

Dell EMC Mainframe Enablers

Version 8.4

Message Guide

REV 09

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PREFACE

As part of an effort to improve its product lines, Dell EMC periodically releases revisions of its software and hardware. Therefore, some functions described in this document might not be supported by all versions of the software or hardware currently in use. The product release notes provide the most up-to-date information about product features.

Contact your Dell EMC representative if a product does not function properly or does not function as described in this document.

Note: This document was accurate at publication time. New versions of this document might be released on the Dell EMC Online Support website. Check the Dell EMC Online Support website to ensure that you are using the latest version of this document.

Audience

This document is intended for the host system administrator, system programmer, or operator who is involved in managing or operating the storage system.

Conventions

Dell EMC uses the following type style conventions in this document:

<i>Italic</i>	Used for: <ul style="list-style-type: none">• Titles of publications referenced in text• Emphasis, for example, a new term
Courier	Used for: <ul style="list-style-type: none">• Command syntax and parameters• System output, such as messages
Courier bold	Used for user input, for example: Reply CONT .
<i>Courier italic</i>	Used for variables in command or parameter syntax and messages, for example: DISPLAY <i>ccuu</i>
<u>Courier underline</u>	Underline indicates the default value, for example: <u>YES</u> NO
< >	Angle brackets enclose variables or explanatory text when it includes multiple words, for example: <list of device numbers>
[]	Square brackets enclose optional values, for example: DISPLAY [DETAIL]
	Vertical bar indicates alternate selections (the bar means “or”), for example: RUN NORUN
{ }	Braces are used together with the vertical bar () to indicate the start and end of alternate selections, for example: {DEV <i>syndv#</i> CUU <i>ccuu</i> }
...	Ellipses indicate nonessential information omitted from the example

Message IDs

This Message Guide lists messages by message ID, grouped by Mainframe Enablers component (such as ResourcePak Base, zDP, and so on).

The last character in the message ID indicates the message type or severity, such as E for errors, W for warnings, or I for informational messages. Messages that can be returned with different severities are listed under either separate message IDs (for example, ABC1234W and ABC1234E), a compound message ID (ABC1234W | ABC1234E), or a single message ID (ABC1234W or ABC1234E) with a corresponding note in the message description.

Note that zDP messages can be returned as either E (error), W (warning) or I (informational) depending on the value set for the MAXRC parameter of the GLOBAL command. For details on how MAXRC influences the message suffix, see the description of the GLOBAL command in the *Mainframe Enablers TimeFinder SnapVX and zDP Product Guide*.

Common variables

Message texts may contain the following variables:

async_srdfgrp

In SRDF/A MSC and SRDF/Star configurations, this is the local SRDF/A SRDF group.

In a cascaded SRDF configuration, this is the remote asynchronous SRDF group.

ccuu

The z/OS device number.

In MSC messages, it is the gatekeeper device specified in the SRDF Host Component MSC_INCLUDE_SESSION initialization parameter for the MSC group indicated in the message.

cnggrp

The name of the consistency group (8 characters).

ddname

The DD statement in the JCL.

dir#

The SRDF link director number, a hexadecimal value x'01' through x'80'.

dsname

The dataset name.

gk

The z/OS device number (CUU) of the gatekeeper device.

emcscf

The name of the SCF started task.

gnsgrp

The GNS group name.

hh:mm:ss

The time in the following format: hours:minutes:seconds.

host

The 4-character host name (SMFID).

host-id

The 16-digit hexadecimal host ID assigned by SCF CSC, as described in the *ResourcePak Base for z/OS Product Guide*.

jobname

The 8-character name of the JCL job.

lpar

The 4-character name of the logical partition (LPAR).

message-text

Variable message text.

mm/dd/yy

The date in the following format: month/day/year.

mscgrp

The MSC group name (defined using the MSC_GROUP_NAME initialization parameter in SRDF Host Component).

poolname

The name of the pool.

port#

The hexadecimal port number.

rc

The return code.

rs

The reason code.

sccuu

The z/OS device number (*ccuu*) with indication of the subchannel set number (*s*).

sg_name

The storage group name.

slo_id

The ID of the service level objective.

slo_name

The name of the service level objective.

smsggrp

The SMS group name.

snapset_name

The name of the zDP snapset.

snapshot_name

The name of the snapshot.

srdfgrp

The SRDF group number (a hexadecimal value in the range x'00' through x'F9').

srp_name

The name of the storage resource pool.

srp_id

The ID of the storage resource pool.

ssid

The 4-character subsystem ID.

stmt#

The statement number.

syndv#

The PowerMax or VMAX device number (6-digit for ResourcePak Base, SRDF Host Component, Consistency Groups, AutoSwap, zDP; 8-digit for TimeFinder).

symname

The name of the storage system assigned though ResourcePak Base.

symms

The last 5 digits of the Dell EMC storage system serial number (ccccc).

symm-serial

The 12-digit Dell EMC storage system serial number separated with a hyphen (cccccc-cccc).

symmserial

The 12-digit Dell EMC storage system serial number listed without a hyphen (cccccccccc).

sync_srdfgrp

A local SRDF group for the synchronous leg in a cascaded SRDF configuration.

tgtst_name

The name of the zDP target set.

vdg_name

The name of the zDP Versioned Data Group.

volser

The volume serial.

v.r.m

The software version, release, and modification level (separated by dots).

vrn

The software version, release, and modification level.

ucbaddr

The UCB address of the device (8 digits).

workload_name

The name of the workload.

MSC messages for Cascaded SRDF

If remote cycle switching is active, SCF messages for MSC contain an additional *sync_srdfgrp* field when running with a cascaded SRDF configuration.

Common Swap Services messages

Message format

Swap services messages are in the following format:

prefyyyz (rrrrr) (PID ppppp) message-text

If messages are routed from a non-owner LPAR to the owner LPAR through the AutoSwap RouteMessageToOwner option, the following format is used:

prefyyyz (>host) (PID ppppp) message-text

Where:

pref

The prefix that identifies the application that is the source of the message, for example, ESWP for AutoSwap, CGRS for Consistency Groups, SCFS for ResourcePak Base, FMMS for z/OS Migrator.

yyy

The message code.

z

The message postfix, such as E for errors and W for warnings.

rrrrr

The request sequence number that identifies the AutoSwap command request on a particular host. This value is incremented each time a new command request is made. All messages associated with the same request on the same host are prefixed by the same request sequence number.

>host

The SMF ID of the host from which the message was routed.

ppppp

A process ID (PID) that is a unique incrementing value for each swap validation or swap process (that is, device pair) for the same swap group definition. This value always follows the request sequence number or host to uniquely identify the messages relating to the same device pair swap within the same swap group.

When a cross-system validation or swap is performed, the same PID is used on all hosts. The PID is set by the AutoSwap owner host when the swap group is created and remain the same for the life of the swap group.

Verbosity

Some messages are only produced when the verbosity level (set with the SET VERBOSE command of AutoSwap) is greater than or equal to the verbosity level of the message. Error messages and most warning messages are always produced no matter what verbosity level is set. Verbosity levels are listed in [Table 1](#).

Table 1 Verbosity levels

Level	Description
0	Messages that are basic summaries of a condition or state. Such messages are initially interesting, but describe a condition that occurs regularly, and thus generates a large number of messages.
1	Messages relating to the initiation and termination of a swap or device validation
2	Messages relating to the initiation of a swap or validation phase
3	Inter-phase informational messages
4	Non-SRDF swap processing informational messages
10	Swap request initiation or termination messages

Variables

The FROM and TO devices can be displayed as *sccuu* or, when the CUU cannot be located, as *symms,symdv#*, with 2 leading digits of the device number suppressed when zero.

In *sccuu*, if the set number *s* is not visible, the set is automatically assumed as the active set number.

seq# is the request sequence number ID. It is assigned when a command request is accepted for processing. All messages related to the command request have the assigned *seq#* in message text.

The *host-id* value is interpreted as follows: *ttccxxxxxxxxxaaaa*, where:

- *tt* is the operating system type. Valid values include:
 - 01 indicates z/OS.
 - ‘--’ indicates that SCF is not active or the host type is unknown. This is only displayed where path groups are defined to a device and an active SCF CSC cannot be located.

- *cc* is the CPU address of LPAR identifier (when in LPAR mode).
- *xxxxxxxx* is the CPU identifier and machine type (model number).
- *aaaa* is the address space identifier (ASID) of SCF on that host. '----' indicates that SCF is not active. This is only displayed where path groups are defined to a device and an active SCF CSC session cannot be located.

Related documentation

To access related documentation, go to the PowerMax and VMAX All Flash Technical Documentation webpage at:

<https://www.dellemc.com/en-us/documentation/vmax-all-flash-family.htm>

The following documents provide information about Mainframe Enablers:

- ◆ *Mainframe Enablers Release Notes*
- ◆ *Mainframe Enablers Installation and Customization Guide*
- ◆ *Mainframe Enablers Message Guide*
- ◆ *ResourcePak Base for z/OS Product Guide*
- ◆ *SRDF Host Component for z/OS Product Guide*
- ◆ *AutoSwap for z/OS Product Guide*
- ◆ *Consistency Groups for z/OS Product Guide*
- ◆ *TimeFinder SnapVX and zDP Product Guide*
- ◆ *TimeFinder/Clone Mainframe Snap Facility Product Guide*
- ◆ *TimeFinder/Mirror for z/OS Product Guide*
- ◆ *TimeFinder Utility for z/OS Product Guide*

The following documents provide additional information:

- ◆ *PowerMax Family Product Guide*—Documents the features and functions of the PowerMax storage systems.
- ◆ *PowerMaxOS for PowerMax and VMAX All Flash Release Notes*—Describes new features and any known limitations.
- ◆ *VMAX All Flash Product Guide*—Documents the features and functions of the VMAX All Flash storage systems.
- ◆ *HYPERMAX OS for VMAX All Flash and VMAX3 Family Release Notes*—Describes new features and any known limitations.
- ◆ *E-Lab Interoperability Navigator (ELN)*—Provides a web-based interoperability and solution search portal. You can find the ELN at <https://elabnavigator.EMC.com>.

Where to get help

Dell Technologies maintains support pages for all products at <https://www.dell.com/support>.

The product support pages provide important product information such as product and user documentation, knowledge base articles, drivers and other software installation packages downloads, advisories, and more.

A valid support contract and registration is required to access all information available on the product support sites.

Your comments

Your suggestions help us continue to improve the accuracy, organization, and overall quality of the user publications. Send your opinions of this document to:

VMAXContentFeedback@emc.com

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CHAPTER 1

ResourcePak Base

CTRK000I

```
Dell EMC CHANGETRACKER COLLECTOR/REPORTER VERSION v.r.m  
INITIALIZING
```

Cause

This is the initial startup message for the ChangeTracker Collector or Reporter and shows the version of ChangeTracker that is running.

Action

None.

CTRK001I

Format 1:

```
CTRKCOLL - SMS GROUPS BEING PROCESSED BY THE COLLECTOR
```

Format 2:

```
CTRKCOLL, SMS_GROUP=msggrp
```

Format 3:

```
SDDF SESSIONS ARE OPEN
```

Cause

Depending on the format:

- Format 1: ChangeTracker Collector starts to process SMS groups.
- Format 2: Indicates the SMS group being processed.
- Format 3: ChangeTracker Collector has opened the SDDF sessions on the selected volumes.

Action

None.

CTRK002E

```
ERROR OPENING SDDF SESSION ON CUU ccuu
```

Cause

ChangeTracker Collector attempted to open an SDDF session on the indicated device and the attempt failed.

Action

See message CTRK003E for more information.

CTRK003E

```
R15=xxxxxxxx, EMCRC=xxxx, EMCRS=xxxx, RCX=xxxxxxxx
```

Cause

This message accompanies message CTRK002E and provides information regarding the SDDF error.

Where:

- R15 is returned from the API.
- EMCRC is the API return code.
- EMCRS is the API reason code.
- RCX is the first four bytes returned from the internal call.

The reasons are as follows:

- 01 - The SDDF facility is not available.
- 02 - The maximum number of SDDF sessions is already in use.
- 04 - Two ChangeTracker Collector tasks were running concurrently. The data is invalid and should not be used.
- 0A - SDDF exists and was resumed.
- 0E - Cannot establish an SDDF session.
- 0F - SDDF session cannot be established on a migration device.
- 10 - The SDDF facility is not available.
- 11 - Unable to open a new session. No sessions available.
- 21 - SDDF open failed due to Dynamic Volume Expansion (DVE).

Action

Correct the problem based on the reason. For any other return code, contact the Dell EMC Customer Support Center.

CTRK004E

```
ERROR GETTING BITMAP FOR CUU ccuu
```

Cause

ChangeTracker Collector issued an SDDF request to obtain the changed tracks for the indicated device and the request failed.

Action

See message CTRK005E for more information.

CTRK004W

```
ERROR GETTING BITMAP FOR CUU ccuu
```

Cause

ChangeTracker Collector issued an SDDF request to obtain the changed tracks for the indicated device and the request failed. Execution continues.

Action

See message CTRK005W for more information.

CTRK005E

```
R15=xxxxxxxx, EMCRC=xxxx, EMCRS=xxxx, RCX=xxxxxxxx
```

Cause

This message follows message CTRK004E and provides information regarding the SDDF error.

Where:

- R15 is returned from the API.
- EMCRC is the API return code.
- EMCRS is the API reason code.
- RCX is the first four bytes returned from the internal call.

The reasons for the return codes (RC) are as follows:

- 01 - The SDDF facility is not available.
- 04 - Two ChangeTracker Collector tasks were running concurrently. The data is invalid and should not be used.
- 05 - Unable to retrieve SDDF bitmap.
- 09 - Device number mismatch.
- 10 - The device is currently being used as an online BCV. Statistics collection is suspended until the device is no longer being used as a BCV. At that time, message CTRK016I indicates the number of cycles that have been skipped.

Action

Correct the problem based on the reason information provided for the return codes.

CTRK005I

Format 1:

```
CTRKSDDF - PRE 5x75 OR 5x77 DEVICE # syndv#. DEFAULTING TO  
MODE=WRITE
```

Format 2:

```
CTRKSDDF - SCF NOT RUNNING
```

Cause

Depending on the format:

- Format 1: The operating environment level for this device is less than 5875 or equal to 5977, so only MODE=WRITE is available. The MODE value is reset to default.
- Format 2: SCF is not running. ChangeTracker Collector requires SCF to run. Start SCF and restart ChangeTracker Collector.

Action

None.

CTRK005W

```
R15=xxxxxxxx, RC=xxxx, RS=xxxx, RCX=xxxxxxxx
```

Cause

This message follows message CTRK004W and provides information regarding the SDDF error.

Where:

- R15 is returned from the API.
- RC is the API return code.
- RS is the API reason code.
- RCX is the first four bytes returned from the internal call.

The reasons are as follows:

- 01 - The SDDF facility is not available.
- 04 - Two ChangeTracker Collector tasks were running concurrently. The data is invalid and should not be used.
- 05 - Unable to retrieve SDDF bitmap.
- 09 - Device number mismatch.
- 10 - The device is currently being used as an online BCV. Statistics collection is suspended until the device is no longer being used as a BCV. At that time, message

CTRK016I indicates the number of cycles that have been skipped.
Execution continues.

Action

Correct the problem based on the reason.

CTRK006E

```
ERROR RESETTING BITMAP FOR CUU ccuu
```

Cause

ChangeTracker Collector issued an SDDF request to reset the SDDF bitmap for the indicated device and the request failed.

Action

See message CTRK007E.

CTRK007E

```
R15=xxxxxxxx, EMCRC=xxxx, EMCRS=xxxx, RCX=xxxxxxxx
```

Cause

This message follows message CTRK006E and provides information regarding the SDDF error.

Where:

- R15 is returned from the API.
- EMCRC is the API return code.
- EMCRS is the API reason code.
- RCX is the first four bytes returned from the internal call.

The reasons are as follows:

- 01 - The SDDF facility is not available.
- 04 - Session tag not found.
- 08 - CRC error.
- 09 - Device number mismatch.
- 0C - Incorrect length.

Action

Correct the problem based on the reason. For any other return code, contact the Dell EMC Customer Support Center.

CTRK008E

```
ERROR OPENING LOG FILE
```

Cause

ChangeTracker Collector attempted to open the Collector dataset and the open request failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

CTRK009E

```
CTRKMAIN HAS ABENDED
```

Cause

ChangeTracker has abended.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

CTRK010I

```
SDDF SESSIONS ARE CLOSED
```

Cause

ChangeTracker Collector is terminating and closing the SDDF sessions it had established.

Action

None.

CTRK011E

```
ERROR CANCELLING SDDF SESSION ON CUU ccuu
```

Cause

While terminating, ChangeTracker Collector attempted to cancel an SDDF session for the indicated device and the request failed.

Action

See message CTRK012E.

CTRK012E

```
R15=xxxxxxxx, EMCRC=xxxx, EMCRS=xxxx, RCX=xxxxxxxx
```

Cause

This message follows message CTRK011E and provides error details.

Where:

- R15 is returned from the API.
- EMCRS is the API reason code.
- EMCRC is the API return code.
- RCX is the first four bytes returned from the internal call.

The reasons are as follows:

- 01 - The SDDF facility is not available.
- 04 - Two ChangeTracker Collector tasks were running concurrently. The data is invalid and should not be used.

Action

Correct the problem based on its reason. For any other return code, contact the Dell EMC Customer Support Center.

CTRK013I

```
CHANGETRACKER IS SHUTTING DOWN
```

Cause

ChangeTracker Collector received a stop request and is proceeding to shutdown.

Action

None.

CTRK014E

```
NO VALID DEVICES WERE DEFINED IN THE CONFIG FILE
```

Cause

ChangeTracker was unable to find any valid device, possibly because all devices are offline. ChangeTracker Collector is terminated.

Action

Correct the CONFIG file, or vary the devices online.

CTRK015I

```
STATISTICS WILL NOT BE COLLECTED FOR THIS DEVICE
```

Cause

The device received error x1710 when attempting to open an SDDF session. The device is online and is currently being used as a BCV. ChangeTracker Collector does not collect statistics for the indicated device during this collection step.

This message is preceded by messages CTRK002E and CTRK003E, which identify the device.

Action

None.

CTRK016I

```
cycle-count CYCLES SKIPPED FOR CUU=ccuu
```

Cause

If ChangeTracker receives error x1710 while reading statistics at the end of a cycle, ChangeTracker issues messages CTRK004E and CTRK005E and continues. When the device becomes available, message CTRK016I indicates how many cycles were skipped for this device.

Action

None.

CTRK018E

```
CHANGETRACKER COLLECTOR ENQ FAILED, RNAME=xxxxxxxxxxxxxxxxxxxxxxxx
```

Cause

Using the MVS ENQ facility, ChangeTracker Collector has detected that another Collector is concurrently running and collecting data for the same MVS volume. The job terminates. The dataset contains no valid data.

RNAME is the resource name (concatenation of the storage system serial number and the PowerMax or VMAX device number).

QNAME is always set to CTRKCOLL.

Action

Do not concurrently execute two or more Collectors that collect data from the same disk volume.

CTRK019I

```
volume-count VOLUMES BEING PROCESSED
```

Cause

This message shows the number of volumes being processed by ChangeTracker.

Action

None.

CTRK020I

```
cycle-count CYCLES WRITTEN TO DISK
```

Cause

This message shows the number of cycles written to disk.

Action

None.

CTRK021I

```
task-count SUBTASK(S) NEEDED FOR device-count DEVICES
```

Cause

This message shows the number of subtasks required to process the indicated number of devices.

Action

None.

CTRK022I

```
PASSWORD VALID for day-count more days.
```

Cause

You are running a temporary version of ChangeTracker which requires a password.

Action

None.

CTRK023I

```
LIMITED TIME
```

Cause

You are running a temporary version of ChangeTracker which requires a password. The password has expired.

Action

A valid password is required to run ChangeTracker.

CTRK024I

Format 1:

```
PARM MUST BE TWO CHARACTERS, 01-99
```

Format 2:

```
PRINTING PASSWORD FOR day-count DAYS
```

Format 3:

```
CTRKPASS mm/dd/yy hh/ss ENTERED
```

Cause

Depending on the format:

- Format 1: The parameter value you specified is invalid. Valid values are from 01 to 99

(2-digit).

- Format 2: Shows how long the password will be valid.
- Format 3: Shows date and time when the password was entered.

Action

Depending on the format:

- Format 1: Correct the value.
- Format 2 and 3: None.

CTRK025I

```
CTRKINIT COMPLETED SUCCESSFULLY MODE=mode
```

Cause

This message is issued when the initialization process completes successfully.

MODE indicates the operation type for which ChangeTracker Collector will collect data:

- W - Write
- R - Read
- RW - Read/Write
- RM - Read-miss

Action

None.

CTRK026I

```
ALL SDDF SESSIONS HAVE BEEN RESET
```

Cause

This message is issued when all SDDF sessions are reset.

Action

None.

CTRK027I

```
FIRST CYCLE SUCCESSFULLY PROCESSED
```

Cause

This message is issued after the first cycle has been processed.

Action

None.

CTRK028I

```
LARGE VOLUMES require SCF upgrade.
```

Cause

The current version of SCF does not support large volumes.

Action

Contact Dell EMC Customer Support and (or) upgrade to SCF 5.5.0 or later.

CTRK029I

```
DEVICE IS BEING USED AS A BCV
```

Cause

ChangeTracker is unable to get changed data because the device is temporarily being used as a BCV volume. Cycles are skipped.

When the device is no longer being used as a BCV, ChangeTracker resumes collecting data for the device. On the first cycle when the device statistics collection resumes, all tracks are flagged as changed because all tracks have changed. This may skew the data.

Action

None.

CTRK030I

```
TEMPORARY timeout error
```

Cause

The device was unable to provide ChangeTracker data for this cycle due to a timeout.

When the timeout error clears, ChangeTracker resumes statistics collection on this device.

Action

None.

CTRK031I

```
REMOTE LINK temporarily down
```

Cause

The link between a local and a remote storage system is temporarily down. This message only occurs when collecting data on a remote device. One or more cycles are skipped.

When the link is reestablished, ChangeTracker resumes statistics collection on this device.

Action

None.

CTRK032I

```
TEMPORARY remote syscall failure
```

Cause

Remote syscall failed. ChangeTracker will retry on the next cycle.

Action

None.

CTRK033I

Format 1:

```
CHGTRKER EXTRACTING VTOCS FOR LOCAL VOLUMES
```

Format 2:

```
CHGTRKER - VTOCS DUMPED
```

Format 3:

```
CTRKCOLL - SCF NOW RUNNING
```

Cause

Depending on the format:

- Format 1: ChangeTracker is starting to extract information about datasets from VTOCs.
- Format 2: ChangeTracker has finished extraction of dataset information from VTOCs.
- Format 3: Indicates that SCF is now running.

Action

None.

CTRK041I

```
CTRKCOLL PROCESSING SDDF SESSIONS
```

Cause

ChangeTracker Collector is processing SDDF sessions.

Action

None.

CTRK042I

```
CTRKCOLL STARTING LOG SWAP
```

Cause

ChangeTracker Collector is starting to process the LOGSWAP command.

Action

None.

CTRK043I

```
CTRKCOLL LOG SWAPPED
```

Cause

The LOGSWAP command has completed normally.

Action

None.

CTRK044W

```
LOGSWAP INACTIVE WHEN CTRKLOG DD DEFINED
```

Cause

The LOGSWAP command was issued; however, the command was not processed because a CTRKLOG DD statement was specified in the ChangeTracker Collector step.

Action

Remove the CTRKLOG DD statement before issuing the LOGSWAP command.

CTRK045E

```
SDDF OPEN FAILED DUE TO DVE
```

Cause

ChangeTracker Collector was running against a device that was in the process of Dynamic Volume Expansion (DVE).

This message is followed by message CTRK002E that shows the CUU, SymmDev# and hop list of the device.

Action

Wait until DVE is completed and rerun ChangeTracker Collector, if specified device is critical to be included in data collection process.

CTRK100E

BAD PARM PASSED TO INIT ROUTINE

Cause

Internal error.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

CTRK101E

NO KEYWORD SPECIFIED - BLANK LINE?

Cause

A line was read from the configuration file and it appears to be a blank line.

Action

Correct the error. Comments may be inserted by beginning the line with an asterisk (*).

CTRK102E

INVALID KEYWORD - *keyword*

Cause

While reading the configuration file, an invalid keyword was encountered.

Action

Find the keyword in question in the configuration file and correct it.

CTRK103E

CONFIG FILE FAILED WITH ERRORS - JOB ABORTED

Cause

An error was found in the configuration file and the task was terminated.

Action

Refer to previous error messages that describe the error.

CTRK104E

CUU *ccuu* WAS PREVIOUSLY DEFINED

Cause

The ChangeTracker configuration file contains a device definition statement (DEVICE_LIST, SMS_GROUP) that adds the indicated device that had been previously defined.

Action

Remove one of the definitions for the indicated device.

CTRK105E

INVALID REPORTS = *option-value*

Cause

A REPORTS keyword statement contains an invalid value. See the *ResourcePak Base for z/OS Product Guide* for information about REPORTS valid values.

Action

Correct the specification and retry.

CTRK106E

```
SCANUCB FAILED FOR CUU ccuu
```

Cause

A DEVICE_LIST statement specified a device *ccuu* that is not a valid device.

Action

Make corrections to device *ccuu* and (or) contact your Systems Programmer for valid devices on your system.

CTRK107E

```
SAI FC01 CALL FAILED FOR CUU=ccuu
```

Cause

A Dell EMC SAI call was issued to the indicated device and it failed.

Action

See message CTRK108E for details.

CTRK108E

```
R15=rrrrrrrr EMCRC/EMCRS=ccccssss
```

Cause

This message provides details for the SAI call error.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

CTRK109E

```
INVALID MICROCODE LEVEL FOR CUU=ccuu
```

Cause

The indicated device has an unsupported operating environment level.

Action

Upgrade the device to Enginuity 5x64 or later.

CTRK110E

```
INVALID HLQ => hlq-value
```

Cause

ChangeTracker Collector encountered an HLQ statement that specified a high level qualifier (HLQ) greater than eight characters. An HLQ must conform to z/OS dataset naming conventions.

Action

Reduce the HLQ to fewer than eight characters.

CTRK111E

```
INVALID PALLOC VALUE => palloc-value
```

Cause

ChangeTracker Collector encountered a PALLOC statement that specified an invalid value.

Action

Correct the PALLOC parameter value. See the *ResourcePak Base for z/OS Product Guide* for information about PALLOC parameter valid values.

CTRK112E

```
INVALID PALLOC VALUE => salloc-value
```

Cause

ChangeTracker Collector encountered a SALLOC statement that specified an invalid value.

Action

Correct the SALLOC parameter value. See the *ResourcePak Base for z/OS Product Guide* for information about SALLOC parameter valid values.

CTRK113E

```
OPEN FOR CONFIG FILE FAILED
```

Cause

The configuration file could not be opened.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

CTRK114E

```
INVALID VOLSER => volser
```

Cause

ChangeTracker Collector encountered a VOLSER keyword with a value larger than six characters. Alternatively, the specified volume did not exist or was offline.

Action

Specify a valid VOLSER value and retry. See the *ResourcePak Base for z/OS Product Guide* for information about VOLSER valid values.

CTRK115E

```
INVALID RA_COUNT => ra-count
```

Cause

ChangeTracker Reporter encountered an RA_COUNT keyword that specified an invalid value.

Action

Specify a valid RA_COUNT value. See the *ResourcePak Base for z/OS Product Guide* for information about RA_COUNT valid values.

CTRK116E

```
INVALID RA_KBS => ra-kbs-value
```

Cause

ChangeTracker Reporter encountered an RA_KBS keyword that specified an invalid value.

Action

Specify a valid RA_KBS value. See the *ResourcePak Base for z/OS Product Guide* for information about RA_KBS parameter valid values.

CTRK117E

```
INVALID RESYNCH_TIME => resynch-time
```

Cause

ChangeTracker Reporter encountered a RESYNCH_TIME keyword that specified an invalid value.

Action

Correct the RESYNCH_TIME value. See the *ResourcePak Base for z/OS Product Guide* for information about RESYNCH_TIME parameter valid values.

CTRK118E

```
INVALID CUU NUMBER => ccuu
```

Cause

The ChangeTracker configuration file contained a DEVICE_LIST statement with an invalid CUU.

Action

Correct the DEVICE_LIST statement.

CTRK119E

```
INVALID SYNTAX AT device-list-string
```

Cause

A DEVICE_LIST statement contained an invalid string.

Action

Correct the DEVICE_LIST parameter value. See the *ResourcePak Base for z/OS Product Guide* for information about DEVICE_LIST parameter syntax.

CTRK120E

```
ccuu1-ccuu2 IS AN INVALID CUU RANGE
```

Cause

A DEVICE_LIST statement contained a device range where the first device *ccuu1* had a value higher than the second device *ccuu2*. When specifying a device range, the first device must be lower than the second.

Action

Change the device range so the first device is a number lower than the second.

CTRK121E

```
INVALID DATE => date-string
```

Cause

A DATE statement contained an invalid value.

Action

Correct the DATE statement value. See the *ResourcePak Base for z/OS Product Guide* for information about DATE parameter syntax.

CTRK122E

```
INVALID TOD => tod-string
```

Cause

A TOD statement contained an invalid value.

Action

Correct the TOD parameter value. See the *ResourcePak Base for z/OS Product Guide* for information about TOD parameter valid values.

CTRK123E

```
SMS REQUEST FOR SMS GROUP smsgrp FAILED TO OBTAIN VOLSERS
```

Cause

While processing the ChangeTracker CONFIG file, an SMS_GROUP statement was encountered. ChangeTracker attempted to obtain the volsers of the devices in the indicated SMS group. The request failed for the reason specified in the accompanying message CTRK124E. The most likely reason is that the indicated SMS group is not defined.

Action

Check with your systems programmer for valid SMS group names.

CTRK124E

```
R15=rrrrrrrr SMSRC=cccccccc SMSRS=ssssssss
```

Cause

Preceded by message CTRK123E, this message contains the reason for the error.

Action

See message CTRK123E.

CTRK126E

```
message-text
```

Cause

Displays invalid syntax (followed by message CTRK101E).

Action

See message CTRK101E.

CTRK127E

```
SCANUCB FAILED FOR VOLSER volser
```

Cause

A DEVICE_LIST statement attempted to find the device number for the indicated volser and the request failed. The device most likely does not exist.

Action

Check that the volser was specified correctly and (or) contact your systems programmer.

CTRK128E

```
INVALID SYM_SERIAL => symm-serial
```

Cause

An invalid value was specified for the SYM_SERIAL keyword.

Action

Correct the SYM_SERIAL value. See the *ResourcePak Base for z/OS Product Guide* for information about SYM_SERIAL valid values.

CTRK129E

```
INVALID CYCLE/MAXCYCLE/INTERVAL => value
```

Cause

An invalid value was specified for the CYCLE, MAXCYCLE, or INTERVAL keyword.

Action

Correct the specified value. See the *ResourcePak Base for z/OS Product Guide* for information about CYCLE, MAXCYCLE, and INTERVAL valid values.

CTRK130E

```
DYNALLOC FOR CTRK FILE FAILED RC=rrrrrrrr RS=ssssssss
```

Cause

ChangeTracker attempted to allocate the dataset specified in message CTRK131E and the request failed. Message CTRK131E provides an explanation of the error. Common errors are duplicate dataset names and not enough space on the volume specified by the VOLSER parameter.

Action

For more information on the error, the return code *rrrrrrrr* and reason code *ssssssss* can be found in the *MVS/ESA Programming: Authorized Assembler Services Guide* (GC28-1467-02).

CTRK131E

```
DSN=dsname
```

Cause

This message follows message CTRK130E and specifies the dataset name that ChangeTracker attempted to allocate.

Action

Note the dataset name.

CTRK132E

```
INTERNAL ERROR -
```

Cause

Internal logic error.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

CTRK133I

```
CHANGETRACKER DSN = Collector-dsname
```

Cause

This message shows the dataset name the ChangeTracker Collector has allocated.

Action

None.

CTRK134I

```
DYNALLOC MSG
```

Cause

Dynamic allocation for log data set failed (non-standard error).

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

CTRK135E

```
DEALLOC FOR CTRK FILE FAILED RC=rrrrrrrr RS=ssssssss
```

Cause

ChangeTracker attempted to deallocate the dataset specified in message CTRK136E and the request failed. Message CTRK136E gives an explanation of the error.

Action

For more information on the error, the return code *rrrrrrrr* and the reason code *ssssssss* can be found in the *MVS/ESA Programming: Authorized Assembler Services Guide* (GC28-1467-02).

CTRK136E

```
DSN=dsname
```

Cause

This message accompanies message CTRK135E and specifies the dataset name ChangeTracker attempted to deallocate.

Action

None.

CTRK137E

```
SAI CNFG CALL FAILED FOR CUU=ccuu
```

Cause

A request to obtain storage system information using the indicated CUU failed. Further details of the error are found in message CTRK138E.

Action

See message CTRK138E.

CTRK138E

```
R15=rrrrrrrr EMCRC/EMCRS=ssssssss
```

Cause

This message provides details for the error specified in the previous message.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

CTRK139E

```
ATTACH FAILED FOR CTRK COMM SUBTASK
```

Cause

The ChangeTracker Collector task initialization failed when trying to attach the communication subtask.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

CTRK140E

```
LOGNUM PARAMETER MUST BE A NUMBER BETWEEN 1 AND 9999
```

Cause

An invalid value was specified for the LOGNUM keyword.

Action

Specify a valid LOGNUM value. See the *ResourcePak Base for z/OS Product Guide* for information about LOGNUM valid values.

CTRK141E

```
DEVICE_LIST AND SYM_SERIAL ARE MUTUALLY EXCLUSIVE
```

Cause

The ChangeTracker Reporter configuration file contained both a SYM_SERIAL keyword and a DEVICE_LIST keyword. The configuration file may contain either, but not both.

Action

Delete one of the keywords from the configuration file.

CTRK142E

```
SMS_GROUP AND SYM_SERIAL ARE MUTUALLY EXCLUSIVE
```

Cause

The ChangeTracker Reporter configuration file contained both a SYM_SERIAL keyword and an SMS_GROUP keyword. The configuration file may contain either, but not both.

Action

See messages CTRK141E and CTRK143E.

CTRK143E

```
SYM_SERIAL CANNOT BE SPECIFIED WITH DEVICE_LIST OR SMS_GROUP
```

Cause

This message follows messages CTRK141E and CTRK142E.

Action

See messages CTRK141E and CTRK142E.

CTRK144E

```
INVALID SYM device -> xxxxxxxx
```

Cause

Invalid volser (e.g. 7 or more characters) or invalid unit (e.g. CUU=348H).

Action

Correct the control statement and resubmit.

CTRK147E

```
INVALID VOLSER MASK => volser-mask
```

Cause

A DEVICE_LIST statement contains a VOLSER wildcard, but there are either too few characters or too many.

Action

Specify a valid volser mask. See the *ResourcePak Base for z/OS Product Guide* for information about valid volser mask syntax.

CTRK148E

```
ERROR rrrr PERFORMING SYSCALL 100 ON CUU ccuu
```

Cause

Internal error.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

CTRK149E

```
SYSCALL 010D NOT SUPPORTED FOR CUU ccuu
```

Cause

Internal error.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

CTRK150E

```
SYSCALL 010E NOT SUPPORTED FOR CUU ccuu
```

Cause

Internal error.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

CTRK151E

SYSCALL 810I NOT SUPPORTED FOR CUU *ccuu*

Cause

Internal error.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

CTRK152E

SYSCALL 810E NOT SUPPORTED FOR CUU *ccuu*

Cause

Internal error.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

CTRK153E

ONLY TWO OF THE THREE FOLLOWING KEYWORDS MAY BE SPECIFIED

Cause

RA_COUNT, RA_KBS, and RESYNCH_TIME were all specified in the ChangeTracker configuration file. Only two of these keywords may be specified. This message is followed by message CTRK155E.

Action

See messages CTRK154E and CTRK155E. Edit the configuration file so that it specifies only two keywords.

CTRK154E

TWO OUT OF THE THREE FOLLOWING KEYWORDS MUST BE SPECIFIED

Cause

RA_COUNT, RA_KBS, and RESYNCH_TIME keywords were incorrectly specified in the ChangeTracker configuration file. There must be at least two of these keywords specified. This message is followed by message CTRK155E.

Action

See the *ResourcePak Base for z/OS Product Guide* for the proper use of these keywords.

CTRK155E

RA_COUNT, RA_KBS, AND RESYNCH_TIME

Cause

This is a continuation for messages CTRK153E and CTRK154E.

Action

See messages CTRK153E and CTRK154E for more details of the error.

CTRK156E

```
CUU ccuu IS NOT AN EMC DEVICE
```

Cause

ChangeTracker is probably not running on a Dell EMC device.

Action

Ensure that you are running ChangeTracker on a Dell EMC device.

CTRK157E

```
CUU ccuu MUST BE ON A SYMM4 OR GREATER
```

Cause

The device is probably on a SYMM3 or earlier.

Action

Ensure that you are running ChangeTracker on a SYMM4 or greater device.

CTRK158E

```
CUU ccuu IS AN FBA device
```

Cause

The specified device is not a CKD device. ChangeTracker does not support FBA devices

Action

Run ChangeTracker on a CKD device.

CTRK159I

```
CUU ccuu is OFFLINE
```

Cause

The indicated device was offline at the start of ChangeTracker Collector operation. ChangeTracker does not collect statistics for this device.

Action

None.

CTRK160I

```
NO VALID DEVICES, RC=8
```

Cause

No acceptable devices found in DEVICE_LIST statements. ChangeTracker Collector terminates.

Action

Correct the DEVICE_LIST statements.

CTRK161W

```
volser DSNLIST ERROR - RC=nnnn, RS=xxxxxxxx
```

Cause

An unknown error occurred while attempting to dump a VTOC on the indicated volser. The VTOC for the specified device is not dumped.

The reason for RC 08 and RS 05 is as follows:

- UCB not found or the VOLSER field of the UCB does not match the VOLSER found on track zero.

Action

If the problem persists, contact Dell EMC Customer Support noting the return code (RC) and reason code (RS).

CTRK162E

```
CUU ccuu IS NOT A RDF DEVICE
```

Cause

The indicated CUU is not an SRDF device. ChangeTracker does not collect remote data for this device.

Action

Correct the CUU and resubmit.

CTRK163E

```
CUU ccuu, BAD SYMDEVICE CALL
```

Cause

The SYMDEVICE macro returned an unexpected error for the indicated CUU. The device is bypassed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

CTRK164I

```
RMT(gk,dev#) SER#=symm-serial, PATH=
```

Cause

A remote device was specified. This message shows the serial number of the remote storage system.

Action

None.

CTRK165E

```
NO DEFAULT RA GROUP FOR DEVICE ccuu
```

Cause

The user requested to collect data on a remote device, but failed to specify an RA group. Since there is no default RA group for the indicated CUUU, the RA group must be specified. The device is bypassed for this run of the ChangeTracker Collector.

Action

Specify an RAGroup number that provides an SRDF path to remote device *ccuu*.

CTRK166E

```
SCF IS NOT RUNNING
```

Cause

Some versions of ChangeTracker Collector require an associated Dell EMC product named SCF (Symmetrix Communications Facility). For those versions, SCF must be running concurrently with ChangeTracker Collector; otherwise, ChangeTracker Collector terminates.

Action

Start SCF before running ChangeTracker Collector, or start a version of ChangeTracker Collector that does not require SCF.

CTRK167W

```
DUPLICATE SER#(symm-serial) AND DEV#(ccuu)
```

Cause

The same device was specified more than once. The duplicate device request is ignored.

Action

None required. Ensure that the DEVICE_LIST requests do not specify the same device.

CTRK168E

```
VOLSER NOT specified for log file
```

Cause

A volume was not specified for the ChangeTracker Collector log dataset.

Action

Specify VOL=*volser* control statement and resubmit.

CTRK169E

```
HLQ NOT SPECIFIED FOR LOG FILE
```

Cause

A high-level dataset qualifier (HLQ) must be specified.

Action

Specify an HLQ and resubmit.

CTRK170E

```
NO REPORT(S) SPECIFIED
```

Cause

A keyword for the report type (SYMMETRIX, VOLUME, or DATASET) should be specified using the REPORTS statement.

Action

Specify the report type and resubmit.

CTRK171E

```
SYM_SERIAL MAY BE SPECIFIED ONLY ONCE
```

Cause

Multiple SYM_SERIAL statements were specified, which is not allowed.

Action

Specify only one SYM_SERIAL statement.

CTRK172I

```
MOD_27 DEVICE ON xxxx BYPASSED
```

Cause

The device type is not supported. Processing continues.

Action

None.

CTRK173W

```
RAID_10 OR MOD_27 DEVICES NOT ALLOWED FOR REMOTE
```

Cause

Remote RAID 1/0 and 3990-27 device type not currently supported. Processing continues.

Action

None.

CTRK174E

```
CCU=ccuu HAS INADEQUATE MICROCODE FOR MULTI-HOP RDF
```

Cause

Enginuity 5x66 and earlier is not supported for remote operations. Processing terminates.

Action

Upgrade to Enginuity 5x67 or a later level of the operating environment. Alternatively, bypass this storage system.

CTRK175E

```
VIRTUAL DEVICE on ccuu bypassed
```

Cause

ChangeTracker Collector does not support storage system's virtual devices.

Action

Remove the virtual device from the control statements and resubmit.

CTRK176I

```
AT LEAST ONE VOLUME ON EMC SYMMETRIX SERIAL symm-serial
```

Cause

ChangeTracker Collector found at least one device on the storage system with the indicated serial number. This message reports each storage system for which at least one ChangeTracker Collector session exists.

Action

None.

CTRK179I

```
INVALID RA GROUP srdfgrp FOR RMT SYMDEV# symdv# GATEKEEPER ccuu
```

Cause

The indicated SRDF group is invalid.

Action

Change the SRDF group to a valid SRDF group for the remote request.

CTRK180I

```
INVALID DEVICE BYPASSED: GK ccuu DEV# syndv# HOPLIST hoplist
```

Cause

The indicated PowerMax or VMAX device number accessed through the indicated gatekeeper with the indicated hoplist does not exist on the system or is invalid. The invalid device is bypassed, execution continues.

Action

None.

CTRK181E

```
RDFGRP IS EMPTY OR DOES NOT EXIST  
RDFGRP(ccuu,srdfgrp)
```

Cause

The indicated SRDF group is empty or does not exist.

Action

Correct the SRDF group specification and retry. If necessary, contact your systems programmer for valid values on your system.

CTRK182I

```
message-text
```

Cause

This message echoes input data from the ChangeTracker CONFIG DD statement.

Action

None.

CTRK201E

```
SORT FAILED RC=rrrrrrrr
```

Cause

ChangeTracker Reporter linked to the installation SORT routine and the sort failed with the indicated return code.

Action

Check for previous messages that may contain more information about the error.

CTRK202E

```
OPEN FAILED FOR DATA FILE RC=rrrrrrrrr
```

Cause

ChangeTracker Reporter attempted to open the ChangeTracker dataset and the open failed. The JCL should have the ChangeTracker dataset(s) allocated to DDNAME SORTIN.

Action

Check for previous messages that may contain more information about the error.

CTRK203E

```
NO SAMPLES IN SPECIFIED RANGE
```

Cause

ChangeTracker Reporter found no records within the range specified or within the date and time specified by the DATE and TOD keywords.

Action

Check that the date and time are specified correctly. Check that the correct ChangeTracker Collector dataset(s) is (are) specified in the JCL. The Collector Summary report shows the time ranges of the data in the ChangeTracker Collector dataset.

CTRK204E

```
NO SAMPLES IN INPUT FILE
```

Cause

The ChangeTracker Collector file contains no data.

Action

Check that the correct dataset is allocated to SORTIN in the JCL. Check that the ChangeTracker Collector ran successfully and check message CTRK133I in the Collector for the proper dataset name.

CTRK205E

```
volser DSNLIST ERROR - RC=rrrr, RS=ssss
```

Cause

Internal error.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

CTRK206E

```
volser DSNXTNT ERROR - RC=rrrr, RS=ssss
```

Cause

Internal error.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

CTRK207E

```
DSN= dsname
```

Cause

Internal error.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

CTRK209E

Format 1:

```
Change Tracker Report - Invalid data
```

Format 2:
RECORD LONGER THAN INRECL

Cause

For format 1: Invalid input data in the ChangeTracker Collector log dataset.
For format 2: Input record is longer than the input buffer size.

Action

Use a valid ChangeTracker Collector log dataset or contact Dell EMC Customer Support.

CTRK209I

Format 1:
BEGIN REPORT (SUMMARY)
Format 2:
BEGIN REPORT BY SYMMETRIX
Format 3:
BEGIN REPORT BY VOLSER
Format 4:
BEGIN REPORT BY DATASET
Format 5:
CTRK_REPT - WRITING I_STATS
Format 6:
CHGTRKER - I_STATS WRITTEN

Cause

Depending on the format:

- Format 1: ChangeTracker Reporter starts to process data for the summary report.
- Format 2: ChangeTracker Reporter starts to process data for the Symmetrix Summary report.
- Format 3: ChangeTracker Reporter starts to process data for the Volume Summary report.
- Format 4: ChangeTracker Reporter starts to process data for the Dataset Summary report.
- Format 5: ChangeTracker Reporter starts writing interval statistics.
- Format 6: ChangeTracker Reporter has finished writing interval statistics.

Action

None.

CTRK209W

BEGIN REPORT BY SYMMETRIX (or VOLSER or DATASET)

Cause

This message indicates that ChangeTracker Reporter is processing data.

Action

None.

CTRK210W

DATA RECORD NOT RECOGNIZED

Cause

ChangeTracker Reporter encountered a record that it did not recognize. The record is ignored.

Action

ChangeTracker Reporter may need to be upgraded to a later version.

CTRK211E

```
START TIME > END
```

Cause

The start time on a TIME control statement is after the END time.

Action

Correct the DATE and (or) TIME statement and resubmit.

CTRK212E

```
INVALID LOG FORMAT
```

Cause

ChangeTracker Collector log has an invalid format for this version of ChangeTracker Reporter.

Action

Check if the version of ChangeTracker Reporter corresponds to the version of ChangeTracker Collector used to create the ChangeTracker Collector log. Process the ChangeTracker Collector log with the same version of ChangeTracker Reporter as the version of ChangeTracker Collector used to create the ChangeTracker Collector log.

CTRK213I

```
SEVERAL INVALID LOG RECORDS WERE SKIPPED, PROCESSING CONTINUES
```

Cause

While processing the ChangeTracker Collector log, ChangeTracker Reporter found a log record that contained wrong extent information (extent is located beyond of volume). The invalid record was skipped and processing continued.

Action

None.

CTRK214I

```
7.6 COLLECTOR LOG IS BEING PROCESSED
```

Cause

ChangeTracker Reporter is processing the ChangeTracker Collector 7.6 log dataset.

Action

None.

CTRK300E

```
INVALID COMMAND
```

Cause

An operator command was issued to ChangeTracker Collector and the command was invalid.

Action

Correct the specification and retry.

CTRK301E

VALID SUBCOMMANDS FOR STOP ARE RETAIN AND PURGE

Cause

A keyword other than “RETAIN” or “PURGE” was specified on the STOP command.

Action

Correct the keyword and retry.

CTRK302E

INVALID DISPLAY COMMAND => *subcommand*

Cause

A DISPLAY command was issued and the DISPLAY subcommand was invalid.

Action

Ensure that the DISPLAY command has valid subcommands. See the descriptions of DISPLAY CYCLE, DISPLAY DEVICE, and DISPLAY LOG in the *ResourcePak Base for z/OS Product Guide* for more information.

CTRK303E

PARAM ERROR - NO PARAMS

Cause

A command which required one or more parameters was issued with no parameters.

Action

Re-enter the command with the proper syntax.

CTRK304E

PARAM ERROR - PARAM TOO LONG

Cause

A command was entered with a parameter that exceeded 16 characters.

Action

Re-enter the command with the proper syntax.

CTRK305E

INVALID CUU NUMBER FOR DISPLAY => *ccuu*

Cause

A DISPLAY DEVICE command was entered with a CUU operand and the CUU was not valid.

Action

Re-enter the command with the proper syntax.

CTRK306E

DEVICE *dev#* IS NOT IN THE CONFIG DEVICE LIST

Cause

A DISPLAY DEVICE command was entered with an operand specifying either a CUU or a volser. The indicated device was not found in the list of devices for which the ChangeTracker Collector is to gather statistics.

Action

Re-enter the command using a device that is in the list of defined devices. See the

description of the DISPLAY DEVICE command in the *ResourcePak Base for z/OS Product Guide* for more information.

CTRK307E

LOGNUM PARAMETER MUST BE A NUMBER BETWEEN 1 AND 9999

Cause

A LOGNUM statement was specified with an invalid value.

Action

Specify an integer between 1 and 9999.

CTRK308E

INVALID PARAMETER FOR VOLSER

Cause

The operator command to change the volser of the log dataset was invalid.

Action

Specify a valid volser for the log dataset and re-issue the command.

CTRK309E

XXXX-XXXX IS AN INVALID DEV RANGE

Cause

This message is issued when the user inputs an invalid VMAX device range into the DEVICE_LIST parameter field. This message indicates that the user specified a starting VMAX device number that is greater than the ending VMAX device number. This message is for versions 7.3 and 7.4 of Dell EMC ChangeTracker.

Action

Change the VMAX device range in the DEVICE_LIST parameter and try again.

CTRK310I

COMMAND COMPLETED

Cause

The command has completed successfully.

Action

None.

CTRK311E

INSUFFICIENT STORAGE TO ALLOCATE xxxxxxxx

Cause

Insufficient private storage was available for processing.

Action

Increase the region size of the ChangeTracker address space.

CTRK312E

SCFG ERROR. RC=xxxxxxx RS=xxxxxxx

Cause

An error was detected while attempting to access GNS (Group Name Services). The return code and reason code is displayed.

Action

Consult GNS reason code documentation to interpret the return code and reason code. Correct the error and restart ChangeTracker.

CTRK313E

```
GROUP NAME SERVICES NOT ACTIVE
```

Cause

Group Name Services (GNS) is not active. GNS is required for ChangeTracker to function. The SCF.GNS.ACTIVE parameter in the SCF ini file is not set to YES or you are running a version of ResourcePak Base that does not support GNS.

Action

Start GNS and retry.

CTRK314E

```
SCFG NAME IS INVALID => gnsgrp
```

Cause

A GNS group with an invalid name or a missing group was encountered while processing the configuration file.

Action

Correct the GNS group name that is in error or, if group is missing, add the group with the EMCGROUP utility (as described in the *ResourcePak Base for z/OS Product Guide*) and then restart ChangeTracker.

DCOMP00I

```
NUMDEV IS TOO LARGE, SET TO 32
```

Cause

The NUMDEV parameter specified a value greater than 32. The number is reduced to 32.

Action

None.

DCOMP01E

```
INVALID PARM STRING STARTING AT CHARACTER: n
```

Cause

An invalid input parameter was specified.

Action

Correct the parameter.

DCOMP02E

```
INVALID cuu2 FIELD
```

Cause

An invalid input parameter was specified.

Action

Correct the parameter.

DCOMP02I

```
cuu, n DEVICE PAIRS. y PAIRS EQUAL
```

Cause

Provides the status of the compare processing.

Action

None.

DCOMP03E

```
TEMP PARM AREA INVALID: n
```

Cause

Internal logic error.

Action

None.

DCOMP04E

```
VOL1 UCB ADDRESS NOT FOUND
```

Cause

The UCB for the specified volser was not found.

Action

Specify a valid volser.

DCOMP04I

```
NUMBER OF DEVICE COMPARES = n
```

Cause

Indicates the number of devices compared in the operation.

Action

None.

DCOMP05E

```
VOL2 UCB ADDRESS NOT FOUND
```

Cause

The UCB for the specified volser was not found.

Action

Specify a valid volser.

DCOMP20E

```
INPUT PARM INVALID STARTING AT: n
```

Cause

The input parameter string is invalid.

Action

Correct the parameter.

DCOMP21E

```
cuu1 OR cuu2 FAILED CHAR TO HEX CONVERSION
```

Cause

The specified cuu has an invalid character(s).

Action

Correct the cuu.

DCOMP22E

```
ERROR: UCB AT CUU=ccuu NOT FOUND
```

Cause

The UCB for the specified CUU was not found.

Action

Specify a valid device address.

DCOMP23I

```
(cuu1-cuu2) 3880/03 RETRY IN EFFECT
```

Cause

Devices from *cuu1* to *cuu2* contained on a 3880 storage system. Additional recovery is provided on a unit check.

Action

None.

DCOMP24I

```
COMPARE cyl-count CYLS ON device-string. SAMPLE RATE is rate
```

Cause

Indicates the number of cylinders to be checked on the devices. Where:

- *cyl-count* is the cylinder skip count.
- *device-string* can be one of the following:
 - *cuu1* TO *cuu2* - for local to local device comparison
 - *cuu1* TO RMT(*cuu2*) - for local to remote device comparison
 - RMT(*cuu1*) TO RMT(*cuu2*) - for remote to remote device comparison

Action

None.

DCOMP25E

```
CSW AND/OR SENSE NOT EQUAL, CCHH ccccccc/h
```

Cause

The device status, subchannel status, and byte count in the CSW are not equal for the I/Os on the specified track. This is considered an error, as the status must be equal before the tracks are compared.

Action

See following message DCOMP26E that provides details of the error.

DCOMP26E

```
CUU1 cuu1 status1 sensebytes1 // CUU2 cuu2 status2 sensebytes2
```

Cause

This message follows message DCOMP25E to provide details of the error.

Where:

- *cuu1* specifies the first device.
- *status1* lists the device status, subchannel status, and byte count in the CSW for *cuu1*.
- *sensebytes1* shows the first two bytes of sense data for *cuu1*.
- *cuu2* specifies the first device.
- *status2* lists the device status, subchannel status, and byte count in the CSW for *cuu2*.
- *sensebytes2* shows the first two bytes of sense data for *cuu2*.

Action

None.

DCOMP27E

```
TRACK MISMATCH AT CCHH ccccccc/hh
```

Cause

The two tracks being compared do not match.

Action

See messages DCOMP28E through DCOMP31E that are issued together with this message.

DCOMP28E

```
cuu1 BAD-DATA EXP: HA=home-addr, R0=record, TRK SIZE=size,
OFFSET=offset
```

Cause

This message is issued in combination with message DCOMP27E.

Where:

- *cuu1* specifies the device.
- *home-addr* is the home address for *cuu1*.
- *record* is the record for *cuu1*.
- *size* is the track size in bytes.
- *offset* is the offset from the beginning of the five-byte home address of the first data miscompare on the track for *cuu1*.

Action

None.

DCOMP29E

```
cuu2 BAD-DATA EXP: HA=home-addr, R0=record, TRK SIZE=size,
OFFSET=offset
```

Cause

This message is issued in combination with messages DCOMP27E and DCOMP28E.

Where:

- *cuu2* specifies the device.
- *home-addr* is the home address for *cuu2*.

- *record* is the record for *cuu1*.
- *size* is the track size in bytes.
- *offset* is the offset from the beginning of the five-byte home address of the first data miscompare on the track for *cuu2*.

Action

None.

DCOMP30E

```
TRK1 @ OFFSET: offset
```

Cause

Issued with message DCOMP28E indicating a track was not the same on both devices. This message shows the track information on the CUU1 device at the offset of the first data miscompare. The offset is calculated from the start of the 5-byte home address.

Action

None.

DCOMP31E

```
TRK2 @ OFFSET: offset
```

Cause

Issued with message DCOMP28E indicating a track was not the same on both devices. This message shows the track information on the CUU2 device at the offset of the first data miscompare. The offset is calculated from the start of the 5-byte home address.

Action

None.

DCOMP32I

```
DEVICE cuu1 AND cuu2 ARE EQUAL
```

Cause

Indicates that the specified devices are equal.

Action

None.

DCOMP33I

```
cuu1 WORKING ON CCHH ccccccc/hh (/200 CYLS|/120 SECS)
```

Cause

This message is issued every 200 cylinders or 120 seconds to show the progress of the device compare.

Action

None.

DCOMP34W

```
cuu1 ERROR ON TRACK track. WILL SKIP TRACK
```

Cause

Error conditions were encountered while reading the track. The track was skipped. Processing continued.

Action

Determine the reason for the I/O failure on the device.

DCOMP35E

```
VOLSER=volser NOT FOUND OR DEVICE IS OFFLINE
```

Cause

The volume specified was not found.

Action

Vary the volser online or specify a CUU.

DCOMP36E

```
BAD SYMDEVICE CALL FOR CUU=ccuu, RC=xxxx, RS=yyyy
```

Cause

Disk Compare was unable to access the device.

Action

Ensure that the device is accessible.

DCOMP37E

```
UCB NOT FOUND FOR ccuu
```

Cause

The SCANUCB subroutine failed to find the UCB for the CUU.

Action

Specify a valid CUU.

DCOMP38E

```
NO DEFAULT RA GROUP FOR CUU ccuu
```

Cause

A remote compare was requested, but no remote routing was specified and the device does not have a default remote routing.

Action

Explicitly specify the remote routing to access the device.

DCOMP39E

```
SCF IS NOT ACTIVE
```

Cause

SCF (Symmetrix Control Facility) is not active.

Action

Start SCF.

DCOMP41E

```
BAD FC01 CALL FOR ccuu, R15=xxxxxxxx, R0=yyyyyyyy
```

Cause

An attempt to access the remote device failed.

Action

Check the control statement and (or) activate the link to the remote device.

DCOMP42I

```
DEVICE cuu1 AND cuu2 ARE BEING UPDATED, BUT STILL COMPARE
```

Cause

A track from each device failed to compare equally. When this happens, it is possible that the device or devices are being updated simultaneously. Disk Compare re-reads miscompared tracks up to three times.

Action

None.

DCOMP44E

```
I/O ERROR, CUU=ccuu, IOBRC=iobrc
```

Cause

An I/O error occurred. IOBRC is the IOBRC field.

Action

None.

DCOMP45E

```
ERROR - DEVICE NOT READY
```

Cause

The device is not ready.

Action

Make the device ready. Specify a valid volser for the log file and reissue the command to Disk Compare.

DCOMP48I

```
DISK COMPARE STARTING ON CCHH=cccccccc
```

Cause

The number of the first cylinder to be compared.

Action

None.

DCOMP51E

```
JOB ENDED WITH ERRORS
```

Cause

The job encountered one or more errors while processing.

Action

Correct the error(s) and resubmit the job.

DCOMP81E

```
JOB ENDED WITH ERRORS [SYSTEM_CODE=,W_ABEND]
```

Cause

The job encountered one or more errors while processing.

Action

Correct the error(s) and resubmit.

DCOMP87E

```
EDCX$RMT ERROR : R15=xxxxxxxx, R0=yyyyyyyyy
```

Cause

This message is only issued if the EDCX\$RMT subroutine does not return one of its messages.

Disk Compare calls a subroutine, EDCX\$RMT, to read the data from a remote device. The EDCX\$RMT subroutine had an I/O error:

- R15=00000004 - Warning
- R15=00000008 - Error
- R0= (see below).

All EDCX\$RMT error codes are listed here, although many are not obtainable from Disk Compare.

- 01 UCB FAILED VALIDATION
- 02 DEVICE IS NOT AN R1
- 03 SYSCALL 157 NOT SUPPORTED
- 04 TARGET NOT READY
- 05 CCHH IS INVALID
- 09 READ R2 DATA FAILED (SYSCALL 157)
- 0A SYSCALL 100 FAILED
- 0B SAICALL FAILED
- 0C DATA BUFFER ADDRESS IS INVALID
- 0D Failed to acquire storage
- 0E PARMLIST INVALID
- 0F DEVICE TYPE UNKNOWN
- 1F SAICALL failed for RMT R2
- 10 CCHH MISMATCH IN COUNT FIELD
- 11 TRKCALC FAILED
- 12 END OF EXTENT
- 15 SAICALL failed for RMT R21/R2
- 23 CRC SYSCALL TIMEOUT, PLEASE RETRY
- 102 Bad mirror
- 103 Bad Mirror
- 104 (or higher) Syscall error

Action

Check the remote link. If no errors are found, contact the Dell EMC Customer Support Center.

DCOMP88E

```
INVALID SOURCE AND TARGET SPECIFIED FOR COMPARE CUU1 IS RMT WHILE  
CUU2 IS LCL
```

Cause

A remote source device and a local target device were specified. This is not allowed.

Action

Make CUU1 the local device and CUU2 the remote device.

DCOMP89E

```
MISMATCH AT [HOST REPLICATED] RECORD NUMBER nnnnnnnn ON CYLINDER
ccccccc TRACK hh
```

Cause

This message is issued for the source device, CUU1, when a CRC record mismatch is found.

[HOST REPLICATED] indicates that the record was written by host replication software such as Mirror Optimizer or zHyperWrite.

Action

None.

DCOMP90E

```
MISMATCH AT [HOST REPLICATED] RECORD NUMBER nnnnnnnn ON CYLINDER
ccccccc TRACK hh
```

Cause

This message is issued for the target device, CUU2, when a CRC record mismatch is found.

[HOST REPLICATED] indicates that the record was written from host replication software such as Mirror Optimizer or zHyperWrite.

Action

None.

DCOMP91E

```
FAILED TO OBTAIN VTOC INFORMATION
```

Cause

Disk Compare is unable to obtain the VTOC information from the device.

Action

Check VTOC information on the specified device.

DCOMP92E

```
FAILED TO OBTAIN CRC VALUES
```

Cause

Disk Compare has found a mismatch but is unable to obtain the CRCs to display the exact record which failed to compare.

Action

None.

DCOMP93I

```
Thin device was found, CYLSKIP switched to ALLOC
```

Cause

A thin device on the remote site was found at the Disk Compare parameters list, so the CYLSKIP parameter was switched to the ALLOC value to bypass compare tracks that are not allocated.

Action

None.

DCOMP99I

UNKNOWN DSCB TYPE=*dcbtype* IGNORED**Cause**

Disk Compare has found an unknown DSCB block type *dcbtype* in VTOC on the device. Disk Compare reads VTOC on the device when the ALLOC parameter is specified. When *dcbtype* is missing in the message, it means that the device is inaccessible (NotReady, for example).

Invalid data is ignored, execution continues.

Action

None.

ECNTL00E

*message-text***Cause**

An internal error occurred during gatekeeper selection.

Action

Contact Dell EMC Customer Support if the problem persists.

ECNTL01E

No valid paths to controller *symmserial* found**Cause**

No functional paths (that is, local gatekeeper devices or remote paths through another storage system) were found to the indicated storage system.

Action

Correct the state of the gatekeeper devices for the indicated storage system, or select different gatekeeper devices for the storage system. Issuing MVS commands DS QD and DS P for the inaccessible devices may provide more information as to what is the problem.

ECNTL02E

Gatekeeper device is not accessible - CUU *ccuu*, UCB@ *ucb-address*, RS *reason-code* (*reason-text*)

Cause

The indicated gatekeeper device is not accessible. The device was found to be in an invalid state.

Reason codes are as follows:

- 1 - UCBID specifies a non-standard ID
- 2 - UCFLA specifies an invalid state
- 3 - UCFLB specifies an invalid state
- 4 - UCBMIHTI specifies an invalid state
- 5 - UCBHOTIO specifies an invalid state
- 6 - UCBMIHFG specifies an invalid state
- 7 - UCBMIHFG specifies an invalid state
- 8 - UCBLPM specifies an invalid state
- 9 - UCB not found
- 10 - UCB not valid
- 11 - UCB prefix not found

20 - I/O error occurred
32 - No paths
72 - I/O timeout occurred
99 - API error occurred

Action

Correct the state of the device, or select a different gatekeeper device, if necessary. Issuing MVS commands DS QD and DS P for the inaccessible device may provide more information as to what is the problem.

ECNTL03E

```
api-function API call failed R15 emcsai-rc, RC emcrc, RS emcrs,  
RCX emcrcx, CUU ccuu, UCB@ ucb-address, Hoplist hoplist
```

Cause

The indicated SymmAPI call failed during gatekeeper selection. Diagnostic information is provided for Dell EMC use.

Action

Contact Dell EMC Customer Support if the problem persists.

ECNTL04E

```
SCF gatekeeper request failed - RC return-code, RS reason-code  
(reason-text)
```

Cause

Gatekeeper selection failed because gatekeepers could not be obtained from SCF.

Reason codes are as follows:

85 - Request timed out
86 - SCFDEVIC is not active
88 - ALESERV ADD error ale-serv-rc
89 - Data not found
92 - Data not found
94 - SCF has not completed init
95 - SCF is not active
96 - Internal error
97 - Error releasing lock
98 - SCF has not completed init
99 - Abend *abend-code* occurred

Action

Ensure SCF is active and initialized. Verify that your JCL includes the correct SCF\$*nnnn* DD DUMMY statement, where *nnnn* is the SCF subsystem name.

ECNTL05E

```
SCF is not active
```

Cause

SCF is not running, or the SCF\$*nnnn* DD DUMMY statement in the JCL does not specify the correct SCF subsystem name.

Action

Start SCF, or correct the SCF\$*nnnn* DD DUMMY statement in the JCL (where *nnnn* is the SCF subsystem name), and retry.

The default SCF subsystem name is 'EMC', in which case the SCF\$*nnnn* DD DUMMY statement is optional.

ECNTL10I

Waiting for SCF to complete device discovery

Cause

Gatekeeper selection is waiting for SCF device discovery to complete in order to obtain the list of available gatekeepers from SCF. Processing continues when SCF device discovery is complete.

Action

None. You can use the SCF DEV,STATUS command to query the progress of SCF device discovery.

EDYNA00E

message-text

Cause

An internal error occurred during dynamic allocation.

Action

Contact Dell EMC Customer Support if the problem persists.

EDYNA01I

dd-name allocated as *dd-parms*

Cause

The specified DD name was dynamically allocated using the parameters indicated. The parameters are shown in the same format that would be specified on a DD statement in JCL.

Action

To avoid this message, add the specified DD to the JCL using the parameters indicated, if appropriate.

EDYNA10E

DYNALLOC for *dd-statement* failed with RC *return-code* RS *reason-code*

Cause

Dynamic allocation failed for the specified DD.

Action

See the DYNALLOC return and reason codes in the z/OS MVS Programming: Authorized Assembler Services Guide.

EDYNA11E

DAIRFAIL failed with RC *return-code*

Cause

Error code analysis for dynamic allocation failed.

Action

See the DAIRFAIL return and reason codes in the z/OS TSO/E Programming Services Guide.

EGRP001S

```
OUTPUT LISTING DD STATEMENT (nn) MISSING
```

Cause

The (nn) SYSPRINT or REPORT DD statements are missing.

Action

Update the JCL with the //SYSPRINT DD and (or) the //REPORT DD statements.

EGRP010I

```
PARSE COMPLETE FOR STATEMENT #
```

Cause

The GNS statements have begun syntax checking.

Action

Ensure the syntax parsed properly.

EGRP020I

```
BEGIN EXECUTING STATEMENT #
```

Cause

The GNS statement is being executed.

Action

None.

EGRP021I

```
PROCESSING ENDED FOR STATEMENT #
```

Cause

The GNS statement has been processed.

Action

Check the return and reason code for the disposition of the group. See GNS reason codes in the *ResourcePak Base for z/OS Product Guide*.

EGRP032E

```
GROUP NAME FOR SARPOOL IS LIMITED TO 55 CHARACTERS
```

Cause

The group name specified for the SARPOOL option exceeds 55 characters.

Action

Reduce the group name to 55 characters.

EGRP034E

```
SARPOOL does not support RDF GROUP syntax.
```

Cause

The SARPOOL definition contains unsupported syntax.

Action

Correct the syntax and resubmit.

EGRP035E

```
YOU MAY NOT SPECIFY GROUP ATTRIBUTES SUCH AS STATIC/DYNAMIC WHEN
```

```
EXTEND IS SPECIFIED
```

Cause

The STATIC or DYNAMIC group attribute cannot be specified when EXTEND is used.

Action

Correct the statement.

EGRP036E

```
ENTERPRISE groups must always be STATIC.
```

Cause

A GNS DEFINE ENTERPRISE GROUP command was used with the DYNAMIC parameter. By definition, enterprise groups may not be dynamic. Therefore, the syntax has been considered as incorrect and the input data stream has not been executed.

Action

Correct and reissue the command.

EGRP037E

```
Gold Copy BCV Groups do not support RDF GROUP syntax
```

Cause

A GNS DEFINE GROUP FOR GCOPYBCV command was issued that contained RDF GROUP syntax, which is not allowed. Gold Copy BCV groups may not contain SRDF groups. The command failed and return code 8 has been set.

Action

Correct and reissue the command.

EGRP061E

```
INCLUDE SYMMDEV# RANGE ERROR, VALUE value1 SHOULD BE GREATER THAN  
VALUE value2
```

Cause

A PowerMax or VMAX device range was specified incorrectly: *value1* should be greater than *value2*.

Action

Correct and retry.

EGRP080E

```
SMS STORAGE GROUP NAME IS INVALID
```

Cause

The specified SMS name cannot be found.

Action

Review the SMS name and update the JCL with a valid SMS-aligned storage group name.

EGRP090I

Format 1:

```
DEFINE OF [ENTERPRISE] GROUP gnsgrp
```

Format 2:

```
REMOVE FROM GROUP gnsgrp
```

Cause

For format 1, the indicated group will be defined, depending on the return and reason code (listed in the *ResourcePak Base for z/OS Product Guide*). For format 2, the specified message will be removed from the indicated group.

Action

None.

EGRP100I

```
DELETE OF GROUP gnsgrp
```

Cause

The indicated enterprise group will be deleted, depending on the return and reason code (listed in the *ResourcePak Base for z/OS Product Guide*).

Action

None.

EGRP110I

```
RENAME OF GROUP oldname TO newname
```

Cause

A rename group command was requested.

Action

None.

EGRP120I

```
DISPLAY OF GROUP
```

or

```
LIST GROUP
```

Cause

The GNS DISPLAY GROUP or LIST GROUP command was requested.

Action

Review the REPORT DD for the group information.

EGRP130I

```
DEFINE COMPLEMENT gnsgrp
```

Cause

No SRDF devices are associated with the group you are trying to complement.

Action

Specify a valid group. See GNS reason codes in the *ResourcePak Base for z/OS Product Guide*.

EGRP588E

```
Symmetrix API call failed for device ccuu (function/r15/rc/rs/rcx)
```

Cause

A GNS batch command was issued, and a Symmetrix API error occurred for the specified device. If the command failed or ended with a warning, a subsequent message will indicate the reason.

The information in parenthesis is for Dell EMC use and identifies the Symmetrix API function, register 15 upon return from the API, and the EMCRC, EMCRS, and EMCRCX

codes, respectively.

Action

Ensure the device indicated in the message is accessible. If there is a problem with the device, correct the problem and reissue the command. If the device is inaccessible, issuing MVS commands DS QD and DS P for that device may provide more information as to what is the problem. If the device is accessible and the problem persists, contact Dell EMC Customer Support.

EGRP632E

```
No paths to device ccuu
```

Cause

While trying to add the indicated device to a GNS group (using the CUU or VOLSER keyword on the DEFINE GROUP, DEFINE ENTERPRISE GROUP, or DEFINE GROUP FOR GCOPYBCV command), the device was found inaccessible.

Action

Correct the state of the indicated device, or select a different device, and retry. Issuing MVS commands DS QD and DS P for the inaccessible device may provide more information as to what is the problem.

EGRP723E

```
Device ccuu is not accessible - reason code reason-code (reason-text)
```

Cause

A GNS batch command was issued, but the indicated device is not accessible. The device was found to be in an invalid state. If the command failed or ended with a warning, a subsequent message will indicate the reason.

Possible reason codes are as follows:

- 01 - UCBIID specifies a non-standard ID
- 02 - UCFLA specifies an invalid state
- 03 - UCFLB specifies an invalid state
- 04 - UCBIHTI specifies an invalid state
- 05 - UCBHOTIO specifies an invalid state
- 06 - UCBIHFG specifies an invalid state
- 07 - UCBIHFG specifies an invalid state
- 08 - UCBLPM specifies an invalid state

Action

Correct the state of the device, or select a different device, and reissue the command. Issuing MVS commands DS QD and DS P for the inaccessible device may provide more information as to what is the problem.

EMCP001I

```
input-data
```

Cause

Echoes the input data stream.

Action

None.

EMCP002E

```
INTERNAL ERROR, PARSER REQUIRES 6 PARAMETERS
```

Cause

The parser has been invoked with the wrong number of parameters.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCP010E

```
*
```

Cause

The previous input data had an error. This message identifies where in the input data the error occurred.

Action

Correct the error indicated.

EMCP011E

```
LITERAL EXPECTED; FOUND: value
```

Cause

While parsing the input data stream, a syntax error was detected. A literal string was expected but not found.

Action

Correct the input data stream and supply the literal value.

EMCP012E

```
IDENTIFIER EXPECTED; FOUND: value
```

Cause

While parsing the input data stream, a syntax error was detected. An identifier was expected but not found.

Action

Correct the input data stream and supply the identifier.

EMCP013E

```
INVALID COMMAND WORDING; FOUND: value
```

Cause

While parsing the input data stream, a syntax error was detected. A keyword was expected but not found.

Action

Correct the input data stream and specify a valid keyword for the command.

EMCP014E

```
COMMAND NOT RECOGNIZED; FOUND: value
```

Cause

While parsing the input data stream, a syntax error was detected. The first word in the command must be a recognizable command.

Action

Correct the input data stream and specify a valid command.

EMCP015E

```
LEFT PAREN EXPECTED; FOUND: value
```

Cause

While parsing the input data stream, a syntax error was detected. A left parenthesis is expected to follow a keyword, surrounding the keyword value.

Action

Correct the input data stream and enclose the keyword value in parenthesis.

EMCP016E

```
RIGHT PAREN EXPECTED; FOUND: value
```

Cause

While parsing the input data stream, a syntax error was detected. A right parenthesis is expected to terminate a value being specified for a keyword.

Action

Correct the input data stream and enclose the keyword value in parenthesis.

EMCP017E

```
NUMBER EXPECTED; FOUND: value
```

Cause

While parsing the input data stream, a syntax error was detected. A numeric value is expected, but not found.

Action

Correct the input data stream and specify a valid numeric value for the keyword.

EMCP018E

```
EQUAL EXPECTED; FOUND: value
```

Cause

While parsing the input data stream, a syntax error was detected. An equal sign was expected, but not found.

Action

Correct the input data stream and specify a valid value for the keyword.

EMCP019E

```
REQUIRED PARAMETER MISSING; FOUND: value
```

Cause

While parsing the input data stream, a syntax error was detected. A required parameter was expected, but not found.

Action

Correct the input data stream and specify the required parameter for the keyword.

EMCP020E

```
EXTRANEIOUS DATA IN COMMAND; FOUND: value
```

Cause

While parsing the input data stream, a syntax error was detected and extraneous data was found.

Action

Correct the input data stream.

EMCP021E

```
COMMA EXPECTED; FOUND: value
```

Cause

While parsing the input data stream, a syntax error was detected. A comma was expected, but not found.

Action

Correct the input data stream.

EMCP022E

```
PERIOD EXPECTED; FOUND: value
```

Cause

While parsing the input data stream, a syntax error was detected. A period '.' was expected, but not found.

Action

Correct the input data stream.

EMCP023E

```
DASH EXPECTED; FOUND: value
```

Cause

While parsing the input data stream, a syntax error was detected. A dash '-' was expected, but not found.

Action

Correct the input data stream.

EMCP024E

```
MINUS EXPECTED; FOUND: value
```

Cause

While parsing the input data stream, a syntax error was detected. A minus '-' was expected, but not found.

Action

Correct the input data stream.

EMCP025E

```
PERCENT EXPECTED; FOUND: value
```

Cause

While parsing the input data stream, a syntax error was detected. A percent '%' was expected, but not found.

Action

Correct the input data stream.

EMCP026E

PLUS EXPECTED; FOUND: *value*

Cause

While parsing the input data stream, a syntax error was detected. A plus '+' was expected, but not found.

Action

Correct the input data stream.

EMCP027E

SEMICOLON EXPECTED; FOUND: *value*

Cause

While parsing the input data stream, a syntax error was detected. A semicolon ';' was expected, but not found.

Action

Correct the input data stream.

EMCP028E

FORWARD SLASH EXPECTED; FOUND: *value*

Cause

While parsing the input data stream, a syntax error was detected. A forward slash '/' was expected, but not found.

Action

Correct the input data stream.

EMCP029E

NO LONGER SUPPORTED; FOUND: *value*

Cause

While parsing the input data stream, a syntax error was detected. A value was specified that is no longer supported at the current Mainframe Enablers level.

Action

Correct the input data stream.

EMCP031E

ERROR OCCURRED READING FROM INPUT FILE

Cause

An I/O error occurred while reading the input file.

Action

Correct the input file and submit again.

EMCP032E

ENDING QUOTE NOT FOUND ON INPUT LINE

Cause

A quoted literal string was encountered, but the ending quote was not found.

Action

Ensure that the entire quoted literal string is on the same input line.

EMCP033E

```
SKIPPING TO END OF COMMAND
```

Cause

A syntax error was detected and the rest of the input command is flushed.

Action

Correct the syntax error.

EMCP034E

```
FIELD IS TOO LARGE, IT SHOULD NOT EXCEED count CHARACTERS
```

Cause

A literal or identifier is larger than allowed. For instance, if a unit name was specified, it may not exceed 8 characters. If a dataset name was specified, it may not exceed 44 characters.

Action

Correct the literal or identifier value.

EMCP035E

```
FIELD VALUE HAS ALREADY BEEN SPECIFIED: field
```

Cause

The value for a field has already been specified for this command.

Action

Remove the duplicate value.

EMCP036E

```
INTERNAL ERROR: PERFORM DEPTH OVERFLOW
```

Cause

This is an internal error, indicating that the parser is not able to handle the input command.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCP037E

```
INTERNAL ERROR: PERFORM DEPTH UNDERFLOW
```

Cause

This is an internal error, indicating that the parser is not able to handle the input command.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCP038E

NUMERIC VALUE IS TOO SMALL, IT SHOULD NOT BE LESS THAN *value*

Cause

A numeric value has been parsed, and it is not within a valid range for the associated keyword.

Action

Correct the numeric value.

EMCP039E

NUMERIC VALUE IS TOO LARGE, IT SHOULD NOT EXCEED *value*

Cause

A numeric value has been parsed, and it is not within a valid range for the associated keyword.

Action

Correct the numeric value.

EMCP040E

FIELD OCCURRENCE EXCEEDS MAXIMUM OF *number* OCCURRENCES

Cause

Too many individual values have been specified for a keyword. For instance, you can only specify 60 volumes for the VOLUME parameter.

Action

Correct the number of individual values to be within the proper limits.

EMCP041E

HEX VALUE IS TOO SMALL, IT SHOULD NOT BE LESS THAN *value*

Cause

A hex value was found and the valid was too small.

Action

Correct the hex value to within the appropriate limits.

EMCP042E

HEX VALUE IS TOO LARGE, IT SHOULD NOT EXCEED *value*

Cause

A hex value was found that exceeds the valid range limits.

Action

Correct the hex value to within the appropriate limits.

EMCU001I

GPM command complete

Cause

A pool management display or query request was successfully processed. Return code 0 is set.

Action

None.

EMCU002I

```
GPM command successful
```

Cause

A pool or storage group management action was successfully processed. Return code 0 is set.

Action

None.

EMCU003E

```
GPM command failed
```

Cause

A pool management action was unsuccessful. This is a summary message; one or more previous error messages indicate the reasons for the failure. Return code 8 is set.

Action

Correct the problems indicated by the error messages and reissue the command.

EMCU004W

```
No eligible devices found
```

Cause

A pool or storage group management device action was requested. However, during validation, all devices in the specified range were found to be ineligible. Consequently, command processing was terminated after the validation phase. One or more previous device list messages indicate, for each device in the specified range, the reason it was found to be ineligible. Return code 4 is set.

Action

Examine the device list messages, and address the indicated reasons the requested devices were declared ineligible. Then reissue the command.

EMCU005W

```
GPM command partially successful
```

Cause

A pool management device action was requested and the SKIP keyword was included. During validation, some but not all devices in the specified range were found to be ineligible. Subsequently, command processing was performed successfully for the eligible devices only. One or more device list error or warning messages indicate, for each ineligible device in the specified range, the reason it was found to be ineligible. The devices that were successfully processed are listed in message EMCU00BI. Return code 4 is set.

Action

Examine the device list error messages, and note the reasons for which the devices were declared ineligible. If necessary, address those reasons.

EMCU006E

```
GPM command failed, SKIP not specified
```

Cause

A pool or storage group management device action was requested and the SKIP keyword was not included. During validation, some but not all devices in the specified range were found to be ineligible. Consequently, command processing was terminated after validation. One or more device list error messages indicate, for each ineligible device in the specified range, the reason it was found to be ineligible. Return code 8 is set.

Action

Examine the device list error messages, and note the reasons for which the ineligible devices were declared ineligible. If necessary, address those reasons. Alternatively, reissue the command including the SKIP keyword.

EMCU006I

```
COMMAND PROCESSED SUCCESSFULLY.
```

Cause

A pool or storage group management batch command was successfully processed. Return code 0 has been set.

Action

None.

EMCU007W

```
GPM command completed with warning
```

Cause

A pool or storage group management command with a QUERY or DISPLAY action was requested, but no devices (or other objects such as pools or tasks) were found satisfying the criteria for inclusion in the output. One or more preceding messages provide more detailed information. Return code 4 has been set.

Action

None unless the description of any preceding message dictates a specific course of action. However, the return code may be used in a batch command stream to guide subsequent processing.

EMCU008I

```
END OF COMMANDS FILE REACHED
```

Cause

All the commands in the input file have been processed.

Action

None.

EMCU009E

```
Expected continuation card not found
```

Cause

A pool or storage group management batch job was submitted. A continuation character was found (i.e., a dash was found at the end of a line), but the subsequent line is missing or empty, or no data was found in the first line of the input stream.

Action

Ensure that all lines ending with a continuation character are followed by a line containing the continued data. Also, ensure that the first line in the input stream contains data, either a command or comment. Commented lines must have an asterisk in the first column.

Correct the problem, and resubmit the batch job.

EMCU009I

Requested devices

Cause

A pool or storage group management device action was requested. The devices listed were those specified to be processed by the command. Additional devices may be included for processing if FBA meta heads are among the listed devices.

Action

None.

EMCU00AI

Eligible devices

Cause

A pool or storage group management device action was requested. During the validation phase, the devices listed were found to be eligible to be processed for the requested action.

Action

None.

EMCU00BI

Completed devices

Cause

A pool or storage group management device action has been successfully processed for the listed devices.

Action

None.

EMCU00CI

Accepted devices

Cause

A pool or storage group management device action was requested. The action is handled by a background process. This message indicates that the listed devices have been passed to this background process. Subsequently, polling will be performed for a period of time, after which the devices will be included in the device list for message EMCU00BI (action complete), EMCU00DI (action incomplete), or an error message (action failed).

Action

None.

EMCU00DI

Incomplete devices (check status)

Cause

A pool or storage group management device action was requested. The action is handled by a background process that has neither completed nor failed at the time of command completion for the devices listed. No further polling will be done to determine the outcome of the action for these devices.

Action

Continue to check the status of the devices listed until able to determine whether the action was successful or not.

EMCU00EI

```
FBA Meta members included
```

Cause

A pool management device action was requested and FBA meta head devices were among the requested devices. To ensure FBA meta consistency, all FBA meta members associated with requested head devices are also included even if not in the specified device range. The devices listed were such FBA meta members, and were consequently included.

Action

None.

EMCU00PI

```
*** Processing controller symm-serial, SYMSG: sg_name
```

Cause

For each command involving a storage group, and for each storage system operated on as a result of that command, this message reports the serial number of the storage system and the name of the storage group.

Action

None.

EMCU00RI

```
*** Requested volumes by SMSSG: smsname [for controller symm-serial] for SYMSG: sg_name volume-list
```

Cause

For each command that cannot process an SMS or VOLUME group, and for each storage system operated on as a result of that command, this message reports the SMS group name, the storage system serial number, and the storage group name.

Action

None.

EMCU00SI

Format 1:

```
*** Devices for controller symmserial, SYMSG: sg_name
```

Format 2:

```
volser cuu UCB@ ucb-address DEV#=symdv#
```

Cause

Format 1 is used to report the storage system serial number and the storage system name for each command involving an SMS or VOLUME group, and for each storage system operated on as a result of that command.

Format 2 of this message follows each occurrence of EMCU00XI. That form lists the devices referred to by the SMS storage group using one line for each device in the group.

Action

None.

EMCU00TI

```
*** Original SYMSG has SLO and SRP parameters:  
symmserial slo_name srp_name
```

Cause

If a group needs to be created with the REFRESH or ADD commands on a storage system that has not previously participated, this message reports the SLO and SRP that were originally used and where. The message warns the user to assign values using the SET SYMSG command.

Action

None.

EMCU00UI

```
*** Nothing to do for controller
```

Cause

This message is produced if an ADD or REMOVE was requested but no devices actually needed to be added or removed.

A REFRESH includes both REMOVE and ADD.

Action

None.

EMCU00VI

```
*** Undiscovered volumes [for SMSSG smsname]  
volume-list,...
```

Cause

If SMSRPT(DET) or VOLRPT(DET) is specified and there were any volumes which could not be identified with a device, then this message list the volumes. As many lines as required are written to display the entire list.

Action

None.

EMCU00XI

```
action based on [VOLUMES volume-list | SMSSG: smsname]
```

Cause

Immediately following EMCU00SI, this message indicates the action to be taken (creating, adding, deleting, or removing) and the defining list, either VOLUMES or the indicated SMS group.

Action

None.

EMCU010I

```
item on Controller symm-serial
```

Cause

A non-device-oriented QUERY or DISPLAY request was received. This message identifies the contents of the display, including what is being displayed, for example, pool, tasks, tiers, and so forth (*item*), and the serial number of the storage system for which the message was issued.

Action

None.

EMCU011I

Format 1 lists all or some of the following column headings in a single row:

- Pool name
- Id
- Typ
- Stat
- Emul
- Class
- Speed
- Alarms
- MaxO
- ActO
- %-Used
- Reb
- Compress

Format 2 lists the following column headings in a single row (with subsequent messages showing the column values):

- Task
- Type
- State
- Status
- MaxDelta

Format 3 lists the following column headings on a single row:

- Pool name
- Id
- Typ
- Stat
- Emul
- Class
- Speed
- %-Used
- Capacity

Format 4 lists the following column values in a single row:

- Tier name
- Id
- Type
- Tech
- Protection

Cause

This message shows column headers in pool management QUERY or DISPLAY command output. Output fields are described in the *ResourcePak Base for z/OS Product Guide*.

Action

None.

EMCU012I

*message-text***Cause**

This message follows message EMCU011I and shows details line values in the pool management QUERY or DISPLAY command output. See the *ResourcePak Base for z/OS Product Guide* for field descriptions.

Action

None.

EMCU013I

Devices in Thin Pool *poolname* on *symm-serial* API Ver: *api-version*

Cause

This message shows a header for the output of the GPM DISPLAY command issued for a particular device pool on the storage system.

Action

None.

EMCU014I

Format 1:

Device#	Alloc	Used	Shared	Persist	SRP Name
---------	-------	------	--------	---------	----------

Format 2:

Device#	Alloc	Used	Shared	Persist	Compress	Bound Pool
---------	-------	------	--------	---------	----------	------------

Format 3:

Device#	Alloc	Pool
---------	-------	------

Format 4:

Device#	Alloc	Compress	[Pool]
---------	-------	----------	--------

Format 5:

Device#	Emul	State	Used	Free
---------	------	-------	------	------

Cause

This message shows the column headers for the QUERY ALLOC (Format 1 with PowerMaxOS 5978 and HyperMax OS 5977, Format 2 with Enginuity 5876 and earlier), QUERY ALLALLOCS (Format 3 with PowerMaxOS 5978 and HyperMax OS 5977, Format 4 with Enginuity 5876 and earlier), or DISPLAY (Format 5) command output. See the *ResourcePak Base for z/OS Product Guide* for explanation of fields.

Action

None.

EMCU015I

This message shows the following values in a single row:

Format 1:

- *symdv#*

- *allocated-tracks-count*
- *used-tracks-count*
- *shared-tracks-count*
- *persistent-tracks-count*
- *compressed-tracks-count*
- *poolname*

Format 2:

- *symdv#*
- *allocated-tracks-count*
- *compressed-tracks-count*
- *poolname*

Cause

This message follows message EMCU014I and shows details lines in the output of the QUERY ALLOC (Format 1) or QUERY ALLALLOCS (Format 2) command issued for a particular device pool.

See the *ResourcePak Base for z/OS Product Guide* for explanation of the field values.

Action

None.

EMCU016I

NO DEVICES IN POOL

Cause

A CONFIGPOOL DISPLAY command for a particular logpool on the storage system has been processed, but there are no devices in the pool.

Action

None.

EMCU017E

Unrecognized CONFIGPOOL action xxxxxxxx

Cause

During parsing of a CONFIGPOOL command, the action indicated was specified, but is not a supported action. This value error has resulted in rejection of the command with return code 12.

Action

Correct and resubmit the command.

EMCU018E

CANNOT CREATE THE DEFAULT POOL

Cause

A CONFIGPOOL command has been entered that is trying to create a pool named DEFAULT_POOL.

Action

Examine the input, correct the error, and submit the job again.

EMCU019E

LOCAL, TARGET, AND REMOTE ARE MUTUALLY EXCLUSIVE

Cause

A CONFIGPOOL command has been entered that has more than one of the three values.

Action

Examine the input, correct the error, and submit the job again.

EMCU020E

CANNOT CREATE A POOL THAT ALREADY EXISTS

Cause

A CONFIGPOOL command has been entered that is trying to create a duplicate pool name.

Action

Examine the input, correct the error, and submit the job again.

EMCU021E

MICROCODE ON SYMMETRIX IS PRIOR TO 5X72

Cause

A CONFIGPOOL command has been entered that has TYPE(DSEPOOL) and is trying to run against a storage system that does not support that.

Action

Examine the input, correct the error, and submit the job again.

EMCU022E

CANNOT DELETE THE DEFAULT POOL

Cause

A CONFIGPOOL command has been entered that is trying to delete the pool named DEFAULT_POOL.

Action

Examine the input, correct the error, and submit the job again.

EMCU023W

Pool *poolname* not found

Cause

A command was entered specifying a pool name. However, the requested pool *poolname* could not be found on the storage system to which the command was directed. Consequently, the action has failed. Return code 4 has been set.

Action

Determine whether an incorrect pool name was specified in the command or whether the pool was to have been created but has not yet been created. If the pool name was specified incorrectly, reissue the command specifying the correct pool name. If the pool is to be created, do so and reissue the command.

EMCU024E

Pool *poolname* not found on *symm-serial*

Cause

A command was entered specifying a pool name. However, the requested pool could not be found on the indicated storage system to which the command was directed. Consequently, the action has failed. Return code 8 has been set.

Action

Determine whether an incorrect pool name was specified in the command or whether the pool was to have been created but has not yet been created. If the pool name was specified incorrectly, reissue the command specifying the correct pool name. If the pool is to be created, do so and reissue the command.

EMCU025E

I/O ERROR RECEIVED WHILE CHECKING THE SYMMETRIX MICROCODE LEVEL

Cause

An unexpected return code was received from the storage system while checking the level of the operating environment.

Action

Examine the input, verify the PowerMax or VMAX channel address, the log device number(s), and so forth. If any errors are found, correct the error, and submit the job again. If no errors are found, recreate the error with a GTF trace and contact the Dell EMC Customer Support Center.

EMCU026E

I/O ERROR RECEIVED WHILE CREATING A POOL

Cause

An unexpected return code was received from the storage system while trying to create a pool.

Action

Examine the input, verify the PowerMax or VMAX channel address, the log device number(s), and so forth. If any errors are found, correct the error, and submit the job again. If no errors are found, recreate the error with a GTF trace and contact the Dell EMC Customer Support Center.

EMCU027E

I/O ERROR RECEIVED WHILE ADDING A DEVICE TO A POOL

Cause

An unexpected return code was received from the storage system while trying to add a device a pool.

Action

Examine the input, verify the PowerMax or VMAX channel address, the log device number(s), and so forth. If any errors are found, correct the error, and submit the job again. If no errors are found, recreate the error with a GTF trace and contact the Dell EMC Customer Support Center.

EMCU028E

I/O ERROR RECEIVED WHILE DELETING A POOL

Cause

An unexpected return code was received from the storage system while trying to delete a device from a pool.

Action

Examine the input, verify the channel address of the storage system, the log device number(s), and so forth. If any errors are found, correct the error, and submit the job again. If no errors are found, recreate the error with a GTF trace and contact the Dell EMC Customer Support Center.

EMCU029E

I/O ERROR RECEIVED WHILE RETRIEVING THE POOL NAMES

Cause

An unexpected return code was received from the storage system while trying to retrieve the pool names.

Action

Examine the input, verify the PowerMax or VMAX channel address, the log device number(s), and so forth. If any errors are found, correct the error, and submit the job again. If no errors are found, recreate the error with a GTF trace and contact the Dell EMC Customer Support Center.

EMCU030E

I/O ERROR RECEIVED FROM ENABLE DEVICE COMMAND

Cause

An unexpected return code was received from the storage system while trying to enable a device in a pool.

Action

Examine the input, verify the PowerMax or VMAX channel address, the log device number(s), and so forth. If any errors are found, correct the error, and submit the job again. If no errors are found, recreate the error with a GTF trace and contact the Dell EMC Customer Support Center.

EMCU031E

I/O ERROR RECEIVED FROM DISABLE DEVICE COMMAND

Cause

An unexpected return code was received from the storage system while trying to disable a device in a pool.

Action

Examine the input, verify the PowerMax or VMAX channel address, the log device number(s), and so forth. If any errors are found, correct the error, and submit the job again. If no errors are found, recreate the error with a GTF trace and contact the Dell EMC Customer Support Center.

EMCU032E

I/O ERROR RECEIVED WHILE REMOVING A DEVICE FROM A POOL

Cause

An unexpected return code was received from the storage system while trying to remove a device from a pool.

Action

Examine the input, verify the PowerMax or VMAX channel address, the log device number(s), and so forth. If any errors are found, correct the error, and submit the job again. If no errors are found, recreate the error with a GTF trace and contact the Dell EMC Customer Support Center.

EMCU033E

I/O ERROR RECEIVED FROM DRAIN COMMAND

Cause

An unexpected return code was received from the storage system while trying to drain a log device.

Action

Examine the input, verify the PowerMax or VMAX channel address, the log device number(s), and so forth. If any errors are found, correct the error, and submit the job again. If no errors are found, recreate the error with a GTF trace and contact the Dell EMC Customer Support Center.

EMCU034E

I/O ERROR RECEIVED FROM UNDRAIN COMMAND

Cause

An unexpected return code was received from the storage system while trying to undrain a device.

Action

Examine the input, verify the PowerMax or VMAX channel address, the log device number(s), and so forth. If any errors are found, correct the error, and submit the job again. If no errors are found, recreate the error with a GTF trace and contact the Dell EMC Customer Support Center.

EMCU035E

I/O ERROR RECEIVED FROM QUERY SAVEDEV COMMAND

Cause

An unexpected return code was received from the storage system while trying to query all the log devices.

Action

Examine the input, verify the PowerMax or VMAX channel address, the log device number(s), and so forth. If any errors are found, correct the error and submit the job again. If no errors are found, recreate the error with a GTF trace and contact the Dell EMC Customer Support Center.

EMCU036E

Pool name *poolname* does not adhere to standards

Cause

The pool name specified does not adhere to the allowed naming conventions.

Action

Fix the specified pool name, and resubmit the command.

EMCU037E

DEVICE TYPE DOES NOT MATCH POOL TYPE

Cause

An ADD POOL command is trying to place a device in a different device type log pool.

Action

Examine the input, correct the error, and submit the job again.

EMCU038E

```
DEVICE RANGE IS NOT VALID ON DRAIN/UNDRAIN COMMAND; SINGLE DEVICE ONLY
```

Cause

A CONFIGPOOL DRAIN or UNDRAIN command has specified a range of devices.

Action

Examine the input, correct the error, and submit the job again.

EMCU039E

```
UNABLE TO PIN THE UCB
```

Cause

The UCB for the storage system cannot be pinned; most likely because it is pinned by some other job.

Action

Wait for any job that may have the UCB of the storage system pinned, then submit the job again.

EMCU040E

```
ENABLED DEVICES CAN NOT BE MOVED
```

Cause

A CONFIGPOOL command is trying to move a device that is currently enabled.

Action

Examine the input, DISABLE the device, and submit the job again.

EMCU041E

```
DEVICE IS NOT IN THE NAMED POOL
```

Cause

A CONFIGPOOL command is trying to act on a device that is not in the named pool.

Action

Examine the input, correct the error, and submit the job again.

EMCU042E

```
Unit ccuu not defined to SCF
```

Cause

A command was issued specifying the indicated MVS device as a gatekeeper. However, the indicated device was either unknown to SCF, excluded by an SCF initialization control statement, or invalid for use as a gatekeeper, so a connection to the target storage system is not possible. Return code 8 has been set.

Action

Reissue the command specifying a valid and appropriate gatekeeper.

EMCU043E

```
UNABLE TO OBTAIN SYMMETRIX EXTERNAL LOCK
```

Cause

The storage system will not honor the request for the External Lock; most likely because the lock is held by another job.

Action

Wait until any job that may be using the Symmetrix External Lock has finished and submit the job again.

EMCU044E

```
SCF NOT FOUND
```

Cause

No correctly named SCF was found running in this LPAR.

Action

See the *ResourcePak Base for z/OS Product Guide* for information on overriding the default SCF name. Correct the JCL, and submit the job again.

EMCU045E

```
VOLUME NOT KNOWN TO SCF
```

Cause

A GPM(CONFIGPOOL) command used the VOLUME parameter, but that volume is not known to the SCF.

Action

Examine the input, correct the error, and submit the job again.

EMCU046E

```
DD NAME NOT FOUND IN JCL
```

Cause

A CONFIGPOOL command used the DDNAME parameter, but that DD card was not found in the JCL.

Action

Examine the input, correct the error, and submit the job again.

EMCU047E

```
ERROR TRYING TO RELEASE SYMMETRIX EXTERNAL LOCK; NOTIFY EMC
```

Cause

During cleanup, the CONFIGPOOL command processor was unable to release the external lock it obtained to make log pool changes.

Action

Contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCU048E

```
ERROR TRYING TO UNPIN UCB
```

Cause

During cleanup the CONFIGPOOL command processor was unable to unpin the UCB it had pinned.

Action

None. The operating system end of job processing will unpin the UCB. If this message appears frequently, contact the Dell EMC Customer Support Center.

EMCU049E

```
ESFGPMSC ATTEMPTED RECOVERY FROM ABEND OR WAS CANCELED
```

Cause

During execution, the Generalized Pool Maintenance Utility either came to an abnormal end (abend) or was canceled. The recovery routines will have released the external lock and unpinned the UCB.

Action

If this message appears frequently, contact the Dell EMC Customer Support Center.

EMCU050E

```
RAGROUP VALUE FORMAT IS INVALID
```

Cause

The value provided in the RAGROUP parameter is not in the correct format.

Action

Examine the input, correct the error, and submit the job again.

EMCU051E

```
SECOND DEVICE IN RANGE MUST BE GREATER THAN THE FIRST
```

Cause

The second device in a range of devices in the DEV parameter is not in the correct order.

Action

Examine the input, correct the error, and submit the job again.

EMCU052E

```
CONTROLLER SERIAL NUMBER FOUND DOES NOT MATCH THE ONE PROVIDED
```

Cause

The value in the CONTROLLER parameter of a REMOTE command does not match the value returned by that storage system.

Action

Examine the input, correct the error, and submit the job again.

EMCU053E

```
INVALID DEVICE NUMBER
```

Cause

At least one of the device numbers in the DEV parameter does not exist on the storage system.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

Examine the input, correct the error, and submit the job again.

EMCU053W

INVALID DEVICE NUMBER

Cause

At least one of the device numbers in the DEV parameter does not exist on the storage system.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

Examine the input, correct the error, and submit the job again.

EMCU054E

TYPE IS A REQUIRED PARAMETER

Cause

The required parameter, TYPE, is missing.

Action

Examine the input, correct the error, and submit the job again.

EMCU055E

TYPE must be SAVEDEV, THINDEV or DSEPOOL, found *value*

Cause

The pool utility received a command string that included the TYPE keyword parameter. However, the parameter value was not one of the supported values listed in the message. This value error results in rejection of the command with return code 12.

Action

Correct the command string and resubmit the command.

EMCU056E

RAGROUP IS REQUIRED FOR REMOTE COMMAND

Cause

The RAGROUP parameter is missing from a command with the REMOTE keyword.

Action

Examine the input, correct the error, and submit the job again.

EMCU057E

Device *syndv#* not in pool *poolname*

Cause

A REMOVE POOL, ENABLE, or DISABLE command was issued. However, the indicated device was not in the pool specified in the command.

Action

If the device number was in error, correct it. If the device should be included in the specified pool, include it by means of an ADD POOL command. After correcting the problem, reissue the command.

EMCU058E

UNIT IS NOT KNOWN TO

Cause

The device specified in the UNIT parameter is not one that is known to SCF.

Action

Examine the input, correct the error, and submit the job again.

EMCU059E

```
UNABLE TO OBTAIN REMOTE DIRECTOR NUMBER FOR DRAIN OR UNDRAIN
```

Cause

Invalid return code from API call trying to obtain director information.

Action

Examine input for errors, verify that the SRDF group hop list is correct, and verify that the device exists on the remote storage system. Correct the error and submit the job again.

EMCU060I

```
Thin Allocations on symm-serial API Ver: version
```

Cause

This message shows a header for the output of the QUERY ALLOC command command.

Action

None.

EMCU061I

This message lists the following column headings in a single row:

Format 1:

- Device#
- Emul
- Used
- Free
- Pool Name
- DGID
- Class
- Speed
- Prot
- A/I
- SRP Name

Format 2:

- Device#
- Emul
- Used
- Free
- Pool Name
- Type
- Class
- Speed
- Prot

- A/I
- Status

Format 3:

- Device#
- Emul
- A/I
- Used
- Free
- Class
- Speed
- Prot
- DGID
- SRP Name

Format 4:

- Device#
- Emul
- Used
- Free
- Pool Name
- Type
- Tech
- Speed
- Prot
- A/I
- Status

Cause

This message contains the column headings in the output of a device-oriented QUERY command (for example, Format 1 for QUERY DATADEV with PowerMaxOS 5978 and HYPERMAX OS 5977, Format 2 for QUERY DATADEV with Enginuity 5876 and earlier, Format 3 for QUERY POOLDEV with PowerMaxOS 5978 and HYPERMAX OS 5977, Format 4 for QUERY SAVEDEV with Enginuity 5876 and earlier).

Action

None.

EMCU062I

```
NUMBER TYPE TRACKS TRACKS NAME TYPE
```

Cause

A QUERY SAVEDEV command for all the devices on a storage system has been processed. This is a report header line.

Action

None.

EMCU063I

This message shows the following values in a single row:

Format 1:

- *symdv#*
- *emulation*
- *used-tracks*
- *free-tracks*
- *poolname*
- *dgid*
- *class*
- *speed*
- *protection*
- *ai*
- *srpname*

Format 2:

- *symdv#*
- *emulation*
- *used-tracks*
- *free-tracks*
- *poolname*
- *type*
- *class*
- *speed*
- *protection*
- *ai*
- *status*

Format 3:

- *symdv#*
- *emulation*
- *ai*
- *used-tracks*
- *free-tracks*
- *class*
- *speed*
- *protection*
- *dgid*
- *srpname*

Format 4:

- *symdv#*
- *emulation*
- *used-tracks*
- *free-tracks*
- *poolname*
- *type*
- *technology*
- *speed*

- *protection*
- *ai*
- *status*

Cause

This message follows message EMCU061I and shows values for device-oriented QUERY command output. See the *ResourcePak Base for z/OS Product Guide* for explanation of field values.

Action

None.

EMCU064I

Totals:

type: count used tracks, count free tracks, percentage used

Cause

This message shows device summary information for a device-oriented QUERY command.

Action

None.

EMCU065E

INSUFFICIENT SPACE IN OUTPUT BUFFER TO MOVE POOL NAMES LIST

Cause

A request to get the names of all the pools on a storage system has been processed, but there is not enough space in the caller's output storage area to hold the list.

Action

Increase the size of the output storage area, and submit the job again.

EMCU066E

UNABLE TO DRAIN SPECIFIED DEVICE DUE TO PROTECTED TRACKS

Cause

A request to DRAIN a device has failed because that device has protected tracks on it.

Action

Wait until the device no longer has protected tracks, and submit the job again.

EMCU067E

Insufficient space in output buffer for all records

Cause

A pool management query request was issued, but there is not enough space in the output buffer for all of the requested devices. Consequently, the command has failed, and return code 8 has been set.

Action

Decrease the size of the request, and re-issue the command. If the DEV parameter was specified on the initial command, decrease the size of the requested device range. If the DEV parameter was not specified on the initial command, add the DEV parameter specifying the range of PowerMax or VMAX device numbers for the requested devices. If

the problem persists, notify the Dell EMC Customer Support center.

EMCU068E

```
NAMED POOL HAS NO DEVICES
```

Cause

An ENABLE, DISABLE, or REMOVE POOL command with the DEV(ALL) parameter has named a pool that has no devices in it.

Action

Examine the input, correct the error, and submit the job again.

EMCU069E

```
DEVICE HAS USED TRACKS AND CANNOT BE REMOVED FROM POOL
```

Cause

A REMOVE POOL command has included at least one device that has tracks in use and cannot be removed from the named pool.

Action

Query the pool to identify the devices that are still in use, remove them from the device parameter, and submit the job again.

EMCU070E

```
TARGET IS NOT AVAILABLE
```

Cause

The target for a remote command is not available because an invalid SRDF group has been specified or because a link is not functioning.

Action

Examine the input. Verify that the first hop in the SRDF group exists in the gateway device and that the link is active. If there is a second hop in the SRDF group, verify that it exists on the intermediate device and the link is active. Repeat for each hop in the SRDF group, correct the error, and submit the job again.

EMCU070I

```
[Data|Save|Pool|Thin] Device Summary on symm-serial[for pool  
poolname] API Ver: version
```

Cause

This message shows the header for the output of a device-oriented QUERY command issued with the SUMMARY parameter. It indicates the type of device queried, the storage system serial number, the API version, and the pool name if an explicit pool name was specified on the command.

Action

None.

EMCU071E

```
DEVICE TYPE IS INVALID FOR THIN PROVISIONING POOL
```

Cause

The user attempted to place a device that was not a thin data device in a thin pool.

Action

Examine the input, correct the error, and submit the job again.

EMCU071I

```
[Device|Track] Totals: CKD Bound: count Unbound: count FBA  
Bound: count Unbound: count  
or  
[Device|Track] Totals: CKD: count FBA: count
```

Cause

This message shows device totals or track totals for all devices returned by a device-oriented QUERY command.

Action

None.

EMCU072E

```
THIN DEVICE CAN ONLY BE USED IN A THIN PROVISIONING POOL
```

Cause

You attempted to place a thin data device in a pool that was not a thin pool.

Action

Examine the input, correct the error, and submit the job again.

EMCU073E

```
GETMAIN FOR RESOURCE MANAGER PARAMETERS FAILED
```

Cause

The utility was unable to obtain storage needed for the Resource Manager control blocks.

Action

Increase the region size and submit the job again.

EMCU074E

```
RESOURCE MANAGER ADD OPERATION FAILED
```

Cause

The utility was unable to add a Resource Manager for this job to the operating system.

Action

Submit the job again. If this message persists, contact the Dell EMC Customer Support Center.

EMCU075E

```
CAN NOT DRAIN/UNDRAIN A DEVICE IN A DSEPOOL
```

Cause

You tried to DRAIN or UNDRAIN a device that is currently in a DSEPOOL.

Action

Wait until the device has zero used tracks, then DISABLE it.

EMCU076E

```
DEVICE IS ASSIGNED TO A NONEXISTENT POOL
```

Cause

You tried to DRAIN or UNDRAIN a device that is assigned to a pool that does not exist.

Action

Contact the Dell EMC Customer Support Center.

EMCU077E

```
INVALID EYECATCHER IN CONTROL BLOCK ESF$GPMB
```

Cause

The user has not built the control block correctly.

Action

Change the code that builds the control block and rerun the job.

EMCU078E

```
VERSION LEVEL IN CONTROL BLOCK ESF$GPMB IS NOT SUPPORTED.
```

Cause

The user has not build the control block correctly.

Action

Change the code that builds the control block and rerun the job.

EMCU079E

```
LENGTH PASSED IN CONTROL BLOCK ESF$GPMB IS INCORRECT.
```

Cause

The user has not built the control block correctly.

Action

Change the code that builds the control block and rerun the job.

EMCU080E

```
COMMAND FAILED FEATURE REGISTRATION SECURITY CHECK.
```

Cause

Either the feature was not enabled in the storage system's ELM file, or the user does not have the proper security level to issue the command.

Action

Enable the feature in the storage system's ELM file, or if it was already enabled, contact someone with the necessary security level to run the job.

EMCU081E

```
Action not supported by microcode level level
```

Cause

A command was issued that is not supported by the operating environment level of this storage system.

Action

Issue this command against a storage system with the appropriate operating environment level.

EMCU082E

DEVICE IS NOT THE SAME STORAGE CLASS AS THOSE ALREADY IN THE POOL.

Cause

You tried to add a device to a pool that does not match the storage class of the devices already there.

Action

Correct the command and rerun the job.

EMCU083E

A DEFAULT POOL CAN NOT BE RENAMED.

Cause

A RENAME POOL command was issued against one of the default pools. This is not allowed. Default pools cannot be renamed.

Action

Verify the pool name.

EMCU084E

A POOL CAN NOT BE RENAMED TO THE DEFAULT POOL NAME.

Cause

A RENAME POOL command attempted to rename a pool to one of the default pool names. This is not allowed.

Action

Correct the command and rerun the job.

EMCU085E

CAN NOT RENAME A POOL THAT DOES NOT EXIST.

Cause

The user issued the RENAME POOL command for a pool that does not exist.

Action

Correct the command and rerun the job.

EMCU086E

Pool name *poolname* already in use

Cause

A CREATE POOL command was entered specifying a pool name. However, the requested pool name already exists on the storage system. Consequently, the action has failed. Return code 8 has been set.

Action

Determine whether or not an incorrect pool name was specified in the command. If the pool name was specified incorrectly, reissue the command specifying the correct pool name. If the pool was specified correctly, use the existing pool.

EMCU087E

I/O ERROR RECEIVED WHILE RENAMING A POOL.

Cause

There was an I/O error while processing a RENAME POOL command.

Action

Recreate the error while taking a GTF trace and submit the formatted trace to the Dell EMC Customer Support Center.

EMCU088E

```
RENAME COMMAND FAILED.
```

Cause

An undocumented error code has been received while processing a RENAME POOL command.

Action

Recreate the error while taking a GTF trace and submit the formatted trace to the Dell EMC Customer Support Center.

EMCU089E

```
Pool does not exist
```

Cause

A pool management command was entered specifying a pool name. However, the requested pool does not exist on the storage system. Consequently, the action has failed. Return code 8 has been set. You tried to bind a device to or unbind a device from a pool that does not exist.

Action

Determine whether or not an incorrect pool name was specified in the command. If the pool name was specified incorrectly, reissue the command specifying the correct pool name. If the pool name was specified correctly, the pool must be created using the CREATE POOL command before that pool can be referenced by another pool management command.

EMCU090E

```
CAN NOT BIND TO OR UNBIND FROM A POOL THAT IS NOT A THIN POOL.
```

Cause

You tried to bind a device to or unbind a device from a pool that is not a thin pool.

Action

Correct the command and rerun the job.

EMCU091E

```
DEVICE IS NOT A THIN DEVICE; IT CAN NOT BE BOUND TO A THIN POOL.
```

Cause

You tried to bind a device that is not a thin device to a thin pool.

Action

Correct the command and rerun the job.

EMCU092E

```
DEVICE CAN NOT BE USED AS A GATEKEEPER DEVICE; IT IS A THIN OR VIRTUAL DEVICE.
```

Cause

You tried to use a thin or a virtual device as a gatekeeper.

Action

Correct the command and rerun the job.

EMCU093E

```
EMCAPI CALL TO VALIDATE THE DEVICE HAS FAILED.
```

Cause

An undocumented error code has been received while processing a command. Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

Recreate the error while taking a GTF trace and submit the formatted trace to the Dell EMC Customer Support Center.

EMCU093W

```
EMCAPI CALL TO VALIDATE THE DEVICE HAS FAILED.
```

Cause

An undocumented error code has been received while processing a command. Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

Recreate the error while taking a GTF trace and submit the formatted trace to the Dell EMC Customer Support Center.

EMCU094E

```
CAN NOT BIND AN FBA THIN DEVICE TO A CKD THIN DATA POOL.
```

Cause

You tried to BIND an FBA thin device to a CKD thin pool.

Action

Correct the command and rerun the job.

EMCU095E

```
CAN NOT BIND A CKD THIN DEVICE TO AN FBA THIN DATA POOL.
```

Cause

You tried to BIND a CKD thin device to an FBA thin pool.

Action

Correct the command and rerun the job.

EMCU096E

```
I/O ERROR RECEIVED WHILE TRYING TO BIND A THIN DEVICE TO A THIN DATA POOL.
```

Cause

There was an I/O error while processing a BIND command.

Action

Recreate the error while taking a GTF trace and submit the formatted trace to the Dell EMC Customer Support Center.

EMCU097E

BIND COMMAND FAILURE; NON ZERO RETURN CODE. TLRC=*tlrc* SCRC=*scrc*

Cause

An error code was while processing a BIND command. TLRC represents the transport layer return code and SCRC indicates the syscall return code.

Possible TLRC values are as follows:

- 83 - Data called not found
- 84 - Data exceeds buffer size
- 85 - Data does not fit in the output buffer
- 8C - Remote syscall failed
- 90 - Attempt to write data beyond buffer end (internal logic error)
- 91 - Sent parameter flag byte error
- 92 - DA error (for disconnected syscalls)
- 93 - System Internal Error (data consistency problem encountered)
- 94 - Extended remote request with invalid route
- 95 - The syscall did not execute due to a resource limitation, please retry this I/O
- 96 - Syscall requires the use of a socket
- 97 - Syscall is not allowed on the specified director/port according to the IMPL
- 98 - Error sending the syscall to a remote director (same storage system)
- 99 - Error executing the syscall on a remote director
- 9A - Requested syscall format does not support more than 32 directors
- 9B - Syscall is not supported for detected configuration; upgrade application
- 9C - Multihop syscall timed out somewhere along the line
- 9D - Multihop syscall was sent, but ran into an existing Multihop syscall
- 9E - Requested count is not enough for extended parameters
- 9F - Syscall result remained uninitialized
- A0 - Poll
- A7 - Syscall times out during execution
- A8 - Could not get Access ID/tag from parameters
- A9 - Syscall format is not supported
- AA - Invalid syscall sub-command
- AB - Invalid syscall sub-format
- AC - Reserved parms are not zero
- AD - Operation is not allowed on a meta member
- AE - The Quick Config parameters indicate a status has changed
- AF - User requested abort on polling syscall

Possible SCRC values are as follows:

- 02 - INTERNAL_ERROR
- 03 - SANITY_CHECK_FAILED
- 04 - TOO_MANY_RECORDS
- 05 - UNABLE_TO_BIND_DEVICE
- 06 - UNABLE_TO_SEND_ALLOC_REQUEST
- 07 - UNABLE_TO_UNBIND_DEVICE
- 08 - UNABLE_TO_SEND_FREE_REQUEST
- 09 - CANT_ALLOC_WORK_SLOT
- 0A - INVALID_POLLING_REQUEST

0B - UNEXPECTED_POOL_OPERATION
 0C - GST_QUEUE_FULL
 0D - SCRATCH_SLOT_HEADER_INVALID
 0E - FREEING_WORK_SLOT
 0F - INVALID_POOL
 10 - INVALID_THIN_DEVICE
 11 - INVALID_DATA_POOL
 12 - TOO_LARGE_REQUEST
 13 - THIN_DV_ALREADY_BOUND
 14 - THIN_DV_NOT_BOUND
 15 - NO_AVAILABLE_DATA_DEV_IN_POOL
 16 - DEVICE_HAS_EXISTING_BG_TASK
 17 - DEALLOC_FRACTIONAL_GROUP
 18 - UNEXPECTED_PARAM
 19 - NO_AVAILABLE_THIN_DEV
 1A - INVALID_DATA_DEVICE
 1B - DEVICE_HAS_PROTECTED_TRACKS
 1C - DEVICE_HAS_NO_BG_TASK
 1D - DEVICE_HAS_EXISTING_APP_SESSIONS
 1E - TASK_QUEUE_IS_FULL
 1F - TASK_INPUT_INVALID
 20 - TASK_INPUT_PTR_MISSING
 21 - TASK_FAILED_TO_SEND_OPCODE
 22 - TASK_UNKNOWN_OPCODE
 23 - DUPLICATE_TASK
 24 - NO_POOL_RESERVATION
 25 - NO_THIN_RESERVATION
 26 - MOVE_ABORTED

Action

Recreate the error while taking a GTF trace and submit the formatted trace to the Dell EMC Customer Support Center.

EMCU098E

I/O ERROR WHILE POLLING TO VERIFY BIND COMPLETION.

Cause

An I/O error occurred while processing a BIND command.

Action

Recreate the error while taking a GTF trace and submit the formatted trace to the Dell EMC Customer Support Center.

EMCU099E

I/O ERROR RECEIVED WHILE TRYING TO UNBIND A THIN DEVICE FROM A THIN DATA POOL.

Cause

An I/O error occurred while processing an UNBIND command.

Action

Recreate the error while taking a GTF trace and submit the formatted trace to the Dell EMC Customer Support Center.

EMCU100E

UNBIND COMMAND FAILURE; NON ZERO RETURN CODE.

```
TLRC=tlrc SCRC=scrc
```

Cause

An error code was received while processing an UNBIND command, where TLRC represents the transport layer return code and SCRC indicates the syscall return code. See message EMCU097E for possible return code values.

Action

Recreate the error while taking a GTF trace and submit the formatted trace to the Dell EMC Customer Support Center.

EMCU101E

```
I/O ERROR WHILE POLLING TO VERIFY UNBIND COMPLETION.
```

Cause

An I/O error occurred while processing an UNBIND command.

Action

Recreate the error while taking a GTF trace and submit the formatted trace to the Dell EMC Customer Support Center.

EMCU102E

```
I/O ERROR WHILE CHECKING STATUS OF UNBIND COMPLETION.
```

Cause

An I/O error occurred while processing an UNBIND command.

Action

Recreate the error while taking a GTF trace and submit the formatted trace to the Dell EMC Customer Support Center.

EMCU103E

```
UNBIND invalid for device device#, device not bound.
```

Cause

An UNBIND action was requested for a device range including the indicated device. However, the device indicated is not bound to a pool. Consequently, the command has failed. Return code 8 has been set.

Action

If a device was erroneously included, remove it from the device range and reissue the command.

EMCU104E

```
CAN NOT UNBIND A DEVICE FROM A POOL IT IS NOT BOUND TO.
```

Cause

You issued an UNBIND command for a device, specifying a pool other than the pool the device is actually bound to.

Action

Correct the command and rerun the job.

EMCU105E

```
BIND invalid for device syndv#, device already bound.
```

Cause

A BIND action was requested for a device range including the indicated device. However, the device indicated is already bound to a pool. Consequently, the command has failed. Return code 8 has been set.

Action

If a device was erroneously included, remove it from the device range and reissue the command.

EMCU106E

THE MAXIMUM RANGE FOR BIND OR UNBIND IS 4096 CONTIGUOUS DEVICES.

Cause

You issued a BIND or an UNBIND command, specifying a range of devices that exceeds the maximum number allowed.

Action

Correct the command and rerun the job.

EMCU107E

THE SECOND DEVICE IN BIND OR UNBIND RANGE MUST BE A LARGER NUMBER THAN THE FIRST.

Cause

You issued a BIND or an UNBIND command, specifying a range in which the device number of the second device is not greater than the device number of the first device.

Action

Correct the command and rerun the job.

EMCU108I

This message lists the following column headings in a single row:

Format 1:

- Device#
- CUU
- Emul
- Volser
- Rdy
- S/E
- Cyls
- Typ
- Task
- Status
- SRP Name

Format 2:

- Device#
- CUU
- Emul
- Volser
- Bound To
- Rdy

- S/E
- Cyls
- Typ
- Comm
- Task
- Status

Cause

This message shows column headings in the output of the pool management QUERY THINDEV command (Format 1 for PowerMaxOS 5978 and HYPERMAX OS 5977, Format 2 for Enginuity 5876 and earlier).

Action

None.

EMCU110I

This message lists the following values in a single row:

- *symdv#*
- *ccuu*
- *emulation*
- *volser*
- *poolname*
- *ready-state*
- *space-efficient*
- *cylinder-count*
- *device-type*
- *compression-state*
- *task-type*
- *task-status*

Cause

This message shows details lines in the pool management QUERY THINDEV command output. See the *ResourcePak Base for z/OS Product Guide* for field descriptions.

Action

None.

EMCU113E

command invalid for device indicated, device not bound

Cause

An action was requested for a device range including the indicated device. However, the device indicated is not bound to a pool. Consequently, the command has failed. Return code 8 has been set.

command can be one of the following: ALLOCATE, MOVE, COMPRESS, DECOMPRESS, PERSIST, HALTTASK, REBIND, or the generic "Request".

Action

If a device was erroneously included, remove it from the device range and reissue the command.

EMCU118E

```
UNBIND invalid for device syndv#, device mapped and in ready state.
```

Cause

An UNBIND command was issued. A device that may be in use cannot be the object of an UNBIND action. Thus, no device in the range may be both ready and mapped to a front end device. However, the indicated device fulfills both of these conditions. Consequently, the command has failed. Return code 12 has been set.

Action

If a device was erroneously included, remove it from the device range. Otherwise, set the device user not ready and reissue the command.

EMCU120E

```
One or more devices is an FBA Meta member.
```

Cause

A device-oriented pool utility action such as BIND or UNBIND was requested, but one or more FBA meta members were found within the specified device range. This is not permitted, so the command has been aborted.

Action

Remove FBA meta members from the device range, if necessary building multiple commands whose specified device ranges together comprise all devices within the original range that are not FBA meta members. Then run the new set of commands.

EMCU122E

```
UNBIND not allowed for SNAP {source|target} device syndv#
```

Cause

During processing of a request for an UNBIND action, the device indicated in the message was found to be a participant in a current SNAP operation. Such a device may not be unbound from a pool. This error has resulted in failure of the command with return code 8.

Action

Wait until the SNAP operation has completed and reissue the command.

EMCU124E

```
UNBIND failed with error code xx for device syndv#
```

Cause

During processing of an UNBIND command, the error code indicated in the message was returned for the indicated device. This error has resulted in failure of the command with return code 8.

Action

Contact the Dell EMC Customer Support Center.

EMCU126E

```
Unrecognized exec parm
```

Cause

A GPM command was issued, but the contents of the PARM field on the ESFGPMBT EXEC statement could not be recognized. Consequently, the command has failed, and return code 8 has been set.

Action

Correct the PARM field on the ESFGPMBT EXEC statement, or remove the PARM field, and reissue the command. See the *ResourcePak Base for z/OS Product Guide* for information on running ESFGPMBT.

EMCU129E

```
MAXOSUB parameter is invalid - pool poolname is not thin
```

Cause

A pool management action command was issued specifying a maximum oversubscription ratio via the MAXOSUB keyword parameter, and an explicit pool name was specified via the POOL keyword parameter. However, the specified pool is not a thin pool. Consequently, the command has failed. Return code 8 has been set.

Action

Determine whether an incorrect pool name was specified on the command, or if the pool type was specified incorrectly on the CREATE POOL command. If the pool name was specified incorrectly, reissue the command specifying the correct pool name. If the pool was created incorrectly, it may be appropriate to delete and recreate the pool before reissuing the command.

EMCU130E

```
Thin {FBA|CKD} device not supported at microcode level level
```

Cause

A BIND command was issued. A device having the indicated emulation was in the device range of the command, but the operating environment level of the storage system containing the thin pool to which the device is to be bound does not support such devices. Consequently, the command has failed. Return code 8 has been set.

Action

If a device was erroneously included, remove it from the device range. Otherwise, determine whether reconfiguration of virtual provisioning in your environment is required.

EMCU131E

```
Invalid request, symdv# not a {DATA|SAVE} device
```

Cause

A CONFIGPOOL command was issued with an ADD POOL, REMOVE POOL, ENABLE, or DISABLE action. The indicated device was within the device range specified in the command, but was not eligible. If TYPE(THINPOOL) was specified, only DATA devices are eligible; otherwise, only SAVE devices are eligible. Return code 12 has been set.

Action

If a device was erroneously included, remove it from the device range. If a device was not configured correctly on the storage system, perform a reconfiguration. After correcting the problem, reissue the command.

EMCU134E

```
Action would cause maximum pool oversubscription ratio to be exceeded
```

Cause

A BIND, DISABLE, or DRAIN command was issued to a thin device pool. The successful completion of this action would cause the maximum oversubscription ratio for the pool to be exceeded. Consequently, the action has failed. Return code 8 has been set.

Action

Action would cause maximum pool oversubscription ratio to be exceeded
 A BIND, DISABLE, or DRAIN command was issued to a thin device pool. The successful completion of this action would cause the maximum oversubscription ratio for the pool to be exceeded. Consequently, the action has failed. Return code 8 has been set.
 If necessary and appropriate, either add data devices to the pool, unbind thin devices from the pool, or modify the maximum oversubscription ratio for the pool. After correcting the problem, reissue the command.

EMCU139E

```
No available data devices in pool LVCKD_POOL
```

Cause

A BIND command was issued, but there are no available data devices in the specified pool to back the specified thin devices. Consequently, the command has failed. Return code 8 has been set.

Action

If the pool name or device numbers are incorrect, correct the problem, and resubmit the command. If the pool name and device numbers are correct, ensure that there are active data devices in the pool that have enough space to back the specified thin devices. If data devices are inactive, activate some using the ENABLE command. If all data devices in the pool are active, you may need to add more data devices to the pool using the ADD POOL command in order to back the specified thin devices.

EMCU157E

```
DELETE denied, pool poolname not empty
```

Cause

A DELETE POOL action was requested for a pool that still contains devices. Consequently, the command failed. Return code 8 has been set.

Action

If the wrong pool was specified, correct it and reissue the command. If the correct pool was specified, you must remove all devices contained in the pool before the pool can be successfully deleted.

EMCU161E

```
Maximum of two conditional processing levels
```

Cause

An IF statement was encountered in a pool management batch input stream. The maximum number of conditional processing levels are already in effect, and the IF statement would require an additional level. Consequently, the statement cannot be processed. Return code 8 has been set.

Action

Do not attempt to set an additional conditional processing level in the input stream.

EMCU162E

```
Malformed IF statement
```

Cause

An IF statement was encountered in a pool management batch input stream, but the format is incorrect. Consequently, the statement cannot be processed. Return code 8 has been set.

Action

Check the IF statement format and make any necessary corrections. Also, adjust the job stream according to the results from any commands that may have been processed prior to encountering the invalid IF statement, and resubmit the job.

EMCU163E

```
ELSE must be within IF/ENDIF structure, not in ELSE section
```

Cause

An ELSE statement was encountered in a pool management batch input stream. However, there is no current IF section to which the ELSE statement could apply, or the ELSE statement may be within an ELSE section of an IF-ENDIF structure. Consequently, the statement cannot be processed. Return code 8 has been set.

Action

Examine the input stream to determine whether the ELSE statement should be removed or repositioned, or whether an IF statement has been omitted, and take the appropriate action. Also, adjust the job stream according to the results from any commands that may have been processed prior to encountering the invalid IF statement, and resubmit the job.

EMCU164E

```
ENDIF must be within IF/ENDIF structure
```

Cause

An ENDIF statement was encountered in a pool management batch input stream. However, there is no current IF section to which the ENDIF statement could apply. Consequently, the statement cannot be processed. Return code 8 has been set.

Action

Either remove the ENDIF statement, add the missing IF statement, or correct an incorrectly specified IF statement.

EMCU165E

```
RESET requires LASTCC or MAXCC keyword
```

Cause

A RESET statement was encountered in a pool management batch input stream. However, the error code type to be reset has not been specified. Consequently, the statement cannot be processed. Return code 8 has been set.

Action

Correct the erroneous RESET statement. Also, adjust the job stream according to the results from any commands that may have been processed prior to encountering the invalid IF statement, and resubmit the job.

EMCU166I

```
** Conditional skip
```

Cause

A command was skipped because it is within a range of statements being skipped due to conditional processing controlling the statement range. No return code is set.

Action

None required unless skipping the command was not intended. If that is the case, determine whether a conditional processing statement was supplied incorrectly or whether a previous command returned a return code that unexpectedly caused the command to be

skipped.

EMCU167E

```
Malformed ELSE statement
```

Cause

An ELSE statement was encountered in a pool management batch input stream. However, the statement contained an unrecognized keyword. Consequently, the statement cannot be processed. Return code 8 has been set.

Action

Correct the erroneous ELSE statement. Also, adjust the job stream according to the results from any commands that may have been processed prior to encountering the invalid IF statement, and resubmit the job.

EMCU168I

```
Conditional statement specified EXIT, flushing input stream
```

Cause

A conditional processing IF or ELSE statement specifying EXIT was satisfied. Consequently, the remaining commands in the input stream will not be processed. The job step terminates with condition code equal to the highest return code returned by any command executed within the job step.

Action

Analyze the output to determine whether processing was as expected.

EMCU184I

Format 1:

```
Thin Devices on symm-serial Matching SYMSG sg_name
```

Format 2:

```
[device-type] Devices on symm-serial [{Bound to|In} Pool poolname]  
API ver: version
```

Cause

This message shows the device type (thin devices, data devices, save devices), the storage system serial number, the name of the storage group (Format 1) or the pool (Format 2), and the API version in the output of a pool management device-oriented QUERY command.

Action

None.

EMCU199E

```
UNKNOWN RETURN CODE RECEIVED; NOTIFY EMC.
```

Cause

An unknown return code has been received by the utility.

Action

Collect all input and output. If possible, recreate the error with a GTF trace and contact the Dell EMC Customer Support Center.

EMCU200I

```
Symmetrix Storage Groups on Controller symm-serial API Ver:  
version
```

Cause

This message shows the header for the QUERY SYMSG command output.

Action

None.

EMCU201I

```
SG      : sg_name
```

Cause

This message shows the name of the storage group in the QUERY SYMSG command output. It is issued once for each storage group.

Action

None.

EMCU202I

```
ID      : sg_id   {Device Count: device-count | Child SG Count: child-  
sg-count}
```

Cause

A QUERY SYMSG command was issued. This message appears once for each storage group in the display. It indicates the storage group ID and number of devices in the storage group.

For a parent storage group in a cascaded storage group environment, the message indicates the count of child groups in the parent storage group.

Action

None.

EMCU203I

```
SRP : srp_name      FAST: {Y|N}  Emulation: {FBA|CKD|n/a}
```

Cause

A QUERY SYMSG command was issued. This message appears once for each storage group in the display. It indicates the name of the storage resource pool (SRP) associated with the storage group, whether the storage group is FAST-managed (that is, explicitly associated with an SRP and (or) SLO), and the emulation type.

Emulation type has the following values:

- CKD - The group contains CKD devices.
- FBA - The group contains FBA devices.
- n/a - No devices are currently associated with the group.

Action

None.

EMCU204I

```
SLO : slo_name                               Workload: workload_name
```

Cause

This message shows the service level objective (SLO) and the workload associated with the storage group in the QUERY SYMSG command output. This message appears once for each storage group in the display.

Action

None.

EMCU205I

`Devs: device-list`**Cause**

This message lists the devices or device ranges in the storage group shown in the QUERY SYMSG command output. This message appears once for each storage group in the display.

Action

None.

EMCU206I

`Storage Resource Pools on Controller symm-serial API Ver: version`**Cause**

This message shows the header for the QUERY SRP command output.

Action

None.

EMCU207I

`SRP : srp_name`**Cause**

A QUERY SRP command was issued. This message appears once for each SRP in the display and indicates the name of the storage resource pool.

Action

None.

EMCU208I

This message lists the following values in a single row:

- ID : *srp_id*
- CKD Default: {Y|N}
- FBA Default: {Y|N}
- Resv Cap (%): *reserved-capacity*
- DSE: {Y|N}
- DSE Max Cap (GB): *dse-max-capacity*

Cause

A QUERY SRP command was issued. This message appears once for each SRP in the display. It indicates the storage resource pool ID, whether the SRP is the CKD default, whether the SRP is the FBA default, the reserved capacity, whether SRDF/A DSE is enabled for the SRP, and the maximum DSE capacity.

Action

None.

EMCU209I

`Desc: srp-description`

Cause

A QUERY SRP command was issued. This message appears once for each SRP in the display and indicates the storage resource pool description.

Action

None.

EMCU210I

```
Service Level Objectives on Controller symm-serial API Ver: version
```

Cause

A QUERY SLO command was issued. This is the report header identifying the contents of the display, storage system serial number, and API version.

Action

None.

EMCU211I

```
SLO : slo_name Workload: workload
```

Cause

A QUERY SLO command was issued. This message appears once for each SLO and workload combination in the display. It indicates the names of the service level objective and workload.

Action

None.

EMCU212I

```
ID : slo_id Approximate Average Response Time (usec): msec
```

Cause

A QUERY SLO command was issued. This message appears once for each SLO and workload combination in the display. It indicates the service level objective ID and approximate average response time (in microseconds).
For the Optimized SLO, the text "System Optimized" is displayed instead of the response time.

Action

None.

EMCU213I

```
Desc: slo-description
```

Cause

A QUERY SLO command was issued. This message appears once for each SLO and workload combination in the display and indicates the description of the SLO and workload combination.

Action

None.

EMCU214I

```
Disk Groups on Controller symm-serial API Ver: version
```

Cause

A QUERY DISKGRP command was issued. This is the report header identifying the contents of the display, storage system serial number, and API version.

Action

None.

EMCU215I

```
Name: disk-grp                               SRP : srp_name
```

Cause

A QUERY DISKGRP command was issued. This message appears once for each disk group in the display. It indicates the disk group name and the name of the storage resource pool where that disk group resides.

Action

None.

EMCU216I

This message lists the following values in a single row:

- ID : *disk-grp-id*
- Class: *technology*
- Speed: *speed*
- Prot: *protection-type*
- Unformatted Capacity (GB): *capacity*

Cause

A QUERY DISKGRP command was issued. This message appears once for each disk group in the display. It indicates the disk group ID, technology type, drive speed, protection type, and unformatted capacity (in GBs) of the disk group.

Action

None.

EMCU217I

This message shows the following column headings in a single row:

- Emul
- Capacity (trk)
- Free (trk)
- Alc (trk)
- Snap (trk)
- DSE (trk)
- Alc (%)
- [Sub (trk)]
- [Sub (%)]

Cause

A QUERY DISKGRP or QUERY SRP command was issued. This message appears once for each disk group or storage resource pool in the display. It contains the column headers describing the subsequent lines. The 'Sub (trk)' and 'Sub (%)' columns appear on the QUERY SRP report only, as subscription is not applicable on the disk group level.

Action

None.

EMCU218I

This message shows a display-wide separator line (-----).

Cause

A QUERY DISKGRP command was issued. This message appears once for each disk group or storage resource pool in the display. It separates the column headers from the subsequent report lines.

Action

None.

EMCU219I

This message lists the following values in a single row:

- *emulation*
- *capacity*
- *free-tracks*
- *allocated-tracks*
- *snap-tracks*
- *dse-tracks*
- *percentage-allocated*
- *[subscribed-tracks]*
- *[percentage-subscribed]*

Cause

A QUERY DISKGRP or QUERY SRP command was issued. For each disk group or storage resource pool in the display, this message appears once for each emulation type (i.e., CKD and FBA). For each emulation, it indicates the emulation type, total capacity in tracks, total free tracks, total allocated tracks, tracks allocated by Snap, tracks allocated by DSE, and the percentage allocated. For SRPs only, it also indicates the total subscribed tracks and percentage subscribed.

Action

None.

EMCU220I

This message shows a display-wide separator line (-----).

Cause

A QUERY command was issued. This is a separator line.

Action

None.

EMCU221I

Stats: Avg Resp (usec) : *response-time* Reads : *reads-count*

Cause

A QUERY SYMSG command was issued with the STATS parameter. This message appears

once for each SG in the display. For each SG, it indicates the average response time and total number of read I/Os during the sample period.

Action

None.

EMCU222I

```
SLO Met: {Y|N}                               Writes: writes-count
```

Cause

A QUERY SYMSG command was issued with the STATS parameter. This message appears once for each SG in the display. For each SG, it indicates the total number of write I/Os during the sample period and whether or not it is meeting its SLO, if applicable.

Action

None.

EMCU223E

```
RENAME SYMSG failed - Ensure old name (SYMSG) exists
```

Cause

An attempt was made to rename a storage group where the old name does not exist. The command has failed.

Action

Verify that the name exists and is spelled correctly, then retry.

EMCU224I

```
Note: This Service Level Objective is not available on this controller.
```

Cause

This message is displayed when a SLO indicated in prior messages is not available on the storage system.

Action

None.

EMCU225I

```
RDP Cache Utilization: nnn%
```

Cause

This message shows the current utilization of RDP cache pages. It is displayed as a result of issuing a QUERY POOLS or QUERY SRP command.

Action

None.

EMCU300E

```
Device oriented commands are not allowed against parent SGs
```

Cause

The REMOVE SYMSG or ADD SYMSG command with the DEV, SMSSG or VOLUMES parameter was issued against a parent storage group (SG) in the cascaded storage group environment. Parent groups do not contain devices, so device operations are not applicable.

Action

None.

EMCU500I

```
message-text
```

Cause

A command or comment statement was entered via either a SYSIN file or the console. This message echoes the entered command or statement.

Action

None.

EMCU505E

```
Unexpected error generating status device list, rc xx
```

Cause

An error was encountered while formatting the device list for a device status message. BIND command was issued to a thin device pool. The indicated device was within the device range specified in the command, but binding the device to the pool would cause the oversubscription ratio for the pool to be exceeded. Consequently, the action has failed. Return code 8 has been set.

Action

If necessary and appropriate, either add data devices to the pool, unbind front-end devices from the pool, or modify the maximum oversubscription ratio for the pool. After correcting the problem, reissue the command.

EMCU510E

```
Devices active
```

Cause

A pool management REMOVE POOL action was requested to remove devices from a pool. The indicated devices were active, however, and could not be removed from the pool. The return code set is 4 if SKIP was specified and 8 if it was not.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

If the listed devices have allocated tracks, request a pool management DRAIN action; otherwise, request a DISABLE action. At completion, the devices are set inactive and the REMOVE POOL action may be requested again.

EMCU510W

```
Devices active
```

Cause

A pool management REMOVE POOL action was requested to remove devices from a pool. The indicated devices were active, however, and could not be removed from the pool. The return code set is 4 if SKIP was specified and 8 if it was not.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

If the listed devices have allocated tracks, request a pool management DRAIN action; otherwise, request a DISABLE action. At completion, the devices are set inactive and the

REMOVE POOL action may be requested again.

EMCU511E

Devices active

Cause

A pool management ADD POOL action was requested to move pool devices from their current pool to the pool specified in the command. However, the devices listed have status ACTIVE and are consequently ineligible to be moved. The return code set is 4 if SKIP was specified and 8 if it was not.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

If the listed devices have allocated tracks, request a pool management DRAIN action; otherwise, request a DISABLE action. At completion, the devices are set inactive and the ADD POOL action may be requested again.

EMCU511W

Devices active

Cause

A pool management ADD POOL action was requested to move pool devices from their current pool to the pool specified in the command. However, the devices listed have status ACTIVE and are consequently ineligible to be moved. The return code set is 4 if SKIP was specified and 8 if it was not.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

If the listed devices have allocated tracks, request a pool management DRAIN action; otherwise, request a DISABLE action. At completion, the devices are set inactive and the ADD POOL action may be requested again.

EMCU512E

Devices not in specified pool

Cause

A pool management device command included the POOL keyword to insure that the devices selected for processing belong to the intended pool. However, the devices listed are not in the pool specified. If SKIP is not specified, the command terminates after validation and return code 8 is set; if SKIP is specified, the command processes eligible devices and return code 4 is set.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

Determine whether the listed devices should be processed by a subsequent command.

EMCU512W

Devices not in specified pool

Cause

A pool management device command included the POOL keyword to insure that the devices selected for processing belong to the intended pool. However, the devices listed are not in the pool specified. If SKIP is not specified, the command terminates after

validation and return code 8 is set; if SKIP is specified, the command processes eligible devices and return code 4 is set.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

Determine whether the listed devices should be processed by a subsequent command.

EMCU513E

```
Devices have allocated tracks
```

Cause

A pool management device action, either ADD POOL or REMOVE POOL, was requested that would result in the removal of data or save devices from a pool. However, the devices listed have allocated tracks and cannot be removed from the pool to which they currently belong.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

Request a pool management DRAIN action for the listed devices and check the status of the devices periodically. When the devices have attained inactive status, they will no longer have allocated tracks and the original command may be reissued.

EMCU513W

```
Devices have allocated tracks
```

Cause

A pool management device action, either ADD POOL or REMOVE POOL, was requested that would result in the removal of data or save devices from a pool. However, the devices listed have allocated tracks and cannot be removed from the pool to which they currently belong.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

Request a pool management DRAIN action for the listed devices and check the status of the devices periodically. When the devices have attained inactive status, they will no longer have allocated tracks and the original command may be reissued.

EMCU514E

```
Data devices found but pool is not a thin pool
```

Cause

A pool management ADD POOL action was requested. The device(s) listed were in the device range specified in the command and are thin devices. However, the pool is not a thin pool and consequently only save devices are eligible to be added to the pool.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

This may not indicate an error, since a device range including both data and save devices may have been specified. However, ensure that the correct pool name was specified and that the device range was as intended. Additionally, if the device range is known to contain both data and save devices, ensure that SKIP was specified.

EMCU514W

```
Data devices found but pool is not a thin pool
```

Cause

A pool management ADD POOL action was requested. The device(s) listed were in the device range specified in the command and are thin devices. However, the pool is not a thin pool and consequently only save devices are eligible to be added to the pool.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

This may not indicate an error, since a device range including both data and save devices may have been specified. However, ensure that the correct pool name was specified and that the device range was as intended. Additionally, if the device range is known to contain both data and save devices, ensure that SKIP was specified.

EMCU515E

```
Devices not thin, cannot be bound
```

Cause

A pool management BIND action was requested. The devices listed were in the device range specified in the command but are not thin devices and consequently are not eligible to be bound to a thin pool.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

None.

EMCU515W

```
Devices not thin, cannot be bound
```

Cause

A pool management BIND action was requested. The devices listed were in the device range specified in the command but are not thin devices and consequently are not eligible to be bound to a thin pool.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

None.

EMCU516E

```
Devices not thin, cannot be unbound
```

Cause

A pool management UNBIND action was requested. The devices listed were in the device range specified in the command but are not thin devices and consequently are not eligible to be unbound from a thin pool.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

None.

EMCU516W

```
Devices not thin, cannot be unbound
```

Cause

A pool management UNBIND action was requested. The devices listed were in the device range specified in the command but are not thin devices and consequently are not eligible to be unbound from a thin pool.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

None.

EMCU517E

```
Devices are FBA, pool is CKD
```

Cause

A pool management action was requested, but the device type of the requested devices (FBA) does not match the device type of the existing devices in the pool (CKD).

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

None.

EMCU517W

```
Devices are FBA, pool is CKD
```

Cause

A pool management action was requested, but the device type of the requested devices (FBA) does not match the device type of the existing devices in the pool (CKD).

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

None.

EMCU518E

```
Devices are CKD, pool is FBA
```

Cause

A pool management action was requested, but the device type of the requested devices (CKD) does not match the device type of the existing devices in the pool (FBA).

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

None.

EMCU518W

```
Devices are CKD, pool is FBA
```

Cause

A pool management action was requested, but the device type of the requested devices (CKD) does not match the device type of the existing devices in the pool (FBA).

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

None.

EMCU519E

Devices not bound

Cause

A pool management UNBIND action was requested. The devices listed are not currently bound to a pool and consequently are not eligible to be unbound.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

None.

EMCU519W

Devices not bound

Cause

A pool management UNBIND action was requested. The devices listed are not currently bound to a pool and consequently are not eligible to be unbound.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

None.

EMCU51AE

Devices already bound

Cause

A pool management BIND action was requested. However, the device(s) listed are already bound to a pool to the pool specified in the command, and consequently are not eligible to be bound.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

None.

EMCU51AW

Devices already bound

Cause

A pool management BIND action was requested. However, the device(s) listed are already bound to a pool to the pool specified in the command, and consequently are not eligible to be bound.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

None.

EMCU51BE

Devices mapped and in ready state

Cause

A pool management UNBIND action was requested. The device(s) listed are bound to the

pool specified in the command, but are mapped to a device address and are in the ready state. Such devices cannot be unbound.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

Issue the `USR_NRDY` action for those listed devices that must be unbound. Once the devices are in the not-ready state, the `UNBIND` request may be reissued.

EMCU51BW

Devices mapped and in ready state

Cause

A pool management `UNBIND` action was requested. The device(s) listed are bound to the pool specified in the command, but are mapped to a device address and are in the ready state. Such devices cannot be unbound.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

Issue the `USR_NRDY` action for those listed devices that must be unbound. Once the devices are in the not-ready state, the `UNBIND` request may be reissued.

EMCU51CE

Devices are SRDF devices

Cause

A pool management `UNBIND` action was requested. The devices listed are currently in an SRDF relationship with one or more remote devices. Such devices cannot be unbound.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

If necessary, issue an `#SC VOL RDF_SUSP` command of SRDF Host Component to the R1 device of each pair that includes a listed device. When SRDF replication activity has been terminated, issue an `#SC VOL DELETEDPAIR` command to either member of each pair that includes a listed device. When the SRDF relationships have been removed, rerun the `UNBIND` command.

EMCU51CW

Devices are SRDF devices

Cause

A pool management `UNBIND` action was requested. The devices listed are currently in an SRDF relationship with one or more remove devices. Such devices cannot be unbound.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

If necessary, issue an `#SC VOL RDF_SUSP` command of SRDF Host Component to the R1 device of each pair that includes a listed device. When SRDF replication activity has been terminated, issue an `#SC VOL DELETEDPAIR` command to either member of each pair that includes a listed device. When the SRDF relationships have been removed, the `UNBIND` request may be reissued.

EMCU51DE

Devices are SNAP {source|target} devices

Cause

A pool management UNBIND action was requested. The devices listed are currently source or target devices of a TimeFinder/Clone Mainframe Snap Facility operation, and cannot be unbound.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

Wait until the TimeFinder/Clone Mainframe Snap Facility operation has completed. Then reissue the UNBIND request.

EMCU51DW

Devices are SNAP {source|target} devices

Cause

A pool management UNBIND action was requested. The devices listed are currently source or target devices of a TimeFinder/Clone Mainframe Snap Facility operation, and cannot be unbound.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

Wait until the TimeFinder/Clone Mainframe Snap Facility operation has completed. Then reissue the UNBIND request.

EMCU51EE

Devices are SNAP source devices

Cause

A pool management UNBIND action was requested. The device(s) listed are currently source devices of a TimeFinder/Clone Mainframe Snap Facility operation, and cannot be unbound.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

Wait until the TimeFinder/Clone Mainframe Snap Facility operation has completed. Then reissue the UNBIND request.

EMCU51EW

Devices are SNAP source devices

Cause

A pool management UNBIND action was requested. The device(s) listed are currently source devices of a TimeFinder/Clone Mainframe Snap Facility operation, and cannot be unbound.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

Wait until the TimeFinder/Clone Mainframe Snap Facility operation has completed. Then reissue the UNBIND request.

EMCU51FE

Devices are of type unsupported for thin pools

Cause

A pool management action was requested, but the devices listed are of a device type that is not supported for thin pools.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

None.

EMCU51FW

```
Devices are of type unsupported for thin pools
```

Cause

A pool management action was requested, but the devices listed are of a device type that is not supported for thin pools.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

None.

EMCU520E

```
Devices not log pool devices
```

Cause

A pool management command was issued with an action that affects pool (data or save) devices. The devices listed were in the device range specified in the command but are not pool devices and are consequently not eligible to be processed by the command.

Action

None.

EMCU521I

```
Devices are FBA Meta members
```

Cause

A pool management command was issued with an action that affects thin devices. The devices listed were in the device range specified in the command but are FBA meta members, and consequently are being skipped. An FBA meta member will be processed only if the associated head device is in the specified device range.

Action

None.

EMCU522E

```
Devices busy in background task
```

Cause

A pool management request was received, but there are active tasks on the storage system for the specified devices. Another pool management action is still in progress. Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

Use QUERY commands to check the status of the requested devices and monitor their status for completion of the task. If the task appears to be stuck (that is, not making any progress), ensure there is enough free space in the pool for the operation to complete. If

necessary, add and (or) enable devices in the pool to allow the task to continue.

EMCU522I

Devices busy in background task

Cause

A pool management command was issued with a device-oriented action. The device(s) listed cannot be processed because they are currently being processed by a background task that disallows the requested action. Consequently, the devices are skipped.

Action

None.

EMCU522W

Devices busy in background task

Cause

A pool management request was received, but there are active tasks on the storage system for the specified devices. Another pool management action is still in progress. Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

Use QUERY commands to check the status of the requested devices and monitor their status for completion of the task. If the task appears to be stuck (that is, not making any progress), ensure there is enough free space in the pool for the operation to complete. If necessary, add and (or) enable devices in the pool to allow the task to continue.

EMCU523E

Devices have application sessions

Cause

A pool management command was issued with a device-oriented action. The devices listed cannot be processed because they contain application sessions that disallow the requested action.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

The application that created the session must be used to query and remove it, for example, the Thin Reclaim Utility, TimeFinder/Clone, TimeFinder/Mirror, SRDF/Star, ChangeTracker, and so forth.

EMCU523W

Devices have application sessions

Cause

A pool management command was issued with a device-oriented action. The devices listed cannot be processed because they contain application sessions that disallow the requested action.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

The application that created the session must be used to query and remove it, for example, the Thin Reclaim Utility, TimeFinder/Clone, TimeFinder/Mirror, SRDF/Star,

ChangeTracker, and so forth.

EMCU524E

```
SYSCALL xxxx_xx_xx ERROR, RC nnnnnnnn, OBTAIN TECHNICAL SUPPORT
```

Cause

An error was encountered that is due to a syscall anomaly. The specific problem cannot be corrected without the assistance of technical support. Consequently, the action has failed.

Action

Contact Dell EMC Customer Support. Be ready to provide the error message, the command entered, and maintenance level information for the Dell EMC software you are running.

EMCU525E

```
INTERNAL ERROR xxxxxxxx, OBTAIN TECHNICAL SUPPORT
```

Cause

An error was encountered that is due to a program anomaly. The specific problem cannot be corrected without the assistance of technical support. Consequently, the action has failed. Return code 8 has been set.

Action

Contact Dell EMC Customer Support. Be ready to provide the error message, the command entered, and maintenance level information for the Dell EMC software you are running.

EMCU526E

```
Devices bound to different pool
```

Cause

A pool management request to act on a range of thin devices was received. However, a pool was specified in the command, and the range of devices to be processed includes the listed devices, which are bound to a different pool. These devices will therefore not be processed. Since SKIP was not specified, return code 8 is set, and the command fails with a validation error.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

Reissue the command with the SKIP parameter or adjust the device range specified in the command.

EMCU526I

```
Devices bound to different pool
```

Cause

A pool management request to act on a range of thin devices was received. However, a pool was specified in the command, and the range of devices to be processed includes the listed devices, which are bound to a different pool. These devices will therefore not be processed. Since SKIP was specified, return code 0 is set.

Action

None.

EMCU526W

Devices bound to different pool

Cause

A pool management request to act on a range of thin devices was received. However, a pool was specified in the command, and the range of devices to be processed includes the listed devices, which are bound to a different pool. These devices will therefore not be processed. Since SKIP was not specified, return code 8 is set, and the command fails with a validation error.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

Reissue the command with the SKIP parameter or adjust the device range specified in the command.

EMCU528E

Attempt to add mixed device types to pool *poolname*

Cause

A pool management ADD POOL request to add a range of data devices to an empty thin device pool was received. However, the range of devices to be added to the pool included devices with differing attributes. Depending on the operating environment level of the storage system on which the pool is defined, the conflicting attributes that can cause this error condition include one or more of device emulation, protection mode, storage class, or speed. Return code 8 is set.

Action

Determine the device type that is wanted in the pool. Run ADD POOL specifying a single data device having the required attributes. Then issue an ADD POOL command specifying the original device range and the SKIP parameter.

EMCU529E

Attempt to add non-data devices to thin pool

Cause

A pool management ADD POOL request to add a range of data devices to a thin device pool was received. However, the range of devices to be added to the pool includes non-data devices. Return code 4 is set if SKIP was specified; otherwise, return code 8 is set. Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

This may not indicate an error, since a device range including both data and non-data devices may have been specified. However, insure that the correct pool name was specified and that the device range was as intended. Additionally, if the device range is known to contain both data and non-data devices, insure that SKIP was specified.

EMCU529W

Attempt to add non-data devices to thin pool

Cause

A pool management ADD POOL request to add a range of data devices to a thin device pool was received. However, the range of devices to be added to the pool includes non-data devices. Return code 4 is set if SKIP was specified; otherwise, return code 8 is set. Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

This may not indicate an error, since a device range including both data and non-data devices may have been specified. However, insure that the correct pool name was specified and that the device range was as intended. Additionally, if the device range is known to contain both data and non-data devices, insure that SKIP was specified.

EMCU52AE

Attempt to unbind held devices

Cause

A pool management UNBIND action was requested. The device(s) listed are currently source devices of a TimeFinder/Clone Mainframe Snap Facility operation, and cannot be unbound.

Action

Wait until the TimeFinder/Clone Mainframe Snap Facility operation has completed. Then reissue the UNBIND request.

EMCU52BE

Specified range extends beyond highest Symmetrix device number
syndv#

Cause

A pool or storage group management device-oriented request specified a device range that included at least one device whose device number exceeds the highest device number defined on the storage system (other devices in the specified device range may also be out of range). Command processing is terminated immediately. Return code 8 is set.

Action

Ensure that the device range was specified as intended. If the device range was correctly specified, check whether the location specification in the command identified an unintended storage system. Correct the error and resubmit the command.

EMCU52CE

Devices are GuestOS devices

Cause

An attempt has been made to add inappropriate devices to a storage group. The devices are recognized as GuestOS devices. Since the SKIP parameter was not specified, no devices were processed. Therefore, the command has ended with an error, and return code 8 has been set.

Action

If the requested device numbers were specified incorrectly, correct and reissue the command. If the device numbers were specified correctly, the request cannot be processed for the identified devices.

EMCU52DE

Request not allowed for GuestOS, PowerVault, or ACLX devices

Cause

An attempt has been made to issue a command specifying one or more of the special GuestOS, ACLX, or PowerVault devices. The command has been rejected for those devices.

Action

If necessary, alter the command to specify the appropriate devices and reissue the

command.

EMCU530E

Devices already active

Cause

A pool management action command was issued that would result in the requested device(s) being set active, but the identified devices are already active. Since the SKIP parameter was not specified, no devices were processed. Therefore, the command has ended with an error, and return code 8 has been set.

Action

If the requested device numbers were specified incorrectly, correct and reissue the command. If the device numbers were specified correctly, the request cannot be processed for the identified devices in their current state.

EMCU530I

Devices already active

Cause

A pool management ENABLE request was received, but the requested devices are already active.

Action

None.

EMCU530W

Devices already active

Cause

A pool management action command was issued that would result in the requested device(s) being set active, but the identified devices are already active. Since the SKIP parameter was specified, the identified devices were skipped. Therefore, the command has ended with a warning, and return code 4 has been set.

Action

If the requested device numbers were specified incorrectly, correct and reissue the command. If the device numbers were specified correctly, the request cannot be processed for the identified devices in their current state.

EMCU531E

Devices already inactive

Cause

A pool management action command was issued that would result in the requested device(s) being set inactive, but the identified devices are already inactive. Since the SKIP parameter was not specified, no devices were processed. Therefore, the command has ended with an error, and return code 8 has been set.

Action

If the requested device numbers were specified incorrectly, correct and reissue the command. If the device numbers were specified correctly, the request cannot be processed for the identified devices in their current state.

EMCU531I

Devices already inactive

Cause

A pool management DISABLE request was received, but the requested devices are already inactive.

Action

None.

EMCU531W

Devices already inactive

Cause

A pool management action command was issued that would result in the requested device(s) being set inactive, but the identified devices are already inactive. Since the SKIP parameter was specified, the identified devices were skipped. Therefore, the command has ended with a warning, and return code 4 has been set.

Action

If the requested device numbers were specified incorrectly, correct and reissue the command. If the device numbers were specified correctly, the request cannot be processed for the identified devices in their current state.

EMCU532E

Device types do not match pool type

Cause

A pool management device-oriented request specified a device range that included at least one device whose device type does not match the pool's device type. Command processing is terminated immediately. Return code 8 is set.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

Ensure that the device range was specified as intended. If the device range was correctly specified, check if the specified devices match the device type of the pool. Correct the error and resubmit the command.

EMCU532W

Device types do not match pool type

Cause

A pool management device-oriented request specified a device range that included at least one device whose device type does not match the pool's device type. Command processing is terminated immediately. Return code 8 is set.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

Ensure that the device range was specified as intended. If the device range was correctly specified, check if the specified devices match the device type of the pool. Correct the error and resubmit the command.

EMCU533E

Devices do not match class and/or speed of existing pool devices

Cause

A pool management ADD POOL request to add a range of data devices to a non-empty thin device pool was received. However, the range of devices to be added to the pool included devices with attributes different from those already in the pool. Depending on the operating environment level of the storage system on which the pool is defined, the conflicting attributes that can cause this condition include one or more of device emulation, protection mode, storage class, or speed. Return code 4 is set if SKIP was specified; otherwise, return code 8 is set.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

This may not indicate an error, since a device range including both compatible and incompatible devices may have been specified. However, insure that the correct pool name was specified and that the device range was as intended. Additionally, if the device range is known to contain both compatible and incompatible devices, insure that SKIP was specified.

EMCU533W

Devices do not match class and/or speed of existing pool devices

Cause

A pool management ADD POOL request to add a range of data devices to a non-empty thin device pool was received. However, the range of devices to be added to the pool included devices with attributes different from those already in the pool. Depending on the operating environment level of the storage system on which the pool is defined, the conflicting attributes that can cause this condition include one or more of device emulation, protection mode, storage class, or speed. Return code 4 is set if SKIP was specified; otherwise, return code 8 is set.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

This may not indicate an error, since a device range including both compatible and incompatible devices may have been specified. However, insure that the correct pool name was specified and that the device range was as intended. Additionally, if the device range is known to contain both compatible and incompatible devices, insure that SKIP was specified.

EMCU534I

Devices already bound to specified pool

Cause

A pool management BIND request to bind a range of thin devices to a thin device pool was received. However, the range of devices to be bound to the pool included the listed devices, which are already bound to the specified pool. The listed devices will therefore not be processed Return code 0 is set.

Action

None.

EMCU535I

Devices already in specified pool

Cause

A pool management ADD POOL request to add a range of data devices to a thin device pool was received. However, the range of devices to be added to the pool includes the listed devices, which are already in the specified pool. The listed devices will therefore not

be processed Return code 0 is set.

Action

None.

EMCU536I

Devices already ready

Cause

A pool management USR_RDY request to set a range of thin devices to a ready state was received. However, the range of devices to be processed includes the listed devices, which are already in a ready state. The listed devices will therefore not be processed. Return code 0 is set.

Action

None.

EMCU537I

Devices already not-ready

Cause

A pool management USR_NRDY request to set a range of thin devices to a not-ready state was received. However, the range of devices to be processed includes the listed devices, which are already not-ready. The listed devices will therefore not be processed. Return code 0 is set.

Action

None.

EMCU538I

Devices not bound, cannot be made ready

Cause

A pool management USR_RDY request to set a range of thin devices to a ready state was received. However, the range of devices to be processed includes the listed devices, which are already in the ready state. The listed devices will therefore not be processed. Since SKIP was specified, return code 0 is set.

Action

None.

EMCU539E

Data devices, cannot be made not-ready

Cause

A pool management USR_NRDY request to set a range of devices to a not-ready state was received. However, the range of devices to be processed includes the listed devices, which are data devices, which may not be set not-ready. These devices will therefore not be processed. Since SKIP was not specified, return code 8 is set and the command fails with a validation error.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

Reissue the command with the SKIP parameter or adjust the device range specified in the command.

EMCU539I

Data devices, cannot be made not-ready

Cause

A pool management USR_NRDY request to set a range of devices to a not-ready state was received. However, the range of devices to be processed includes the listed devices, which are data devices, which may not be set not-ready. These devices will therefore not be processed. If SKIP was specified, return code 0 is set. Otherwise, return code 8 is set and the command fails with a validation error.

Action

Reissue the command with the SKIP parameter or adjust the device range specified in the command.

EMCU539W

Data devices, cannot be made not-ready

Cause

A pool management USR_NRDY request to set a range of devices to a not-ready state was received. However, the range of devices to be processed includes the listed devices, which are data devices, which may not be set not-ready. These devices will therefore not be processed. Since SKIP was not specified, return code 8 is set and the command fails with a validation error.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

Reissue the command with the SKIP parameter or adjust the device range specified in the command.

EMCU53AI

Devices not thin, cannot be made not-ready

Cause

A pool management USR_NRDY request to set a range of thin devices to not-ready state was received. However, the range of devices to be processed includes the listed devices, which are not thin devices. These devices will therefore not be processed. If SKIP was specified, return code 0 is set. Otherwise, return code 8 is set and the command fails with a validation error.

Action

Reissue the command with the SKIP parameter or adjust the device range specified in the command.

EMCU53BI

Devices not thin, cannot be made ready

Cause

A pool management USR_RDY request to set a range of thin devices to ready state was received. However, the range of devices to be processed includes the listed devices, which are not thin devices. These devices will therefore not be processed. If SKIP was specified, return code 0 is set. Otherwise, return code 8 is set and the command fails with a validation error.

Action

Reissue the command with the SKIP parameter or adjust the device range specified in the command.

EMCU53CI

```
Devices skipped, not bound to specified pool
```

Cause

A pool management USR_NRDY request to set a range of thin devices to not-ready state was received. However, a pool was specified in the command, and the range of devices to be processed includes the listed devices, which are bound to a different pool. These devices will therefore not be processed. If SKIP was specified, return code 0 is set. Otherwise, return code 8 is set and the command fails with a validation error.

Action

Reissue the command with the SKIP parameter or adjust the device range specified in the command.

EMCU53DE

```
Devices not ready, cannot be added to pool
```

Cause

A pool management ADD POOL request was received, but the devices specified on the command are user not-ready.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

Make the requested devices user-ready using the pool management USR_RDY command, and reissue the ADD POOL command. Typically, the USR_RDY command is used for thin devices, but it can also be used for data devices in the event that they become user not-ready.

EMCU53DW

```
Devices not ready, cannot be added to pool
```

Cause

A pool management ADD POOL request was received, but the devices specified on the command are user not-ready.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

Make the requested devices user-ready using the pool management USR_RDY command, and reissue the ADD POOL command. Typically, the USR_RDY command is used for thin devices, but it can also be used for data devices in the event that they become user not-ready.

EMCU53EE

```
Devices are of mixed protection types or do not match pool protection type
```

Cause

A pool management ADD POOL request was received, but the listed devices are either of mixed protection types or do not match the protection type of the existing devices in the pool.

Action

Reissue the command using devices of the same protection type and matching the protection type of the existing pool devices, if any.

EMCU53EW

```
Devices are of mixed protection types or do not match pool protection type
```

Cause

A pool management ADD POOL request was received, but the listed devices are either of mixed protection types or do not match the protection type of the existing devices in the pool. Since the SKIP parameter was specified, the identified devices were skipped. Therefore, the command has ended with a warning, and return code 4 has been set.

Action

Select devices of the same protection type and matching the protection type of the existing devices in the pool, if any, and reissue the command for those devices.

EMCU53FE

```
PERSIST is valid only if PREALLOC is specified
```

Cause

A pool management request was received, but the PERSIST parameter was specified without the PREALLOC parameter.

Action

Reissue the command using both the PREALLOC and PERSIST parameters.

EMCU540E

```
Invalid alert threshold - valid range for WARN is 25-98 and valid range for CRIT is 26-99
```

Cause

A pool management request was received, but the WARN value and (or) CRIT value specified is invalid.

Action

Reissue the command specifying a WARN value of 25 to 98 and a CRIT value of 26 to 99. If only WARN is specified, the default CRIT value of 80 is used. If only CRIT is specified, the default WARN value of 70 is used.

EMCU541E

```
Devices are active
```

Cause

A pool management request was received, but one or more devices are active, and active devices are not allowed for the requested action.

Action

Reissue the command after disabling the requested devices using the DISABLE command.

EMCU542E

```
Not enough space on pool devices
```

Cause

A pool management request was received, but there is not enough space on the active devices in the pool to complete the request.

Action

Add more devices to the pool and (or) enable inactive devices in the pool, and reissue the command.

EMCU543E

There is already a GPM command in progress - please reissue when the command is complete

Cause

A pool management request was received, but a previous command is still in progress.

Action

Reissue the command after the previous command completes.

EMCU544E

Virtual memory exhausted - increase REGION size (i.e., add REGION=0M to JOB and/or EXEC statement)

Cause

A pool management request was received, but there was not enough virtual memory to complete the request.

Action

Increase the REGION size by adding REGION=0M to the JOB statement and (or) EXEC statement, and reissue the command.

EMCU546E

Devices have a DRAIN task in progress - please retry when the task is complete

Cause

A pool management request was received, but the requested devices currently have a drain task in progress on the storage system, which is not allowed for the requested action.

Action

Wait for the drain task to complete, or use the HDRAIN command to halt the drain task on the devices, and reissue the command.

EMCU547E

Devices were only partially preallocated due to insufficient space on pool devices

Cause

A pool management request was received that attempted to fully preallocate the requested devices; however there was insufficient space on the active pool devices to fully preallocate them. As a result, one or more of the requested devices were only partially preallocated.

Action

Add more devices to the pool and (or) enable inactive devices in the pool, and reissue the command.

EMCU548E

UNBIND not allowed for XRC devices

Cause

A pool management UNBIND request was received, but one or more of the requested devices are in an XRC relationship, which is not allowed for the UNBIND action.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

Use XRC to remove the XRC sessions, and reissue the command.

EMCU548W

UNBIND not allowed for XRC devices

Cause

A pool management UNBIND request was received, but one or more of the requested devices are in an XRC relationship, which is not allowed for the UNBIND action.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

Use XRC to remove the XRC sessions, and reissue the command.

EMCU549E

Command is unsupported on controller

Cause

A pool management request was received, but the requested action is not supported on the executing director on the storage system.

Action

Reissue the command on a storage system that supports the requested action. See the *ResourcePak Base for z/OS Product Guide* for information about the required operating environment levels.

EMCU550E

Command failed to complete in the allotted time - check device status

Cause

A pool management request was received, but the task on the storage system is still in progress, most likely because the request contains large devices or a large number of devices.

Action

Use QUERY commands to check the status of the requested devices and monitor their status for completion of the task.

EMCU551E

Symmetrix task ended in error

Cause

A pool management request was received, but the task that was created to process the action on the storage system ended in error.

Action

Ensure that the parameters were specified correctly, check the state of the requested

devices, and reissue the command. Contact the Dell EMC Customer Support Center if the problem persists.

EMCU552E

```
Symmetrix task is halted
```

Cause

A pool management request was received, but the task that was created to process the action on the storage system was halted.

Action

Check the state of the requested devices, and reissue the command. Contact the Dell EMC Customer Support Center if the problem persists.

EMCU553E

```
Symmetrix task is still running - check device status to verify completion
```

Cause

A pool management request was received, but the task on the storage system is still in progress, most likely because the request contains large devices or a large number of devices. This message can also occur because there is not enough free space in the pool for the task to continue.

Action

Use QUERY commands to check the status of the requested devices and monitor their status for completion of the task. If the task appears to be stuck (i.e., not making any progress), ensure there is enough free space in the pool for the operation to complete. If necessary, add and (or) enable devices in the pool to allow the task to continue.

EMCU554E

```
Symmetrix task could not start for devices - check device state
```

Cause

A pool management request was received, but the task on the storage system that was created to process the action could not start.

Action

Ensure that the parameters were specified correctly, check the state of the requested devices, and reissue the command. Contact the Dell EMC Customer Support Center if the problem persists.

EMCU555E

```
Draining devices are waiting for free space in pool to complete drain - ADD and/or ENABLE other pool devices
```

Cause

A pool management DRAIN request was received, but the task on the storage system that was created to process the request cannot complete the drain process because there is not enough space on the other active devices in the pool.

Action

Add more devices to the pool and (or) enable inactive devices in the pool so there is enough free space in the pool for the requested devices to complete draining.

EMCU556E

```
Symmetrix task failed due to not enough space in pool - ADD and/or  
ENABLE pool devices and reissue
```

Cause

A pool management request was received, but the task on the storage system that was created to process the action could not compete because there is not enough free space on the active devices in the pool.

Action

Add more devices to the pool and (or) enable inactive devices in the pool, and reissue the command.

EMCU558E

```
Symmetrix task ended in error because devices could not be bound -  
check device state
```

Cause

A pool management request to bind the requested devices was received, but the task that was created on the storage system to process the action ended in error because the devices could not be bound.

Action

Ensure that the parameters were specified correctly, check the state of the requested devices, and reissue the command. Contact the Dell EMC Customer Support Center if the problem persists.

EMCU560E

```
Symmetrix task ended in error because deallocation for devices  
failed - check device state
```

Cause

A pool management request that required deallocation of the requested devices was received, but the task that was created on the storage system to process the action ended in error because the devices could not be deallocated.

Action

Ensure that the parameters were specified correctly, check the state of the requested devices, and reissue the command. Contact the Dell EMC Customer Support Center if the problem persists.

EMCU562E

```
Symmetrix task ended in error because devices could not be unbound  
- check device state
```

Cause

A pool management request to unbind the requested devices was received, but the task that was created on the storage system to process the action ended in error because the devices could not be unbound.

Action

Ensure that the parameters were specified correctly, check the state of the requested devices, and reissue the command. Contact the Dell EMC Customer Support Center if the problem persists.

EMCU563E

```
Devices have protected tracks
```

Cause

A pool management request was received, but the requested devices have protected tracks, which are not allowed for the requested action.

Action

Protected tracks are typically the result of a copy operation. Wait for the copy operation to complete, or use the application that created the protected tracks to stop the copy operation, and reissue the command.

EMCU564E

```
Devices identified as incomplete could not be drained due to not
enough space on other pool devices
```

Cause

A pool management DRAIN request was received, but the devices identified as incomplete could not be drained because there is not enough free space on the other active devices in the pool.

Action

Add more devices to the pool and (or) enable inactive devices in the pool, and reissue the command.

EMCU565E

```
Devices identified as incomplete are inactive because they are not
draining or are already drained
```

Cause

A pool management HDRAIN request was received, but the devices identified as incomplete were not made active as a result of the halt-drain because they were either not draining or had already finished draining. Draining was not halted for these devices, and they remain in an inactive state.

Action

None.

EMCU566E

```
Maximum number of pools supported on Symmetrix has been reached -
delete unused pools and retry
```

Cause

A pool management CREATE POOL request was received, but the requested pool could not be created because the maximum number of device pools supported on the storage system has been reached.

Action

Use the DISPLAY command to list the pools on the storage system, delete an unused pool using the DELETE POOL command, and reissue the CREATE POOL command to create the requested pool.

EMCU567E

```
Maximum oversubscription rate for pool poolname is zero (i.e., the
pool is locked)
```

Cause

A pool management request was received, but the maximum oversubscription rate for the requested pool is zero, meaning the pool is locked and therefore cannot be processed.

Action

Run the POOLATTR command to change the max oversubscription rate (MAXOSUB) for the pool to anything other than zero, and reissue the command.

EMCU568E

```
One or more devices have online paths
```

Cause

A pool management USR_NRDY or UNBIND request was received, but the requested devices have online paths, that is, they are online to a host.

Action

See message EMCU569E for more information, including the devices that have online paths and what systems they are currently online to. Vary the devices offline to each system where they are online, and reissue the command.

EMCU569E

```
Device symdv# (symm-serial) is online to system(s): system-list
```

Cause

A pool management USR_NRDY or UNBIND request was received, but the indicated device was online to the systems indicated by *system-list*. If the device was online to multiple systems, the other systems to which it was online are shown on the subsequent lines.

Action

Vary the devices offline to each system where they are online, and rerun the command.

EMCU570W

```
FORCE was specified causing some validation to be bypassed -  
ineligible devices may have been processed
```

Cause

A pool management request was received, and the FORCE parameter was specified, causing some validation to be bypassed. As a result, some devices that would normally be ineligible may have been processed.

Action

None.

EMCU571E

```
Snap pools are not supported for microcode level (microcode level  
must be 5x71 or greater)
```

Cause

A pool management request was received, but the operating environment level of the storage system does not support snap pools. Snap pools are supported with Enginuity 5x71 or a later level of the operating environment.

Action

If the command was issued to the wrong storage system, correct and reissue the command. Otherwise, issue the command to a storage system running Enginuity 5x71 or a later level of the operating environment.

EMCU572E

DSE pools are not supported for microcode level (microcode level must be 5x72 or greater)

Cause

A pool management request was received, but the operating environment level of the storage system does not support DSE pools. DSE pools are supported with Enginuity 5x72 or a later level of the operating environment.

Action

If the command was issued to the wrong storage system, correct and reissue the command. Otherwise, issue the command to a storage system running Enginuity 5x72 or a later level of the operating environment.

EMCU573E

Thin pools are not supported for microcode level (microcode level must be 5x73 or greater)

Cause

A pool management request was received, but the operating environment level of the storage system does not support thin pools. Thin pools are supported with Enginuity 5x73 or a later level of the operating environment.

Action

If the command was issued to the wrong storage system, correct and reissue the command. Otherwise, issue the command to a storage system running Enginuity 5x73 or a later level of the operating environment.

EMCU574E

Devices are in an incompatible state (e.g., device NR or RDF NR) - correct device state and reissue

Cause

A pool management request was received, but the requested devices are in an incompatible state (for example, device not ready or SRDF not ready).

Action

Correct the device state using the appropriate application, and reissue the command.

EMCU575E

Warning alert threshold (WARN) must be less than the critical alert threshold (CRIT)

Cause

A pool management POOLATTR request was received, but the specified warning alert threshold (WARN) is greater than the critical alert threshold (CRIT). This can occur because the specified WARN value is greater than the default CRIT value of 80 or the CRIT value specified on the command, or the specified CRIT value is less than the default WARN value of 70 or the WARN value specified on the command.

Action

On the POOLATTR command, specify a warning alert threshold (WARN) less than the critical alert threshold (CRIT), and reissue the command. WARN can range from 25 to 98 but must be less than the default CRIT value of 80 or the CRIT value specified on the command. CRIT can range from 26-99 but must be greater than the default WARN value of 70 or the WARN value specified on the command.

EMCU576E

No devices in pool *poolname*

Cause

A pool management request was received, but there are no devices in the specified pool.

Action

Ensure that the correct pool name was specified. If the pool name was specified incorrectly, fix it and reissue the command. If the pool name was specified correctly, add devices to the pool using ADD POOL, enable the pool devices using ENABLE, and reissue the command.

EMCU577W

No allocations in pool *poolname*

Cause

A pool management QUERY ALLOC ALLALLOCS request was received, but there are no allocations in the specified pool to display.

Action

Ensure that the correct pool name and (or) thin device numbers were specified. If the pool name and (or) thin device numbers were specified incorrectly, correct and reissue the command. If the command was specified correctly, allocate data to the thin devices, and reissue the command.

EMCU578E

Thin FBA is not supported for microcode level (microcode level must be 5x73 or greater)

Cause

A pool management request was received, but the operating environment level of the storage system does not support thin FBA devices. Thin FBA devices are supported with Enginuity 5x73 or a later level of the operating environment.

Action

If the command was issued to the wrong storage system, correct and reissue the command. Otherwise, issue the command to a storage system running Enginuity 5x73 or a later level of the operating environment.

EMCU579E

Thin CKD is not supported for microcode level (microcode level must be 5x76 or greater)

Cause

A pool management request was received, but the operating environment level of the storage system does not support thin CKD devices. Thin CKD devices are supported with Enginuity 5x76 or a later level of the operating environment.

Action

If the command was issued to the wrong storage system, correct and reissue the command. Otherwise, issue the command to a storage system running Enginuity 5x76 or a later level of the operating environment.

EMCU580E

One or more devices already have a DRAIN task in progress

Cause

A pool management DRAIN request was received, but there is already a DRAIN task in

progress for one or more of the specified devices.

Action

Ensure that the requested pool devices were specified correctly. If the device numbers were specified incorrectly, correct and reissue the command. If the device numbers were specified correctly, query the pool devices and wait for the devices that are already draining to complete before reissuing the command.

EMCU581I

```
PERSIST command found with no option specified - defaulting to  
PERSIST OFF
```

Cause

A pool management PERSIST request was received, but no option was specified, so the default setting of PERSIST OFF was used.

Action

None.

EMCU582E

```
Devices are Space Efficient FlashCopy devices, which are not  
supported for the requested operation
```

Cause

A pool management request was received, but the specified thin devices are Space Efficient FlashCopy devices, which are not supported for the requested operation. Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

Ensure that the requested thin devices were specified correctly. If the thin device numbers were specified incorrectly, correct and reissue the command. Otherwise, the requested command is not supported for the specified thin devices.

EMCU582W

```
Devices are Space Efficient FlashCopy devices, which are not  
supported for the requested operation
```

Cause

A pool management request was received, but the specified thin devices are Space Efficient FlashCopy devices, which are not supported for the requested operation. Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

Ensure that the requested thin devices were specified correctly. If the thin device numbers were specified incorrectly, correct and reissue the command. Otherwise, the requested command is not supported for the specified thin devices.

EMCU583E

```
Invalid thin device specified
```

Cause

A pool management request was received, but the specified devices are not thin devices and are therefore not supported for the requested operation.

Action

Correct the specified thin device numbers, and reissue the command.

EMCU584E

```
Request timed out due to a resource limitation on the Symmetrix -  
please try again later
```

Cause

A pool management request was received, but the request timed out on the storage system due to a resource limitation.

Action

Wait until the storage system is less busy, and reissue the command. If the problem persists, contact Dell EMC Customer Support.

EMCU585W

```
MOVE background task is waiting for free space in the pool - ADD  
and/or ENABLE pool devices for the task to continue
```

Cause

A pool management MOVE request was received, but there is not enough free space in the target pool for the MOVE background task on the storage system to continue.

Action

Add and (or) enable data devices in the target pool, and ensure there is enough free space in the pool for the operation to complete. Once data devices with free space are enabled in the target pool, the MOVE task will continue. The MOVE task will not complete unless there is enough free space in the target pool to hold all of the tracks being moved.

EMCU586E

```
Invalid pool device specified
```

Cause

A pool management request was received, but the requested devices do not match the type of the specified pool. If the specified pool is a thin pool, the requested devices are not data devices. If the specified pool is a Snap pool or DSE pool, the requested devices are not save devices. Therefore, the specified devices are not supported for the requested operation.

Action

If the specified pool is a thin pool, data devices must be specified. If the specified pool is a Snap pool or DSE pool, save devices must be specified. Correct the specified device numbers, and reissue the command.

EMCU587E

```
I/O error occurred while issuing command to Symmetrix
```

Cause

A pool management request was received, but an I/O error occurred while issuing the request to the storage system. The I/O was retried numerous times but was unsuccessful.

Action

Ensure that the gatekeeper CUU was specified correctly and is accessible. If there is a problem with the gatekeeper device, correct the problem and reissue the command. If the gatekeeper device was specified correctly and is accessible, wait until the storage system is less busy, and reissue the command. If the problem persists, contact Dell EMC Customer Support.

EMCU588E

```
Symmetrix API call failed (xx/xx/xx/xxxx)
```

Cause

A pool management request was received, but a Symmetrix API error occurred that prevented the command from completing successfully.

The information in the message specified in parenthesis is for Dell EMC use and identifies the first two letters of the API call, and the EMCRC, EMCRS, and EMCRCX codes, respectively.

Action

Ensure that the gatekeeper CUU and device numbers were specified correctly and are accessible. If there is a problem with the gatekeeper or devices specified, correct the problem and reissue the command. If an abend occurred, the completion code may give an indication as to what the problem is.

For example, if an S878 abend occurred, increase the region size on the job. If the gatekeeper and device numbers were specified correctly and no abend occurred, try reissuing the command. If the problem persists, contact Dell EMC Customer Support.

EMCU589E

```
At least one thin device is bound, and the following device is the last active data device in the pool
```

Cause

A pool management DISABLE request was received, but the device number listed is the last active data device in the pool and cannot be disabled while there are thin devices bound to the pool. Since there are one or more thin devices bound, the pool must contain at least one active data device.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

If the DISABLE command for all devices in the pool was issued intentionally, the thin devices bound to the pool must first be unbound before the last active data device can be disabled. UNBIND all thin devices bound to the pool, and reissue the DISABLE command for the remaining active data device.

If the DISABLE command for all devices in the pool was issued accidentally, use the ENABLE command to re-enable the devices as soon as possible.

EMCU589W

```
At least one thin device is bound, and the following device is the last active data device in the pool
```

Cause

A pool management DISABLE request was received, but the device number listed is the last active data device in the pool and cannot be disabled while there are thin devices bound to the pool. Since there are one or more thin devices bound, the pool must contain at least one active data device.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

If the DISABLE command for all devices in the pool was issued intentionally, the thin devices bound to the pool must first be unbound before the last active data device can be disabled. UNBIND all thin devices bound to the pool, and reissue the DISABLE command for the remaining active data device.

If the DISABLE command for all devices in the pool was issued accidentally, use the ENABLE command to re-enable the devices as soon as possible.

EMCU590E

```
At least one thin device is bound, and the following is the last data device in the pool and should be enabled
```

Cause

A pool management REMOVE POOL request was received, but the device number listed is the last data device in the pool and cannot be removed while there are thin devices bound to the pool. Since there are one or more thin devices bound, the pool must contain at least one active data device.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

If the REMOVE POOL command for all devices in the pool was issued intentionally, the thin devices bound to the pool must first be unbound before the last data device can be removed. UNBIND all thin devices bound to the pool, and then reissue the REMOVE POOL command for the remaining data device.

If the REMOVE POOL command for all devices in the pool was issued accidentally, use the ENABLE command to re-enable the devices as soon as possible. Since there are one or more thin devices bound, there must be at least one active data device in the pool.

EMCU590W

```
At least one thin device is bound, and the following is the last data device in the pool and should be enabled
```

Cause

A pool management REMOVE POOL request was received, but the device number listed is the last data device in the pool and cannot be removed while there are thin devices bound to the pool. Since there are one or more thin devices bound, the pool must contain at least one active data device.

Note that this device-oriented message is returned with an E suffix when SKIP is not specified and a W suffix when SKIP is specified.

Action

If the REMOVE POOL command for all devices in the pool was issued intentionally, the thin devices bound to the pool must first be unbound before the last data device can be removed. UNBIND all thin devices bound to the pool, and then reissue the REMOVE POOL command for the remaining data device.

If the REMOVE POOL command for all devices in the pool was issued accidentally, use the ENABLE command to re-enable the devices as soon as possible. Since there are one or more thin devices bound, there must be at least one active data device in the pool.

EMCU591E

```
RACF security check failed - user lacks sufficient access authority
```

Cause

A pool management action command was issued, but the user lacks update access authority for the resource name EMC.ADMIN.CMD.GPM.

Action

Contact your security administrator to obtain update access authority for the resource name EMC.ADMIN.CMD.GPM, and reissue the command.

EMCU592E

`SRCPOOL(poolname)` required for action, not specified

Cause

A pool management command was entered. The requested action requires the SRCPOOL keyword parameter specifying the source pool name. The SRCPOOL parameter was not present, therefore the command failed with a return code of 8.

Action

Include the SRCPOOL keyword parameter specifying a valid pool name for the source pool, and resubmit the command.

EMCU593E

`Devices not bound to specified pool`

Cause

A pool management action command was issued. The requested devices are not currently bound to the specified pool and are therefore not eligible for processing. Consequently, the action has failed. Return code 8 has been set.

Action

Ensure the requested device numbers and pool name were specified correctly. If the device numbers or pool name were specified incorrectly, correct and reissue the command.

EMCU594E

`No active data devices in target pool`

Cause

A pool management action command was issued that would cause thin devices to be rebound to the target pool specified, but there are no active data devices in that pool. Consequently, the action has failed. Return code 8 has been set.

Action

Add and (or) enable devices in the target pool, and reissue the command.

EMCU595E

`Background task already in progress`

Cause

A pool management action command was issued, but there is already a background task in progress for the requested pool or devices. Consequently, the action has failed. Return code 8 has been set.

Action

Ensure that the requested pool name and (or) device numbers were specified correctly. If the pool name and (or) device numbers were specified incorrectly, correct and reissue the command. If the command was specified correctly, use queries to monitor the current task for completion. Once the current task is complete, reissue the command.

EMCU596E

`Processing devices would cause maximum oversubscription ratio of pool to be exceeded`

Cause

A pool management action command was issued, but the successful completion of this action would cause the maximum oversubscription ratio of the pool to be exceeded. Consequently, the action has failed. Return code 8 has been set.

Action

If necessary and appropriate, either add and (or) enable data devices in the pool, UNBIND thin devices from the pool, or decrease the maximum oversubscription ratio of the pool using the POOLATTR command. After correcting the problem, reissue the command.

EMCU597E

```
COMPRESSION parameter is invalid - pool poolname is not thin
```

Cause

A pool management action command was issued specifying the COMPRESSION(ENABLE|DISABLE) parameter, and an explicit pool name was specified via the POOL keyword parameter. However, the specified pool is not a thin pool. Consequently, the command has failed. Return code 8 has been set.

Action

Determine whether an incorrect pool name was specified on the command, or if the pool type was specified incorrectly when the pool was created. If the pool name was specified incorrectly, reissue the command specifying the correct pool name. If the pool was created incorrectly, it may be appropriate to delete and recreate the pool before reissuing the command.

EMCU598E

```
Compression is disabled for pool - use POOLATTR with  
COMPRESSION(ENABLE) to enable compression and reissue command
```

Cause

A pool management COMPRESS command was issued. The specified thin pool is not enabled for compression, therefore thin devices bound to that pool are not eligible to be compressed. Consequently, the command has failed. Return code 8 has been set.

Action

Enable compression for the requested thin pool using the POOLATTR command with COMPRESSION(ENABLE) parameter, and reissue the command.

EMCU599E

```
Processing devices would increase pool usage for active devices to  
greater than 90% used
```

Cause

A pool management action command was issued, but the successful completion of this action would cause the percentage used for the pool to exceed 90%. Since SKIP was not specified, the action has failed, and return code 8 has been set.

Action

If necessary and appropriate, either add and (or) enable data devices in the pool or UNBIND thin devices from the pool, to decrease the percentage used for the pool. Then reissue the command.

EMCU599W

```
Processing devices would increase pool usage for active devices to  
greater than 90% used
```

Cause

A pool management action command was issued, but the successful completion of this action would cause the percentage used for the pool to exceed 90%. Since SKIP was specified, the command has ended with a warning, and return code 4 has been set.

Action

If necessary and appropriate, either add and (or) enable data devices in the pool or UNBIND thin devices from the pool, to decrease the percentage used for the pool. Then reissue the command.

EMCU600E

```
Cannot process devices because no more than 20% of devices in pool  
can be drained at once
```

Cause

A pool management DRAIN command was issued, but the successful completion of this action would start the draining of more than 20% of the devices in the pool at once. Since SKIP was not specified, the action has failed, and return code 8 has been set.

Action

If necessary and appropriate, either add more data devices to the pool so you are able to drain a greater number of devices at once or specify a smaller range of devices on the command. Then reissue the DRAIN command specifying no more than 20% of the devices in the pool.

EMCU600W

```
Cannot process devices because no more than 20% of devices in pool  
can be drained at once
```

Cause

A pool management DRAIN command was issued, but the successful completion of this action would start the draining of more than 20% of the devices in the pool at once. Since SKIP was specified, the action has ended with a warning, and return code 4 has been set.

Action

If necessary and appropriate, either add more data devices to the pool so you are able to drain a greater number of devices at once or specify a smaller range of devices on the command. Then reissue the DRAIN command specifying no more than 20% of the devices in the pool.

EMCU601E

```
Pool is enabled for compression, and the following device is the  
last active data device in the pool
```

Cause

A pool management DISABLE command was issued. The listed device is the last active data device in the pool and cannot be disabled because the pool is enabled for compression. Since SKIP was not specified, the command has failed, and return code 8 has been set.

Action

Disable compression for the requested thin pool using the POOLATTR command with the COMPRESSION(DISABLE) parameter, and reissue the DISABLE command.

EMCU601W

```
Pool is enabled for compression, and the following device is the
```

last active data device in the pool

Cause

A pool management DISABLE command was issued. The listed device is the last active data device in the pool and cannot be disabled because the pool is enabled for compression. Since SKIP was specified, the command has ended with a warning, and return code 4 has been set.

Action

Disable compression for the requested thin pool using the POOLATTR command with the COMPRESSION(DISABLE) parameter, and reissue the DISABLE command.

EMCU602E

Cannot MOVE devices from a compression enabled pool to a pool not enabled for compression

Cause

A pool management MOVE command was issued. The requested devices could not be moved because the source pool is enabled for compression, and the target pool has compression disabled. Consequently, the command has failed. Return code 8 has been set.

Action

Either enable compression for the target pool using the POOLATTR command with the COMPRESSION(ENABLE) parameter, or DECOMPRESS any compressed thin devices in the source pool and disable compression for the source pool using the POOLATTR command with the COMPRESSION(DISABLE) parameter. Then reissue the MOVE command.

EMCU603E

Can only set MAXOSUB to a value greater than the current oversubscription ratio of the pool

Cause

A pool management action command was issued that would set the maximum oversubscription ratio for the requested pool, but the value specified for MAXOSUB is not greater than the current oversubscription ratio of the pool, which is not allowed. Consequently, the command has failed, and return code 8 has been set.

Action

If the requested MAXOSUB value was specified incorrectly, correct and reissue the command. If the command was specified correctly, the current oversubscription ratio of the pool must be decreased to less than the desired maximum oversubscription ratio before MAXOSUB can be set to that value. The current oversubscription ratio of the pool can be decreased by adding more data devices to the pool or unbinding thin devices from the pool, either of which should only be done if necessary and appropriate.

EMCU604E

Level mismatch between GPM modules - for compatibility, all modules must be at the same level

Cause

A pool management command was issued, but there is level mismatch between GPM modules. For compatibility purposes, all GPM modules must be at the same level. Consequently, the command has failed, and return code 8 has been set.

Action

Ensure that the SCFMAIN step in your SCF PROC and your ESFGPMBT batch job have the same STEPLIB concatenation. If the STEPLIB in your batch job was specified

incorrectly, is not up to date, or is missing, then correct it and re-issue the command. If the STEPLIB for the SCFMAIN step in your SCF PROC was specified incorrectly, is not up to date, or is missing, then correct it, restart your SCF, and reissue the command.

EMCU605E

```
Command is greater than 256 characters in length
```

Cause

A pool management action command was issued, but the command is greater than 256 characters in length, which is not allowed. Consequently, the command has failed, and return code 8 has been set.

Action

If the command was specified incorrectly, correct and reissue the command. If the command was specified correctly, decrease the number of optional parameters until the command is less than 256 characters in length, and reissue the command.

EMCU606I

```
Thin Reclaim Utility call failed - ensure TRU is enabled and devices are included for monitoring by TRU
```

Cause

A pool management action command was issued, but a call to the Thin Reclaim Utility failed. This failure does not affect the return code.

Action

If the requested command was specified incorrectly, correct and reissue the command. If the command was specified correctly, ensure the requested devices are included in SCF, the Thin Reclaim Utility is enabled, and the devices are included for monitoring by TRU.

EMCU607E

```
Cannot MOVE compressed devices to a pool not enabled for compression
```

Cause

A pool management MOVE command was issued. The requested devices could not be moved because the source pool is enabled for compression, and at least one of the requested devices has compressed allocations. Consequently, the command has failed, and return code 8 has been set.

Action

Either enable compression for the target pool using the POOLATTR command with the COMPRESSION(ENABLE) parameter, or DECOMPRESS all of the requested devices that have compressed allocations. Then reissue the MOVE command.

EMCU609I

```
Waiting for compression to {enable|disable} for pool poolname
```

Cause

A pool management POOLATTR command was issued with the COMPRESSION(ENABLE) or COMPRESSION(DISABLE) parameter. The specified pool is in the process of enabling or disabling, and the command will complete when the process is complete.

Action

None.

EMCU610W

```
Compression not yet enabled - verify that there are active data
devices with free space in pool
```

Cause

A pool management POOLATTR command was issued with the COMPRESSION(ENABLE) parameter. After 15 minutes, compression is still not fully enabled for the specified pool. Consequently, the command has ended with a warning, and return code 4 has been set.

Action

Ensure that there are active data devices with free space in the specified pool. If not, add to and (or) enable data devices in the pool. Monitor the compression status of the pool for completion using the pool list DISPLAY command.

EMCU611W

```
Compression not yet disabled - verify that all thin devices bound
to pool have been decompressed
```

Cause

A pool management POOLATTR command was issued with the COMPRESSION(DISABLE) parameter. After 15 minutes, compression is still not fully disabled for the specified pool. Consequently, the command has ended with a warning, and return code 4 has been set.

Action

Ensure that all thin devices bound to the specified pool have been decompressed. If not, DECOMPRESS all thin devices bound to the pool. Monitor the compression status of the pool for completion using the pool list DISPLAY command.

EMCU612I

```
Compression status for pool poolname: {Enabled|Disabled}
```

Cause

A pool management POOLATTR command was issued with the COMPRESSION(ENABLE) or COMPRESSION(DISABLE) parameter. Compression is now fully enabled or disabled for the specified pool. Consequently, the command has completed successfully.

Action

None.

EMCU613I

```
Thin Reclaim Utility session successfully removed for devices
```

Cause

A pool management UNBIND command was issued. A Thin Reclaim Utility application session was successfully removed for at least one of the requested devices.

Action

None.

EMCU614E

```
Device in range has application session application-id
(application-name)
```

Cause

A pool management UNBIND command was issued, but one or more of the requested thin devices has at least one application session, which is not allowed. The application ID is supplied in the message, and if it is a known application, the application name is also supplied. Consequently, the command has failed, and return code 8 has been set.

Action

If the requested device numbers were specified incorrectly, correct and reissue the command. If the command was specified correctly, all application sessions must be removed from the requested thin devices using the application that created them. After all application sessions have been removed, reissue the UNBIND command.

EMCU615E

```
Devices are in the default pool
```

Cause

A pool management action command was issued, but the identified devices are in the default pool, which is not allowed. Since the SKIP parameter was not specified, no devices were processed. Therefore, the command has ended with an error, and return code 8 has been set.

Action

If the requested device numbers were specified incorrectly, correct and reissue the command. If the device numbers were specified correctly, the request cannot be processed for the identified devices until they are added to a user pool.

EMCU615W

```
Devices are in the default pool
```

Cause

A pool management action command was issued, but the identified devices are in the default pool, which is not allowed. Since the SKIP parameter was specified, the identified devices were skipped. Therefore, the command has ended with a warning, and return code 4 has been set.

Action

If the requested device numbers were specified incorrectly, correct and reissue the command. If the device numbers were specified correctly, the request cannot be processed for the identified devices until they are added to a user pool.

EMCU616I

```
Waiting for Symmetrix background task to complete for devices
```

Cause

A pool management action command was issued with the WAIT parameter. The request has been submitted to the storage system for execution as a background task. Periodic polling for completion of the task is performed.

Action

None.

EMCU617I

```
Waiting for taskname task to complete for pool poolname
```

Cause

A pool management action command was issued with the WAIT parameter. The request has been submitted to the storage system for execution as a background task. Periodic

polling for completion of the task is performed.

Action

None.

EMCU618I

```
Task status for pool poolname: task-status - Status checks  
remaining: polls-remaining
```

Cause

A pool management action command was issued with the WAIT parameter. The request has been submitted to the storage system for execution as a background task. Periodic polling for completion of the task is performed. This message indicates the name of the requested pool, its current status (for example, Rebalancing), and the number of status checks remaining before the command will time out if the task is not yet complete.

Action

None.

EMCU619I

```
taskname task complete for pool poolname
```

Cause

A pool management action command was issued. The request was submitted to the storage system for execution as a background task, and the task is now complete.

Action

None.

EMCU619W

```
taskname task still active for pool poolname
```

Cause

A pool management action command was issued with the WAIT parameter. The request was submitted to the storage system for execution as a background task, but GPM timed out waiting for it to complete. The background task is still in progress on the storage system. Since GPM was unable to verify successful completion of the task, the command has ended with a warning, and return code 4 has been set.

Action

Monitor the status of the background task using the appropriate QUERY (or DISPLAY) command, and verify successful completion of the task.

EMCU620I

```
Symmetrix task submitted for execution and will continue in  
background
```

Cause

A pool management action command was issued, but the WAIT parameter was not specified. The request has been submitted to the storage system for execution and will continue running in the background.

Action

Monitor the status of the background task using the appropriate QUERY (or DISPLAY) command, and verify successful completion of the task.

EMCU621E

No active data devices with free space in pool

Cause

A pool management action command was issued that requires free space on active devices in the pool. Either all devices are inactive, or the active devices are full. Consequently, the command has failed, and return code 8 has been set.

Action

If the requested devices and (or) pool name was specified incorrectly, correct and reissue the command. If the command was specified correctly, add and (or) enable devices in the pool, and reissue the command.

EMCU622E

Specified pool is unavailable

Cause

A pool management action command was issued, but the specified pool is unavailable. Consequently, the command has failed, and return code 8 has been set.

Action

If the requested pool name was specified incorrectly, correct and reissue the command. If the command was specified correctly, add new devices to the pool, enable the devices, and reissue the command. If the problem persists, contact Dell EMC Technical Support for assistance.

EMCU623E

Devices are not data devices

Cause

A pool management action command was issued for a thin pool, but the identified devices are not data devices. Since the SKIP parameter was not specified, no devices were processed. Therefore, the command has ended with an error, and return code 8 has been set.

Action

If the requested device numbers were specified incorrectly, correct and reissue the command. If the device numbers were specified correctly, the request cannot be processed for the identified devices given the specified pool.

EMCU623W

Devices are not data devices

Cause

A pool management action command was issued for a thin pool, but the identified devices are not data devices. Since the SKIP parameter was specified, the identified devices were skipped. Therefore, the command has ended with a warning, and return code 4 has been set.

Action

If the requested device numbers were specified incorrectly, correct and reissue the command. If the device numbers were specified correctly, the request cannot be processed for the identified devices given the specified pool.

EMCU624E

Devices are not save devices

Cause

A pool management action command was issued for a Snap pool or DSE pool, but the identified devices are not save devices. Since the SKIP parameter was not specified, no devices were processed. Therefore, the command has ended with an error, and return code 8 has been set.

Action

If the requested device numbers were specified incorrectly, correct and reissue the command. If the device numbers were specified correctly, the request cannot be processed for the identified devices given the specified pool.

EMCU624W

```
Devices are not save devices
```

Cause

A pool management action command was issued for a Snap pool or DSE pool, but the identified devices are not save devices. Since the SKIP parameter was specified, the identified devices were skipped. Therefore, the command has ended with a warning, and return code 4 has been set.

Action

If the requested device numbers were specified incorrectly, correct and reissue the command. If the device numbers were specified correctly, the request cannot be processed for the identified devices given the specified pool.

EMCU625E

```
Prohibited by access controls (Symmetrix system call was blocked)
```

Cause

A pool management request was received, but a function it requires is prohibited by access controls, therefore the request could not be processed.

Action

Contact your site administrator to determine what needs to be done. To perform this operation, access controls may need to be changed to allow the function to run on your system against the select devices.

EMCU626I

```
Defaulting to TYPE(THINPOOL)
```

Cause

A pool management CREATE POOL request was issued. The TYPE parameter was not specified. Consequently, the default of TYPE(THINPOOL) was used, resulting in the creation of a thin pool.

Action

None.

EMCU627I

```
TYPE(SNAPPOOL) converted to TYPE(THINPOOL)
```

Cause

A pool management CREATE POOL request was issued with TYPE(SNAPPOOL). However, the current operating environment level only supports a single pool type, thin pool, which can be used for virtual provisioning as well as Snap and SRDF/A spillover (DSE). Consequently, a thin pool was created.

Action

None.

EMCU628I

```
TYPE(DSEPOOL) converted to TYPE(THINPOOL)
```

Cause

A pool management CREATE POOL request was issued with TYPE(DSEPOOL). However, the current operating environment level only supports a single pool type, thin pool, which can be used for virtual provisioning as well as Snap and SRDF/A spillover (DSE). Consequently, a thin pool was created.

Action

None.

EMCU629I

```
QUERY SAVEDEV converted to QUERY DATADEV
```

Cause

A QUERY SAVEDEV command was issued. However, the current operating environment level no longer supports save devices. Thin pools, which contain data devices, can now be used for virtual provisioning as well as Snap and SRDF/A spillover (DSE). Consequently, data devices were displayed.

Action

None.

EMCU630E

```
NEWNAME(new-poolname) parameter required for action but not specified
```

Cause

A RENAME POOL command was issued, but the required NEWPOOL(*newname*) parameter was not specified. The command failed with the return code of 8.

Action

Correct and rerun the command.

EMCU631E

```
Invalid remote path specified
```

Cause

A GPM command was issued with the REMOTE parameter, but the specified PATH is invalid. Consequently, the command has failed and return code 8 has been set.

Action

Correct the PATH specification, and reissue the command. PATH must specify a valid hoplist to a remote storage system from the local storage system specified by UNIT.

EMCU632E

```
No paths to gatekeeper device
```

Cause

A GPM command was issued, but the gatekeeper device is not accessible. There are no paths to the device. Consequently, the command has failed, and return code 8 has been set.

Action

Correct the no paths condition or select a different gatekeeper device, and reissue the command. Issuing MVS command DS P for the inaccessible device may provide more information.

EMCU633W

```
SRP parameter not valid with command - ignored
```

Cause

The SRP parameter is not valid for the specified command and will be ignored.

Action

If necessary, remove the SRP parameter and rerun the command.

EMCU634W

```
SLO OR WL parameter without SYMSG is invalid - ignored
```

Cause

A QUERY THINDEV command was issued with a WL or SLO keyword specified, but no SYMSG keyword was specified on the command. The WL or SL keyword was ignored.

Action

None, unless specification of SYMSG was intended. If so, correct the command and resubmit.

EMCU636E

```
SLO parameter not a valid choice
```

Cause

The value or mask specified for the SLO parameter does not match one of the valid service level values.

Action

Specify a valid SLO name or mask. Then rerun the command.

EMCU637E

```
SYMSG WL invalid for CKD devices
```

Cause

A GPM command was issued, but workload assignment is not valid for groups containing CKD devices. Consequently, the command has failed, and return code 8 has been set.

Action

None.

EMCU638E

```
SYMSG SLOs limited for CKD devices
```

Cause

A GPM command was issued, but an attempt was made to assign an SLO not valid for groups containing CKD devices. Consequently, the command has failed, and return code 8 has been set.

Action

Choose an SLO valid for CKD groups. See the *ResourcePak Base for z/OS Product Guide* for a list of valid values.

EMCU639E

SLO name does not exist

Cause

A GPM command was issued, but the RENAME specified an SLO that does not exist. Consequently, the command has failed, and return code 8 has been set.

Action

Issue the QUERY SLO command to determine which SLOs exist on the storage system.

EMCU640E

New SLO name exists already

Cause

A GPM command was issued, but the RENAME specified a new name that exists already. Consequently, the command has failed, and return code 8 has been set.

Action

Use the QUERY SLO command to determine what names exist already and pick a unique name for the RENAME request.

EMCU641E

SYMSG size limited to 4096 devices

Cause

Addition of requested devices to a single storage group would exceed the maximum of 4096. The request is rejected. Return code 8 has been set.

Action

Query the SYMSG to see how many devices it contains already, tailor the list of additional devices accordingly, and reissue the command.

EMCU642E

Cannot mix CKD and MFA devices

Cause

An attempt has been made to add CKD devices to an FBA storage group, or FBA devices to a CKD group. This is not permitted. The request is rejected. Return code 8 has been set.

Action

Ensure the requested devices match the emulation type of the devices currently in the group and reissue the command.

EMCU643E

Devices already in SYMSG

Cause

An attempt has been made to add one or more devices to a storage group that are already in the group. The found devices are reported. If SKIP is specified, then other devices will be added to the group. Otherwise, the command will be rejected.

Action

If the request was unintended, alter it as desired and reissue the command.

EMCU644E

Devices not in SYMSG

Cause

An attempt has been made to remove one or more devices from a storage group that are not in the group. The offending devices are reported. If SKIP is specified, then other devices will be removed from the group. Otherwise, the command will be rejected.

Action

If the request was unintended, alter it as desired and reissue the command.

EMCU700W

No thin devices found

Cause

A command was issued with the QUERY action and THINDEV specified. However, among the devices eligible for selection (after possible filtering for pool, emulation, or device range), no thin devices were found. Return code 4 has been set.

Action

None required unless this result was unexpected. The return code of 4 may be used in a batch command stream to guide subsequent processing.

EMCU701W

No devices in pool *poolname*

Cause

A command was issued with the QUERY or DISPLAY action and an explicit pool name specified via the POOL parameter. However, no devices are in the pool. Return code 4 has been set.

Action

None required unless this result was unexpected. The return code of 4 may be used in a batch command stream to guide subsequent processing. If the result was unexpected, however, determine whether an incorrect pool name was specified in the command. If so, reissue the command specifying the correct pool name.

EMCU702W

No pools matching mask *mask*

Cause

A command was issued with the QUERY or DISPLAY action and a pool name mask specified via the POOL keyword parameter. However, no pools with names matching the specified mask were found. Return code 4 has been set.

Action

None required unless this result was unexpected. The return code of 4 may be used in a batch command stream to guide subsequent processing.

EMCU703W

No devices in thin pools matching mask *mask*

Cause

A command was issued with the QUERY action, parameter THINDEV, and the POOL keyword parameter specifying a pool name mask. However, among the devices eligible for selection (after possible filtering for pool, emulation, device range or other criteria), no eligible thin devices were found. Return code 4 has been set.

Action

None required unless this result was unexpected. The return code of 4 may be used in a batch command stream to guide subsequent processing.

EMCU704W

```
Pool poolname not found
```

Cause

A command was issued with the QUERY action, parameter THINDEV, and the POOL keyword parameter specifying an explicit pool name. However, among the devices eligible for selection (after possible filtering for pool, emulation, device range or other criteria), no eligible thin devices were found. Return code 4 has been set.

Action

None required unless this result was unexpected. The return code of 4 may be used in a batch command stream to guide subsequent processing. If the pool name has been specified incorrectly, provide the intended pool name and reissue the command. If the pool name was specified correctly, insure that the location parameters lead to the correct storage system. If the location is remote, be sure that an SRDF group has not been redefined to cause the path to lead to an unwanted storage system. (The CONTROLLER parameter is recommended to help avoid this problem.)

EMCU705E

```
Pool poolname not thin
```

Cause

A command was issued with a QUERY action, parameter THINDEV, DATADEV or ALLOC, and an explicit pool name specified via the POOL keyword parameter. However, the pool specified is not a thin device pool. Consequently, the command has failed. Return code 8 has been set.

Action

Determine whether an incorrect pool name was specified in the command, or if the pool type was specified incorrectly when the pool was created. If the pool name was specified incorrectly, reissue the command specifying the correct pool name. If the pool was created incorrectly, it may be appropriate to delete and recreate the pool before reissuing the command.

EMCU706W

```
No thin pools matching mask
```

Cause

A command was issued with the QUERY action and THINDEV specified, and the POOL keyword parameter specifying a pool name mask. However, no pools were found whose names matched the specified pool name mask. Return code 4 has been set.

Action

None required unless this result was unexpected. This is an informational message. The return code may be used in a batch command stream to guide subsequent processing.

EMCU707W

```
No pools found
```

Cause

A command was issued against a pool or pools. However, no pools were found on the storage system. Return code 4 has been set.

Action

None required unless this result was unexpected. The return code of 4 may be used in a batch command stream to guide subsequent processing. Insure that the location parameters lead to the correct storage system. If the location is remote, be sure that an SRDF group has not been redefined to cause the path to lead to an unwanted storage system. (The CONTROLLER parameter is recommended to help avoid this problem.)

EMCU710W

```
No devices bound to pool poolname
```

Cause

A command was issued with an action applicable to thin devices bound to a device pool, and a pool name was specified in the command. However, no devices were bound to the pool. Return code 4 has been set.

Action

Verify that the correct pool name was specified, and resubmit the command.

EMCU713E

```
Save devices requested but pool poolname a thin pool
```

Cause

A command was issued with a QUERY action specifying save devices and specifying a pool name. However, the pool specified is a thin pool and cannot have associated save devices. Consequently, the command has failed. Return code 8 has been set.

Action

Determine whether an incorrect pool name was specified in the command, or if the pool type was specified incorrectly when the pool was created. If the pool name was specified incorrectly, reissue the command specifying the correct pool name. If the pool was created incorrectly, it may be appropriate to delete and recreate the pool before reissuing the command.

EMCU714W

```
No tiers found
```

Cause

A command was issued with the QUERY action, parameter TIERS, and no FAST tiers were found on the storage system to display.

Action

Ensure that FAST tiering exists on your system.

EMCU715W

```
No tasks found
```

Cause

A command was issued with the QUERY action, parameter TASKS, and no background tasks were found on the storage system to display.

Action

None.

EMCU716E

```
action requested but pool poolname not a thin pool
```

Cause

A command was issued specifying an action which is applicable to thin device pools only. However, the pool specified via the POOL parameter was not a thin pool. Consequently, the command has failed. Return code 8 has been set.

Action

Determine whether an incorrect pool name was specified in the command, or if the pool type was specified incorrectly when the pool was created. If the pool name was specified incorrectly, reissue the command specifying the correct pool name. If the pool was created incorrectly, it may be appropriate to delete and recreate the pool before reissuing the command.

EMCU718W

```
No devices meet selection criteria
```

Cause

A command was issued with the QUERY action, and no devices were found on the specified storage system that match the selection criteria.

Action

Ensure that the correct storage system was specified on the command and that the storage system contains devices of the requested type (thin devices, data devices, or save devices). Otherwise, broaden your selection criteria, and resubmit the command.

EMCU719W

```
No eligible devices in specified range
```

Cause

A pool management request was received, but no devices were found in the specified device range that match the selection criteria.

Action

Ensure that the correct storage system was specified on the command and that the devices specified are of the required type for the command (thin devices, data devices, or save devices). Change your device selection, and resubmit the command.

EMCU721E

```
Thin provisioning not supported at microcode level level
```

Cause

A command was issued with the QUERY action and parameter THINDEV. However, thin devices and thin pools are not supported at operating environment levels lower than 5771. Consequently, the command has failed. Return code 8 has been set.

Action

Ensure that the location parameters lead to the correct storage system. If the location is remote, ensure that the SRDF group has not been redefined to cause the path to lead to an unintended storage system. (The CONTROLLER parameter is recommended to help avoid this problem.)

EMCU723E

```
Gatekeeper device is not accessible - reason code reason-code  
(reason-text)
```

Cause

A GPM command was issued, but the gatekeeper device is not accessible. The device was

found to be in an invalid state. Consequently, the command has failed, and return code 8 has been set.

Reason code values:

- 01 - UCBIID specifies a non-standard ID
- 02 - UCFLA specifies an invalid state
- 03 - UCFLB specifies an invalid state
- 04 - UCBIHTI specifies an invalid state
- 05 - UCBIHOTIO specifies an invalid state
- 06 - UCBIHFG specifies an invalid state
- 07 - UCBIHFG specifies an invalid state
- 08 - UCBLPM specifies an invalid state

Action

Correct the state of the device, or select a different gatekeeper device, and reissue the command. Issuing MVS commands DS QD and DS P for the inaccessible device may provide more information as to what is the problem.

EMCU810E

```
SMSSG, DEV and VOLUMES parameters are mutually exclusive
```

Cause

An attempt was made to specify a combination of an SMS group mask, one or more PowerMax or VMAX device numbers and a set of volume serial numbers. SMS-aligned groups must be entirely based on an SMS group. Volume-defined groups must be entirely based on a set of volsers specified in the VOLUMES parameter.

Action

Correct and reissue the command.

EMCU811E

```
Symmetrix Storage Group name is not aligned with SMS group mask
```

Cause

A fully qualified name for an SMS-signed storage group name was specified for the SYMSG parameter but it does not match any current SMS group name matching the value specified in the SMSSG parameter. Names must be of the form *sms-sg-prefix_smsname*_SMS.

Action

Correct the SYMSG or SMSSG parameter and reissue the command.

EMCU812E

```
No SMS SG matching mask were found
```

Cause

No SMS-aligned storage group was found to match the name or mask specified.

Action

Specify a different SMS group name or mask and ensure that SMS groups are configured. Then reissue the command.

EMCU813E

```
SMSLIST failed
```

Cause

The attempt to access the SMS subsystem to retrieve the current SMS group names

failed.

Action

Ask your SMS administrator for a list of the valid group names and the state of DFSMS in your system. If you cannot determine and correct the problem, contact Dell EMC Customer Support.

EMCU814E

No volumes in SMS groups were found

Cause

All specified SMS groups matching the mask were found not to contain any volumes.

Action

The discovered SMS groups matching the mask or name in the SMSSG parameter do not contain any volumes. Configure SMS groups to contain volumes or specify a different SMS group name or mask and reissue the command.

EMCU815E

No eligible volumes were found on controller

Cause

No volumes in all specified SMS groups matching the mask were found to be accessible.

Action

None of the discovered volumes is currently mounted on the storage system associated with the specified gatekeeper. Specify either a different gatekeeper and storage system or a different SMSSG, whichever is intended, and reissue the command.

EMCU816E

LCL(ALL) could be used with SMS aligned or VOLUMES defined SG only

Cause

The LCL(ALL) option is valid only for actions on SMS-aligned or volume-defined groups. All other commands operate on one storage system only.

Action

Correct and reissue the command.

EMCU817E

SMSSG parameter valid only with SYMSG parameter

Cause

Operation on SMS-aligned group was requested by the SMSSG parameter but the SYMSG parameter is missing.

Action

Reissue the command specifying both parameters.

EMCU818E

SMSSG parameter must be specified for operation on SMS aligned group

Cause

GPM groups with the "_SMS" suffix to their names are SMS-aligned storage groups and are operated on by specifying the SMSSG parameter.

Action

Reissue the command specifying the SMSSG parameter.

EMCU819E

LCL(ALL) for this command could be used for SMS aligned groups only

Cause

The LCL(ALL) option for this command is allowed only for actions on SMS-aligned storage groups. The command can be used for other groups with one storage system only.

Action

Specify a name of the SMS-aligned storage group in the SYMSG parameter or specify a gatekeeper in the LCL parameter.

EMCU820E

SMS aligned to SMS aligned group renaming is supported only

Cause

An attempt to change an SMS alignment of a storage group was made by the RENAME SYMSG command, which is not allowed.

Action

Correct and reissue the command.

EMCU821W

Symmetrix Storage group already exists on controller *symm-serial*

Cause

The CREATE SYMSG, ADD SYMSG, or REFRESH SYMSG command is attempting to create a SMS-aligned or volume-defined storage group that already exists on the indicated storage system.

Action

Reissue the command specifying a name that is not in use.

EMCU822E

Changing of SMS group by RENAME is not allowed

Cause

An attempt to change an SMS group to which a storage group is aligned was made using the RENAME SYMSG command. A part of a new group name describing an SMS group name must be the same as a part of the old group name.

Action

Reissue the command making sure that the new name conforms to the naming rules.

EMCU823W

SMS group name is invalid for aligned Symmetrix Storage Group *smsgrp1, smsgrp2...*

Cause

A CREATE SYMSG, ADD SYMSG, or REFRESH SYMSG command issued with a mask to select SMS groups has retrieved a group named so that it produces an invalid storage group name. Subsequent lines of output list the groups with the invalid names.

Action

Modify the mask so that it does not retrieve groups with invalid names.

EMCU824E

```
ReMoTe not valid on command
```

Cause

A CREATE SYMSG, ADD SYMSG, REMOVE SYMSG, or REFRESH SYMSG command was issued with both the SMSSG or VOLUMES and RMT parameters, which is not allowed. The commands where you have to specify the name of an SMS group and SMS itself is used to figure out which volumes are in the group and then which devices are associated with those volumes, can only be issued locally. Similarly, the commands where you have to specify a volume list in the VOLUMES parameter to figure out which devices are associated with those volumes, can only be issued locally. Consequently, the command has failed, and return code 8 has been set.

Action

Correct and reissue the command.

EMCU900I

```
Syntax check successful
```

Cause

A pool or storage group management command was issued with the NOEXEC parm or option specified. The commands provided were syntactically correct. Because NOEXEC was specified, the commands were not executed. Return code 0 is set.

Action

None.

EMCU902E

```
Duplicate keyword keyword
```

Cause

During parsing of a pool management command, the indicated keyword was used more than once. This syntax error has resulted in rejection of the command with return code 8.

Action

Correct the error and resubmit the command.

EMCU903E

```
Extraneous parameter keyword
```

Cause

During parsing of a pool management command, the parameter *keyword* was found in a position where the command is complete and no additional parameter is expected. This consistency error has resulted in rejection of the command with return code 8.

Action

Remove the extraneous items and resubmit the command.

EMCU904E

```
Missing right parenthesis
```

Cause

During parsing of a pool management command, no right parenthesis was found where one was required. This syntax error has resulted in rejection of the command with return code 8.

Action

Correct the error and resubmit the command.

EMCU905E

Misplaced keyword parameter *keyword*

Cause

During parsing of a pool management command, the indicated keyword parameter, though valid, was found in a syntactically incorrect position. For example, a valid keyword parameter may have been specified invalidly as a subparameter of another keyword. This syntax error has resulted in rejection of the command with return code 8.

Action

Correct the error and resubmit the command.

EMCU906E

Extra right parenthesis

Cause

During parsing of a pool management command string, a right parenthesis was found where not expected, usually after balancing right parentheses have been found corresponding to all preceding left parentheses. This may occur after parsing of the command is deemed complete and no additional parameter is expected. This syntax error has resulted in rejection of the command string with return code 8.

Action

Remove the extraneous right parenthesis and resubmit the command.

EMCU907E

Action does not use parameter *keyword*

Cause

During parsing of a pool management command string, the keyword parameter *keyword* was found. However, while the indicated keyword parameter is valid for one or more pool management actions, it is not valid for the action in the current command. This consistency error has resulted in rejection of the command with return code 8.

Action

Reformulate and resubmit the command.

EMCU908E

POOL not valid with QUERY THINDEV

Cause

During parsing of a QUERY THINDEV pool utility command, the POOL keyword parameter was found. However, POOL is not a valid parameter in this context (although it is valid with QUERY DATADEV and QUERY SAVEDEV). This consistency error has resulted in rejection of the command with return code 12.

Action

Remove the POOL parameter or make any other corrections required and resubmit the command.

EMCU909E

Unrecognized function *action*

Cause

During parsing of a pool management command, the action indicated was found. However, it is not a supported action. This value error has resulted in rejection of the command with return code 8.

Action

Correct and resubmit the command.

EMCU910E

STATE parameter value must be ENABLE or DISABLE, found *value*

Cause

A pool management command string including the STATE keyword parameter was received. However, the parameter value was neither ENABLE nor DISABLE. This value error results in rejection of the command with return code 8.

Action

Correct the command string and resubmit the command.

EMCU911E

DEV (device number or range) required for action, not specified

Cause

A pool management command was entered. The action specified requires the DEV keyword parameter specifying a device or device range value. However, the DEV parameter was not present. This completeness error results in rejection of the command with return code 8.

Action

Include a valid DEV specification and resubmit the command.

EMCU912E

SYMSG(name) or POOL(name) required for action - not specified

Cause

A pool or SYMSG management command was entered. The specified action requires the POOL or SYMSG keyword parameter to be specified. But, neither was present. The command is rejected with return code 8.

Action

Include a valid POOL or SYMSG parameter and resubmit the command.

EMCU913E

TYPE (pool type) required for CREATE, not specified

Cause

A pool management command was entered with the CREATE POOL action, which requires the TYPE keyword parameter specifying a pool type. However, the TYPE parameter was not present. This completeness error results in rejection of the command with return code 8.

Action

Include a TYPE parameter specifying the wanted pool type and resubmit the command.

EMCU914E

```
Invalid pool name poolname
```

Cause

A pool management command was entered with a POOL or NEWNAME parameter specifying a pool name. However, the name specified was not a valid pool name. This value error results in rejection of the command with return code 8.

Action

Correct the specified pool name and resubmit the command.

EMCU915E

```
CONTROLLER parameter valid only for remote location
```

Cause

A pool management command with the LCL keyword parameter was received. However, the CONTROLLER keyword parameter, which may appear only as a subparameter of RMT, was specified as a subparameter of LCL. This consistency error results in rejection of the command with return code 8.

Action

Either remove the CONTROLLER subparameter or specify location LCL rather than RMT as appropriate. Then resubmit the command.

EMCU916E

```
DEV (device number or range) specified but not allowed for action
```

Cause

A pool management command was entered. The action specified does not permit specification of a device or device range, but the DEV keyword parameter was found. This consistency error results in rejection of the command with return code 8.

Action

Remove the DEV parameter, or make whatever changes are appropriate to the intended action, and resubmit the command.

EMCU918E

```
No help available for action
```

Cause

The pool management HELP command was issued specifying the indicated action, but information on that action is unavailable.

Action

If the action was entered correctly, contact Dell EMC Technical Support. Otherwise, resubmit the command specifying the correct action.

EMCU920E

```
CREATE requires pool type
```

Cause

A pool management CREATE POOL command was issued, but no pool type was specified. This completeness error results in rejection of the command with return code 8.

Action

Insert a pool type specification in the command string as appropriate by means of the TYPE parameter. Then resubmit the command.

EMCU921E

```
Invalid alert threshold value value
```

Cause

A pool management command was issued for the POOLATTR action, but the indicated value specified by either the CRIT or the WARN keyword parameter is invalid. This value error results in rejection of the command with return code 8.

Action

Re-specify the value as required and resubmit the command.

EMCU922E

```
DEV with DISPLAY action only valid with explicit pool
```

Cause

A pool management command was issued for the DISPLAY action, and a device or device range was specified by means of the DEV keyword parameter. However, either the POOL parameter was omitted or the value was a pool name mask. In either of these cases, the DEV parameter is prohibited. This consistency error results in rejection of the command with return code 8.

Action

Reformulate the command as required. Then resubmit the command.

EMCU923E

```
Maximum of four hops allowed in path to remote Symmetrix
```

Cause

A pool management command was entered and the RMT keyword parameter with the PATH subparameter was specified. However, the hop list specified by the PATH parameter contained more than four hops, which is the maximum allowed. This value error results in rejection of the command with return code 8.

Action

Re-specify the hop list to include no more than four hops while still reaching the desired storage system, if necessary by specifying a different gatekeeper device. Then resubmit the command.

EMCU924E

```
Maximum oversubscription ratio cannot be greater than 65534
```

Cause

A pool management command was issued with the CREATE POOL or POOLATTR action, but the value specified by the MAXOSUB keyword parameter exceeded the maximum value allowed. This value error results in rejection of the command with return code 8.

Action

Re-specify the maximum oversubscription ratio value and resubmit the command.

EMCU925E

```
Invalid task id value
```

Cause

A pool management command to display, modify, or cancel a virtual provisioning background task was received. However, the value specified for the background task ID was not a valid task ID number, or was zero. This value error results in rejection of the command with return code 8.

Action

Provide a valid task ID and resubmit the command.

EMCU926E

```
Cannot specify both CKD and FBA
```

Cause

A pool management command to display device information or modify device status was received. However, both the FBA and the CKD device filters were specified, and these are mutually exclusive. This consistency error results in rejection of the command with return code 8.

Action

Remove one of the conflicting filters as appropriate and resubmit the command.

EMCU927E

```
Default pool invalid for action
```

Cause

A pool management command for a thin device was received, and the required pool keyword parameter was present. However, the pool specified was a the default pool, and devices may not be bound to this pool. This value error results in rejection of the command with return code 8.

Action

Correct the pool name as appropriate and resubmit the command.

EMCU928E

```
QUERY subject not specified
```

Cause

A pool management command was entered with a QUERY action. However, no subject of the QUERY was specified; THINDEV, DATADEV, SAVEDEV, TASK, ALLOC, and TIERS are available. This completeness error results in rejection of the command with return code 8.

Action

Specify the subject of the QUERY action and resubmit the command.

EMCU929E

```
PATH required for remote location
```

Cause

A pool management command with the RMT keyword parameter was received. However, no PATH subparameter was found that would allow identification of the remote storage system on which the command should be processed. This completeness error results in rejection of the command with return code 8.

Action

Provide a path to the remote storage system and resubmit the command.

EMCU930E

PATH parameter valid only for remote location

Cause

A pool management command with the LCL keyword parameter was received. However, the PATH keyword parameter, which may appear only as a subparameter of RMT, was specified as a subparameter of LCL. This consistency error results in rejection of the command with return code 8.

Action

Either remove the PATH subparameter or specify location LCL rather than RMT as appropriate. Then resubmit the command.

EMCU931E

Symmetrix location parameter (UNIT, VOL or DDNAME) omitted

Cause

During parsing of a pool management command, the command string was found to be missing a specification of the gatekeeper that provides the location of the storage system through which commands will be routed. The gatekeeper may be specified by means of the UNIT, VOL or DDNAME keyword parameters, but none of these keywords was found. This completeness error results in rejection of the command with return code 8.

Action

Provide a location specification in the command and resubmit the command.

EMCU932E

Invalid format for controller serial number

Cause

During parsing of a pool management command, the CONTROLLER subparameter of the RMT keyword parameter was detected. However, the value specified by the CONTROLLER keyword was invalid. This value must be a five digit string (the last five digits of a storage system serial number) optionally preceded by a seven digit string (the first seven digits of a storage system serial number) and a hyphen. This syntax error results in rejection of the command with return code 8.

Action

Provide a valid, correctly formatted storage system serial number, or optionally omit the subparameter entirely. Then resubmit the command.

EMCU933E

Symmetrix location parameters mutually exclusive

Cause

During parsing of a pool management command, the command string was found to include multiple specifications of the gatekeeper device that provides the location of the storage system through which commands will be routed. Only one of the keyword parameters UNIT, VOL, and DDNAME may be specified, but more than one was found. This consistency error results in rejection of the command with return code 8.

Action

Provide a location specification in the command and resubmit the command.

EMCU934E

Invalid device number *value*

Cause

During parsing of a pool management command, the DEV keyword parameter was found. However, the device number specified or one of the devices numbers in the device range specified was not valid. Either an invalid character was present (a device number may contain only hexadecimal characters) or the value specified exceeded the largest allowed. This value error results in rejection of the command with return code 8.

Action

Correct the device number specification and resubmit the command.

EMCU935E

TYPE must specify SNAPPOOL, THINPOOL or DSEPOOL, found *value*

Cause

During parsing of a pool management command with a CREATE POOL action, the TYPE keyword parameter was found. However, the parameter specified a value that was not one of the supported pool types. This value error results in rejection of the command with return code 8.

Action

Correct the invalid pool type and resubmit the command.

EMCU936E

First device number of range exceeds second

Cause

During parsing of a pool management command, the DEV keyword parameter was found, and the value specified was a device range consisting of a pair of device numbers separated by a hyphen. For a device range specification, however, the second device number must be equal to or greater than the first device number. This value error results in rejection of the command with return code 8.

Action

Correct the device range specification and resubmit the command.

EMCU937E

Invalid MVS unit address *value*

Cause

During parsing of a pool management command, the UNIT keyword parameter was found, but the value specified was invalid. This value error results in rejection of the command with return code 8.

Action

Correct the unit address specification and resubmit the command.

EMCU939E

Devices not permitted with non-specific pool display.

Cause

You cannot specify devices on the DISPLAY command with no pool specified.

Action

Specify the pool or remote device specification from the DISPLAY command.

EMCU940E

```
SYMSG(symmetrix_storage_group_name) parameter required for action  
but not specified
```

Cause

A GPM command was issued that requires the SYMSG parameter, but the SYMSG parameter was not specified. Consequently, the command has failed, and return code 8 has been set.

Action

Correct and reissue the command.

EMCU941E

```
Symmetrix Storage Group with specified name already exists on  
controller
```

Cause

A CREATE SYMSG command was issued, but the specified storage group already exists on the storage system. Consequently, the command has failed, and return code 8 has been set.

Action

If the storage group name was specified incorrectly, correct and reissue the command. In order to create a storage group with the specified name, the existing storage group with that name must be deleted using the DELETE SYMSG command. This should only be done if necessary and appropriate.

EMCU942E

```
SYMSG and POOL parameters are mutually exclusive
```

Cause

A GPM command was issued with both the SYMSG and POOL parameters, which is not allowed. On action commands, the SYMSG or POOL parameter identifies the object that will be modified, so only one may be specified. Consequently, the command has failed, and return code 8 has been set.

Action

Correct and reissue the command.

EMCU943E

```
TYPE parameter not valid on SYMSG commands
```

Cause

A GPM command was issued with both the SYMSG and TYPE parameters, which is not allowed. On action commands, the SYMSG or POOL parameter identifies the object that will be modified. TYPE can only be used in conjunction with the POOL parameter. Consequently, the command has failed, and return code 8 has been set.

Action

Correct and reissue the command.

EMCU944E

```
MAXOSUB parameter not valid on CREATE SYMSG command
```

Cause

A CREATE SYMSG command was issued with the MAXOSUB parameter, which is not allowed. On CREATE commands, the SYMSG or POOL parameter identifies the object that will be created. MAXOSUB can only be used in conjunction with the POOL parameter. Consequently, the command has failed, and return code 8 has been set.

Action

Correct and reissue the command.

EMCU945E

```
DEV parameter not valid on CREATE POOL command
```

Cause

A CREATE POOL command was issued with the DEV parameter, which is not allowed. On CREATE commands, the SYMSG or POOL parameter identifies the object that will be created. Devices cannot be added to a pool upon creation. Consequently, the command has failed, and return code 8 has been set.

Action

Correct and reissue the command.

EMCU946E

```
Symmetrix Storage Group with specified name does not exist on controller
```

Cause

A GPM command was issued with the SYMSG parameter, but the specified storage group does not exist on the storage system. Consequently, the command has failed, and return code 8 has been set.

Action

If the storage group name was specified incorrectly, correct and reissue the command. Otherwise, an SG with the specified name must be created using the CREATE SYMSG command.

EMCU947W

```
No Symmetrix Storage Groups found matching symsg-value
```

Cause

A GPM command was issued with the SYMSG parameter, but no storage groups were found matching the specified storage group name or mask. Consequently, the command has ended with a warning, and return code 4 has been set.

Action

If the storage group name or mask was specified incorrectly, correct and reissue the command. Otherwise, a storage group matching the specified name or mask must be created using the CREATE SYMSG command.

EMCU948W

```
No Symmetrix Storage Groups found
```

Cause

A GPM command was issued with the SYMSG parameter, but no storage groups were found on the storage system. Consequently, the command has ended with a warning, and return code 4 has been set.

Action

At least storage group must be created using the CREATE SYMSG command.

EMCU949E

```
Symmetrix Storage Group name is invalid (can only include alphanumeric characters, dashes, and underscores)
```

Cause

A GPM command was issued with the SYMSG parameter, but the specified storage group name is invalid. Consequently, the command has failed, and return code 8 has been set.

Action

Correct the storage group name, and reissue the command. The name can only contain alphanumeric characters, dashes, and underscores. If it includes any dashes, it must be enclosed in apostrophes.

EMCU950E

```
NEWSGNAME (<new Symmetrix Storage Group name>) parameter required for action but not specified
```

Cause

A RENAME SYMSG command was issued, but the NEWSGNAME parameter was not specified. NEWSGNAME is a required parameter. Consequently, the command has failed, and return code 8 has been set.

Action

Correct and reissue the command.

EMCU951E

```
New Symmetrix Storage Group name is invalid (can only include alphanumeric characters, dashes, and underscores)
```

Cause

A RENAME SYMSG command was issued, but the new storage group name specified via the NEWSGNAME parameter is invalid. The name can only contain alphanumeric characters, dashes, and underscores. If it includes any dashes, it must be enclosed in apostrophes. Consequently, the command has failed, and return code 8 has been set.

Action

Correct the new storage group name specified via the NEWSGNAME parameter, and reissue the command.

EMCU952W

```
No Storage Resource Pools found matching srp_name
```

Cause

A GPM command was issued with the SRP parameter, but no storage resource pools were found matching the specified SRP name or mask. Consequently, the command has ended with a warning, and return code 4 has been set.

Action

Correct and reissue the command.

EMCU953W

```
No Storage Resource Pools found
```

Cause

A GPM command was issued with the SRP parameter, but no storage resource pools were

found on the storage system. Consequently, the command has ended with a warning, and return code 4 has been set.

Action

Ensure that an SRP is configured on the storage system.

EMCU954W

```
No Service Level Objectives found matching slo_name
```

Cause

A GPM command was issued with the SLO parameter, but no service level objectives were found matching the specified SLO name or mask. Consequently, the command has ended with a warning, and return code 4 has been set.

Action

Correct and reissue the command. Issue the QUERY SLO command without the SLO or WORKLOAD filters for a list of all service level objectives supported on the storage system. If the FAST ELM license is not present, only the Optimized SLO may be used. In addition to the FAST license, the SLOs that can be used are restricted depending on the drive types that are present on the storage system, as described in the *ResourcePak Base for z/OS Product Guide*. If the FAST ELM license or required drive types are not present, those SLOs will be excluded from the QUERY SLO display but will be displayed if explicitly requested via the SLO filter.

EMCU955W

```
No Service Level Objectives found
```

Cause

A GPM command was issued with the SLO parameter, but no service level objectives were found on the storage system. Consequently, the command has ended with a warning, and return code 4 has been set.

Action

If the problem persists, contact the Dell EMC Customer Support Center for assistance.

EMCU956W

```
No Workloads found matching workload_name
```

Cause

A GPM command was issued with the WORKLOAD parameter, but no workloads were found matching the specified workload name or mask. Consequently, the command has ended with a warning, and return code 4 has been set.

Action

Correct and reissue the command. Issue the QUERY SLO command without the SLO or WORKLOAD filters for a list of all SLO and workload combinations supported on the storage system. If the FAST ELM license is not present, only the Optimized SLO may be used. In addition to the FAST license, the SLOs that can be used are restricted depending on the drive types that are present on the storage system, as described in the *ResourcePak Base for z/OS Product Guide*. If the FAST ELM license or required drive types are not present, those SLOs will be excluded from the QUERY SLO display but will be displayed if explicitly requested via the SLO and (or) WORKLOAD filters.

EMCU957E

```
WORKLOAD is only valid if SLO is specified
```

Cause

A GPM command was issued, but the WORKLOAD parameter was specified without the SLO parameter, which is not allowed. WORKLOAD may only be specified in conjunction with the SLO parameter. Consequently, the command has failed, and return code 8 has been set.

Action

Correct and reissue the command.

EMCU958W

```
No disk groups found matching specified query criteria.
```

Cause

A GPM command was issued with the DISKGRP parameter, but no disk groups were found matching the specified disk group name or mask or SRP criteria. Consequently, the command has ended with a warning, and return code 4 has been set.

Action

Correct and reissue the command.

EMCU959W

```
No disk groups found
```

Cause

A GPM command was issued with the DISKGRP parameter, but no disk groups were found on the storage system. Consequently, the command has ended with a warning, and return code 4 has been set.

Action

Ensure disk groups are configured on the storage system.

EMCU960E

```
Devices are already in a FAST-managed Symmetrix Storage Group
```

Cause

An ADD SYMSG command or CREATE SYMSG command with the DEV parameter was issued which would add devices to a FAST-managed storage group, but one or more devices are already in a FAST-managed storage group. A device cannot be in more than one FAST-managed SG at any given time. Consequently, the command has failed, and return code 8 has been set.

Action

If the requested device numbers were specified incorrectly, correct and reissue the command.

Otherwise, first remove the devices from the FAST-managed storage group where they are currently included. Run the QUERY SYMSG command with the DEV parameter to see which storage groups contain those devices.

EMCU961E

```
SRP(srp_name) parameter required for action but not specified
```

Cause

A GPM command was issued that requires the SRP parameter, but the SRP parameter was not specified. Consequently, the command has failed, and return code 8 has been set.

Action

Correct and reissue the command.

EMCU962E

DSE_MAX_CAP cannot be greater than 100000

Cause

A GPM command was issued with the DSE_MAX_CAP parameter, but the specified value is out of range. The maximum SRDF/A DSE capacity cannot be greater than 100,000 GB. Consequently, the command has failed, and return code 8 has been set.

Action

Correct the value of DSE_MAX_CAP, and reissue the command.

EMCU963E

RESV_CAP cannot be greater than 80

Cause

A GPM command was issued with the RESV_CAP parameter, but the specified value is out of range. The reserved capacity cannot be greater than 80%. Consequently, the command has failed, and return code 8 has been set.

Action

Correct the value of RESV_CAP, and reissue the command.

EMCU964E

DSE_MAX_CAP parameter not valid on SET SYMSG command

Cause

A SET SYMSG command was issued with the DSE_MAX_CAP parameter, which is not allowed. Maximum SRDF/A DSE capacity only applies to SRPs. Consequently, the command has failed, and return code 8 has been set.

Action

Correct and reissue the command.

EMCU965E

RESV_CAP parameter not valid on SET SYMSG command

Cause

A SET SYMSG command was issued with the RESV_CAP parameter, which is not allowed. Reserved capacity only applies to SRPs. Consequently, the command has failed, and return code 8 has been set.

Action

Correct and reissue the command.

EMCU966E

RDFA_DSE parameter not valid on SET SYMSG command

Cause

A SET SYMSG command was issued with the RDFA_DSE parameter, which is not allowed. The RDFA_DSE parameter only applies to SRPs. Consequently, the command has failed, and return code 8 has been set.

Action

Correct and reissue the command.

EMCU967E

RDF_COORDINATION parameter not valid on SET SRP command

Cause

A SET SRP command was issued with the RDF_COORDINATION parameter, which is not allowed. SRDF coordination only applies to storage groups. Consequently, the command has failed, and return code 8 has been set.

Action

Correct and reissue the command.

EMCU968E

SLO parameter not valid on SET SRP command

Cause

A SET SRP command was issued with the SLO parameter, which is not allowed. The SLO parameter only applies to storage groups. Consequently, the command has failed, and return code 8 has been set.

Action

Correct and reissue the command.

EMCU969E

WORKLOAD parameter not valid on SET SRP command

Cause

A SET SRP command was issued with the WORKLOAD parameter, which is not allowed. The WORKLOAD parameter only applies to storage groups. Consequently, the command has failed, and return code 8 has been set.

Action

Correct and reissue the command.

EMCU970E

RDF/A DSE cannot be disabled for the specified SRP as it is the only SRP on the Symmetrix

Cause

A SET SRP command was issued with the RDFA_DSE(DISABLE) parameter, but the specified SRP is the only SRP on the storage system. There must be one SRP with SRDF/A DSE enabled at all times. Consequently, the command has failed, and return code 8 has been set.

Action

Correct and reissue the command.

EMCU971W

RDF/A DSE is not enabled for the specified SRP

Cause

A SET SRP command was issued with the RDFA_DSE(DISABLE) parameter, but SRDF/A DSE is not enabled for the specified SRP. Consequently, the command has ended with a warning, and return code 4 has been set.

Action

Correct and reissue the command.

EMCU972I

```
RDF/A DSE will be enabled for SRP srp_name as one SRP must be
enabled at all times
```

Cause

A SET SRP command was issued with the RDFA_DSE(DISABLE) parameter. As a result, SRDF/A DSE was enabled for the indicated SRP, as there must be one SRP with SRDF/A DSE enabled at all times.

Action

If no action is taken, the indicated SRP will be used for SRDF/A DSE. To use a different SRP, issue the SET SRP command with RDFA_DSE(ENABLE) parameter for that SRP.

EMCU973I

```
RDF/A DSE will be disabled for SRP srp_name as only one SRP can
have RDF/A DSE enabled
```

Cause

A SET SRP command was issued with the RDFA_DSE(ENABLE) parameter. As a result, SRDF/A DSE was disabled for the SRP indicated in the message, as there can only be one SRP with SRDF/A DSE enabled at any given time.

Action

None.

EMCU974E

```
A FAST-managed Symmetrix Storage Group cannot contain devices of
mixed emulation types (i.e., both CKD and FBA)
```

Cause

An ADD SYMSG or CREATE SYMSG command was issued which would add devices to a FAST-managed storage group, or a SET SYMSG command was issued which would make a storage group FAST-managed that was previously not FAST-managed. However, the command would result in devices of mixed emulation type in the same FAST-managed storage group, which is not allowed. Consequently, the command has failed, and return code 8 has been set.

Action

If the requested device numbers were specified incorrectly, correct and reissue the command. Otherwise, create separate storage groups for CKD and FBA if the storage groups will be FAST-managed. Run the QUERY THINDEV command with the DEV parameter to see the emulation type of the requested devices.

EMCU975E

```
Encapsulated devices are not allowed in a FAST-managed Symmetrix
Storage Group
```

Cause

An ADD SYMSG or CREATE SYMSG command was issued which would add devices to a FAST-managed storage group, or a SET SYMSG command was issued which would make a storage group FAST-managed that was previously not FAST-managed. However, the command would result in encapsulated devices in a FAST-managed storage group, which is not allowed. Consequently, the command has failed, and return code 8 has been set.

Action

Correct and reissue the command.

EMCU976E

```
Storage Resource Pool srp_name not found
```

Cause

A GPM command was issued with the SRP parameter, but a storage resource pool with the specified name could not be found on the storage system. Consequently, the command has failed, and return code 8 has been set.

Action

Correct the SRP name, and reissue the command. Run the QUERY SRP command to display all of the storage resource pools on the storage system.

EMCU977E

```
Service Level Objective slo_name not found
```

Cause

A GPM command was issued with the SLO parameter, but a service level objective with the specified name could not be found on the storage system. Consequently, the command has failed, and return code 8 has been set.

Action

Correct the SLO name, and reissue the command. Run the QUERY SLO command to display all of the service level objectives on the storage system.

EMCU978E

```
SLO slo_name Workload workload_name combination not found
```

Cause

A GPM command was issued with the SLO and WORKLOAD parameters, but the specified SLO and workload combination could not be found on the storage system. Consequently, the command has failed, and return code 8 has been set.

Action

Correct the SLO and (or) workload name, and reissue the command. Run the QUERY SLO command to display all of the SLO and workload combinations available on the storage system.

EMCU979W

```
No SLO/Workload combinations found matching SLO slo_name Workload workload_name
```

Cause

A GPM command was issued with the SLO and WORKLOAD parameters, but no SLO and workload combinations were found matching the specified SLO name or mask and the specified workload name or mask. Consequently, the command has ended with a warning, and return code 4 has been set.

Action

Correct and reissue the command. Issue the QUERY SLO command without the SLO or WORKLOAD filters for a list of all SLO and workload combinations supported on the storage system. If the FAST ELM license is not present, only the Optimized SLO may be used. In addition to the FAST license, the SLOs that can be used are restricted depending on the drive types that are present on the storage system, as described in the

ResourcePak Base for z/OS Product Guide. If the FAST ELM license or required drive types are not present, those SLOs will be excluded from the QUERY SLO display but will be displayed if explicitly requested via the SLO and (or) WORKLOAD filters.

EMCU980E

```
No attributes to set specified on SET SYMSG command
```

Cause

A SET SYMSG command was issued, but no attributes to be set were specified (e.g., SRP, SLO, WORKLOAD, RDF_COORDINATION). At least one attribute to set is required. Consequently, the command has failed, and return code 8 has been set.

Action

Correct and reissue the command, specifying at least one attribute to be set (e.g., SRP, SLO, WORKLOAD, RDF_COORDINATION).

EMCU981E

```
No attributes to set specified on SET SRP command
```

Cause

A SET SRP command was issued, but no attributes to be set were specified (e.g., RDFA_DSE, DSE_MAX_CAP, RESV_CAP). At least one attribute to set is required. Consequently, the command has failed, and return code 8 has been set.

Action

Correct and reissue the command, specifying at least one attribute to be set (e.g., RDFA_DSE, DSE_MAX_CAP, RESV_CAP).

EMCU982E

```
No valid object specified on command
```

Cause

A command was issued, but a valid object was not specified (e.g., SYMSG, SRP). The SYMSG or SRP parameter identifies the object whose attributes will be set. Consequently, the command has failed, and return code 8 has been set.

Action

Correct and reissue the command, specifying a valid object whose attributes should be set (e.g., SYMSG, SRP).

EMCU983E

```
Specified Service Level Objective not available as FAST ELM  
feature not found
```

Cause

A GPM command was issued with the SLO parameter, but the specified service level objective is not supported on the storage system as the FAST ELM license is not present. Consequently, the command has failed, and return code 8 has been set.

Action

Correct and reissue the command, specifying an SLO that is supported on the storage system. Issue the QUERY SLO command without the SLO or WORKLOAD filters for a list of all service level objectives supported on the storage system. If the FAST ELM license is not present, only the Optimized SLO may be used. In addition to the FAST license, the SLOs that can be used are restricted depending on the drive types that are present on the storage system, as described in the *ResourcePak Base for z/OS Product Guide*. If the

FAST ELM license or required drive types are not present, those SLOs will be excluded from the QUERY SLO display but will be displayed if explicitly requested via the SLO filter.

EMCU984E

```
Specified Service Level Objective not available as drive types
required for that SLO are not present
```

Cause

A GPM command was issued with the SLO parameter, but the specified service level objective is not supported on the storage system as the drive types required for that SLO are not present. Consequently, the command has failed, and return code 8 has been set.

Action

Correct and reissue the command, specifying an SLO that is supported on the storage system. Issue the QUERY SLO command without the SLO or WORKLOAD filters for a list of all service level objectives supported on the storage system. The SLOs that can be used are restricted depending on the drive types that are present on the storage system, as described in the *ResourcePak Base for z/OS Product Guide*. In addition to the required drive types, if the FAST ELM license is not present, only the Optimized SLO may be used. If the required drive types or FAST ELM license are not present, those SLOs will be excluded from the QUERY SLO display but will be displayed if explicitly requested via the SLO filter.

EMCU985I

```
Sampling performance data for sample-time seconds
```

Cause

A QUERY STATS command was issued. Performance data is collected for the indicated duration. Once the sampling is complete, the report is displayed.

Action

None.

EMCU986E

```
POOL parameter not supported on command for microcode level 5x77
and above
```

Cause

A GPM command was issued with the POOL parameter, but the operating environment level is 5977 or later. On this particular command, the POOL parameter is only supported for Engenuity 5876 or earlier.

Action

Remove the POOL parameter and reissue the command.

EMCU987I

```
TYPE parameter will be ignored, as it is not supported on the
specified command
```

Cause

A GPM command was issued with the TYPE parameter, which is not supported on the specified command. The TYPE parameter is accepted for legacy compatibility only and has no affect on the command.

Action

None.

EMCU988E

```
SYMSG(symsg_name) parameter not valid on command
```

Cause

A GPM command was issued with the SYMSG parameter, but SYMSG is not valid on the specified command. Consequently, the command has failed, and return code 8 has been set.

Action

Correct and reissue the command.

EMCU990W

```
Attempt to obtain Storage Resource Pool information from GPM API failed with RC nn
```

Cause

A GPM command was issued that required access to SRP information, but GPM could not retrieve that information from the storage system. This is a transient internal error.

Action

Reissue the command. If this message appears frequently, contact the Dell EMC Customer Support Center.

EMCU992E

```
SLONAME(slo_name) required for action but not specified
```

Cause

An attempt has been made to rename a service level objective (SLO). However, the current name of the SLO has not been specified. Therefore, the command has ended with an error, and return code 8 has been set.

Action

Specify the current name using the SLO parameter and reissue the command.

EMCU993E

```
NEWSLONAME(new_slo_name) required for action but not specified
```

Cause

An attempt has been made to rename a service level objective (SLO). However, the new name of the SLO has not been specified. Therefore, the command has ended with an error, and return code 8 has been set.

Action

Specify the new name using the NEWSLONAME parameter and reissue the command.

EMCU994I

```
SRP not specified on CREATE SYMSG, set to default of defaultsrp
```

Cause

The SRP parameter was not specified on a CREATE SYMSG statement and the default SRP named *defaultsrp* will be used.

Action

None required unless the SRP parameter was erroneously omitted.

ERDFG00E

message-text

Cause

An internal error occurred during SRDF group discovery.

Action

Contact Dell EMC Customer Support if the problem persists.

ERDFG01E

SCF is not active

Cause

SCF is not running, or the SCF\$*nnnn* DD DUMMY statement in the JCL does not specify the correct SCF subsystem name.

Action

Start SCF, or correct the SCF\$*nnnn* DD DUMMY statement in the JCL (where *nnnn* is the SCF subsystem name), and retry.

ERDFG02E

api-function API call failed R15 *emcsai-rc*, RC *emcrc*, RS *emcrs*,
RCX *emcrsx*, CUU *ccuu*, UCB@ *ucb-address*, Hoplist *hoplist*

Cause

The indicated SymmAPI call failed during SRDF group discovery. Diagnostic information is provided for Dell EMC use.

Action

Contact Dell EMC Customer Support if the problem persists.

EREGN00E

message-text

Cause

An internal error occurred while attempting to query REGION limits and usage.

Action

Contact Dell EMC Customer Support if the problem persists.

EREGN01I

REGION limits and usage

	Limit	Allocated	% Alloc
Above the line	<i>abv-lim</i>	<i>abv-alc</i>	<i>abv-%alc</i>
Below the line	<i>blw-lim</i>	<i>blw-alc</i>	<i>blw-%alc</i>

Cause

This report displays above and below the line REGION limits and allocation information for the address space where the message is issued.

Action

None.

FBAU000I

```
DEVICE xxx, UCBADDR yyyzzzxx, UCBPRFX aaabbbcc
```

Cause

Parameters are being processed.

Action

None.

FBAU001E

```
DEVICE FAILED UCB CHECKS, RC = RSN=
```

Cause

UCB validation failed.

Action

Check the device parameters, correct, and resubmit.

FBAU002I

```
CNTLTYPE, MCLEVEL, PATCH LEVEL, SYMDEV#, PIM xxx
```

Cause

Validation of the storage system failed. Checking for shared device and mixed FBA and CKD configuration.

Action

Correct the parameters and resubmit.

FBAU003I

```
DEVICE CONFIGURED CORRECTLY
```

Cause

Device is accessible and configured correctly.

Action

None.

FBAU003W

```
DEVICE CONFIGURED CORRECTLY
```

Cause

The device is accessible and configured correctly.

Action

None.

FBAU004E

```
UCBID FAILED VALIDATION
```

Cause

The path is not valid for the device.

Action

Correct the parameters or bring the path online and resubmit.

FBAU005E

DEVICE HAS NO ASSOCIATED SUBCHANNEL

Cause

Cannot connect using subchannel.

Action

Correct the parameters or bring the path online and resubmit.

FBAU006I

LPM EMCCONFIG_GLOBALFIND_DISK

Cause

This is an informational message.

Action

None.

FBAU007E

DEVICE IS NOT A SYMMETRIX CONTROLLER

Cause

The device is not on a Dell EMC storage system.

Action

Correct the device and resubmit.

FBAU008E

MICROCODE LEVEL IS NOT SUPPORTED

Cause

Operating environment levels prior to Enginuity 5056 are not supported.

Action

Correct the device and resubmit.

FBAU009E

MICROCODE NOT AT CORRECT LEVEL

Cause

The storage system runs Enginuity 5056 and is not at the correct operating environment level.

Action

Correct the device and resubmit.

FBAU011E

SPECIFIED DEVICE IS NOT FBA

Cause

The selected device is not an FBA device.

Action

Correct the device and resubmit.

FBAU012E

```
SPECIFIED DEVICE IS FBA BUT IS NOT SHARED
```

Cause

The device is not configured as shared.

Action

Configure the device as shared or select a new device and resubmit.

FBAU013E

```
CHAIN E4/64/FA/54 FAILED RC = VERIFYFIXUCB
```

Cause

The CCW test failed; cannot access the device from the host.

Action

Select another device and resubmit.

FBAU014E

```
E4 DATA BAD SNSID, ID=NO
```

Cause

The CCW test failed; cannot access the device from the host.

Action

Select another device and resubmit.

FBAU015E

```
64 DATA BAD RDC, ID=NO
```

Cause

The CCW test failed; cannot access the device from the host.

Action

Select another device and resubmit.

FBAU016E

```
FA DATA BAD RCD, L=32, ID=NO
```

Cause

The CCW test failed; cannot access the device from the host.

Action

Select another device and resubmit.

FBAU017E

```
CHAIN AF FAILED
```

Cause

The devices are not ready and bad sense data is being returned. The device is unusable.

Action

Select another device and resubmit.

FBAU017W

CHAIN AF FAILED

Cause

The devices are not ready but are able to be used.

Action

None.

FBAU018E

BAD PARM FIELD RC =

Cause

Parameter validation failed.

Action

Correct the parameters and resubmit.

FBAU019I

FLA *savefla* WAS CHANGED TO *x*

Cause

This message indicates that the device is configured correctly.

Action

None.

FBAU020I

FLB *saveflb* WAS CHANGED TO *x*

Cause

This message indicates that the device is configured correctly.

Action

None.

FBAU021E

INCORRECT UCBSIDA IN UPFX

Cause

The subchannel is connected but unable to use the prefix.

Action

Select another device and resubmit.

FBAU022E

FC01 R15 *sairc15*

Cause

Internal SAI call; unable to contact the device.

Action

Select another device and resubmit.

FBAU023E

CNFG GLOBAL R15 *sair15*

Cause

An internal config global call failed using EMCSAI.

Action

Select another device and resubmit.

FBAU024E

```
SYMDEVICE R15 sair15
```

Cause

A config global call failed using EMCSAI.

Action

Select another device and resubmit.

FBAU025I

```
STSCH 1 CC=cc ID=NO
```

Cause

Indicates that the status is good.

Action

None.

FBAU026I

```
MSCH CC=cc ID=NO
```

Cause

Indicates that the status is good.

Action

None.

FBAU027I

```
STSCH 2 CC=cc ID=NO
```

Cause

Indicates that the status is good.

Action

None.

FBAU028W

```
SCHIB UPDATE FAILED
```

Cause

An internal update to SCHIB failed.

Action

Select another device and resubmit.

FBAU029I

```
SCHIB(0-F) BEFORE = x ID=NO
```

Cause

Indicates SCHIB status.

Action

None.

FBAU030I

```
SCHIB(0-F) UPDATE = x ID=NO
```

Cause

Indicates SCHIB status.

Action

None.

FBAU031I

```
SCHIB UPDATE VERIFIED
```

Cause

Indicates that SCHIB update has been verified.

Action

None.

FBAU032I

```
SCHIB(0-F) AFTER = x ID=NO
```

Cause

Indicates SCHIB status.

Action

None.

FBAU033E

```
SYMMETRIX CONTROL FACILITY IS NOT AVAILABLE
```

Cause

SCF is not active.

Action

Start SCF and resubmit.

FBAU034W

```
DEVICE IS NOT READY
```

Cause

This message follows message FBAU017W.

Action

None.

MRD0001E

```
The FC01 SAI call failed
```

Cause

The call to SCF has failed for an unknown reason.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

MRD0002E

```
The device specified is not an EMC device
```

Cause

The specified device is probably not a Dell EMC device.

Action

Verify that you are running QOS on a Dell EMC device.

MRD0003E

```
The Enginuity level is invalid
```

Cause

The storage system you issued the command was found to have an operating environment level too low to use the Mixed Mode SRDF features.

Action

Contact the Dell EMC Customer Support Center to update your operating environment if required.

MRD0004E

```
CPU weights must add up to 100
```

Cause

The SYNC, ASYNC, and COPIES CPU percentage (weight) values must have a combined value of 100, and none of the values can be 0.

Action

Change the CPU distribution ratio among workload classes.

MRD0005E

```
The device type is not supported. Must be 3990, 3880, 2105, or 2107
```

Cause

The device type is not currently supported.

Action

Be sure QOS runs against one of the supported device types: 3990, 3880, 2105, or 2107.

MRD0006E

```
Invalid CUU entered
```

Cause

An invalid MVS device has been specified in a command.

Action

Correct the invalid CUU number in the command.

MRD0007E

No records returned from syscall

Cause

The syscall to retrieve display data completed successfully, but it did not return any records.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

MRD0008E

Error freeing storage

Cause

QOS could not free the storage it allocated to process the job.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

MRD0010E

A Bad command was encountered

Cause

The command parser could not recognize the command that was entered.

Action

Verify the entered command uses the correct syntax,

MRD0011E

The FC17 SAI call failed

Cause

The call to SCF has failed for an unknown reason.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

MRD0012E

Specified RA director does not exist

Cause

A command was entered specifying a director number. However, the requested director could not be found on the storage system to which the command was directed. Consequently, the action has failed.

Action

Reissue the command specifying the correct director number.

MRD0013E

message-text

Cause

This message is issued when a syscall error has occurred. The text returned by this message describes the syscall error condition in further detail.

Action

Correct the error condition indicated by the message text. If you cannot correct this condition, or if you need additional help, contact Dell EMC Customer Support for guidance.

QOC0001E

Default group ID of 0 cannot be used

Cause

When adding a group, ID(0) was specified.

Action

Specify a value of 1-8.

QOC0002E

Cannot allocate more than maximum allowed

Cause

The MAXCACHE value is more than allowed.

Action

Correct the specified value.

QOC0003E

Cannot allocate less than minimum allowed

Cause

The MINCACHE value is less than allowed.

Action

Correct the specified value.

QOC0004E

Group name already exists

Cause

The group name is already in use.

Action

Specify a different group name.

QOC0005E

Number of devices cannot be zero

Cause

A request was made specifying 0 devices.

Action

Correct the specified value.

QOC0007E

Group ID already exists

Cause

The group ID is already in use.

Action

Specify a different group ID.

QOC0008E

Maximum number of groups already defined

Cause

The add group request exceeds the maximum allowed groups.

Action

Delete an existing group and try the add group request again.

QOC0009E

Default group below minimum allowed

Cause

The TARGET value for default group 0 would be below the minimum (10%) allowed.

Action

Correct the request and specify a valid value.

QOC0010E

Illegal group id

Cause

The group ID is invalid.

Action

Specify a valid group ID.

QOC0011E

Write pending more than maximum allowed

Cause

The WP parameter is invalid.

Action

Correct the specified value.

QOC0012E

Write pending less than minimum allowed

Cause

The WP parameter is invalid.

Action

Correct the specified value.

QOC0013E

Minimum allocation more than target allocation

Cause

The MINCACHE value cannot be more than the TCACHE value.

Action

Correct the specified values.

QOC0014E

Maximum allocation less than target allocation

Cause

The MAXCACHE value cannot be less than the TCACHE value.

Action

Correct the specified value.

QOC0015E

Group id bigger than maximum allowed

Cause

The group ID is greater than the maximum allowed.

Action

Correct the specified value.

QOC0017E

Powervault device in range

Cause

A Powervault device was included.

Action

Remove the invalid device from the range.

QOC0018E

VCM device in range

Cause

A virtual device was included.

Action

Remove the invalid device from the range.

QOC0019E

Gatekeeper device in range

Cause

A designated gatekeeper was included.

Action

Remove the invalid device from the range.

QOC0020E

META device in range

Cause

A meta device was included.

Action

Remove the invalid device from the range. If you want to move or add a meta device, use the TYPE option.

QOC0021E

Device range beyond last system device

Cause

A device in the range exceeded the number of devices in the storage system.

Action

Correct the specified value.

QOC0022E

RDF device in range

Cause

The device ranges includes an SRDF/A device.

Action

SRDF/A devices can only be added or moved using the RDFG option. Use the RDFG option to move the whole group.

QOC0023E

Striped CKD device in range

Cause

The device ranges includes a striped CKD device.

Action

Remove the device from the range. Use the SCKD option to add or move this type of device.

QOC0024E

RDF group does not exist

Cause

The SRDF group does not exist.

Action

Specify a valid group.

QOC0025E

Number of devices must be zero

Cause

For this request you must specify 0.

Action

Correct the specified value.

QOC0026E

Illegal RDF group

Cause
An invalid SRDF group ID was specified.
Action
Correct the specified value.

QOC0027E

Start device not a META head

Cause
META head not specified.
Action
Specify the META head device.

QOC0028E

Number of devices must be zero

Cause
For this request you must specify 0.
Action
Correct the specified value.

QOC0029E

Device is not a striped CKD

Cause
A striped CKD device was not specified.
Action
Correct the specified value.

QOC0030E

Number of devices must be zero

Cause
For this request you must specify 0.
Action
Correct the specified value.

QOC0031E

RDF group is empty

Cause
The group does not contain any devices.
Action
Check to be sure you have specified the proper group.

QOC0032E

Cannot delete the DEFAULT group

Cause

The DEFAULT_PARTITION cannot be deleted.

Action

Correct the specified value.

QOC0033E

Group does not exist

Cause

The partition group does not exist.

Action

Correct the specified value.

QOC0034E

Invalid group id

Cause

During global memory compare, a mismatch was found between group IDs.

Action

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

QOC0035E

Invalid allocation percentage

Cause

During global memory compare, a mismatch was detected in cache allocation, minimum, or maximum percentage for a group.

Action

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

QOC0038E

Invalid slots per extent

Cause

During global memory compare, a mismatch in minimum or maximum slots per extent was detected.

Action

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

QOC0039E

Invalid donation age

Cause

During global memory compare, a mismatch in donation age was detected.

Action

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

QOC0040E

Invalid write pending limit

Cause

During global memory compare, a mismatch in write pending limit was detected.

Action

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

QOC0041E

Invalid destage priority

Cause

During global memory compare, a mismatch in destage priority was detected.

Action

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

QOC0042E

Invalid device count

Cause

During global memory compare, a mismatch in device count was detected.

Action

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

QOC0048E

Undefined Group

Cause

The partition group does not exist.

Action

Correct the specified values.

QOC0049E

Default group below minimum allowed

Cause

The MINCACHE value specified is below the minimum allowed.

Action

Correct the specified value.

QOC0050E

Unknown Option

Cause

An unknown option was specified.

Action

Correct the specified value.

QOC0051E

Cannot change default group name

Cause

The default group name cannot be changed.

Action

Correct the specified value.

QOC0052E

Cannot change default group allocation

Cause

The default group cannot be modified.

Action

Correct the specified value.

QOC0053E

Invalid DSTAGE priority

Cause

The specified value is invalid.

Action

Correct the specified value.

QOC0054E

Invalid default group

Cause

During the validation process, the default group was found to have an invalid configuration.

Action

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

QOC0055E

Invalid cache partition id

Cause

During the validation process, a group was found with an invalid group ID.

Action

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

QOC0056E

Duplicate cache partition id

Cause

During the validation process, duplicate group IDs were found.

Action

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

QOC0057E

Invalid cache allocation

Cause

During the validation process, the minimum, target, and maximum cache allocation for a group are not specified according to the min <=target <=max rule.

Action

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

QOC0058E

Invalid number of slots per extent

Cause

During the validation process, the number of slots per extent was found to be invalid.

Action

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

QOC0059E

Invalid total cache allocation

Cause

During the validation process, the total allocation for all configured groups was found to be not equal to 100%.

Action

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

QOC0060E

Invalid SRDFA configuration

Cause

During the validation process, SRDF/A devices were found to be spanning groups.

Action

Be sure all the SRDF/A devices are in the same group.

QOC0061E

Invalid spillover device

Cause

During the validation process, the Delta Set Extension feature (spillover) was found to be active.

Action

Delta Set Extension and DCP cannot be active at the same time.

QOC0062E

XRC partition not defined

Cause

The XRC partition is not defined.

Action

Define an XRC partition.

QOC0064E

Cache partition group does not exist

Cause

The partition group ID does not exist.

Action

Correct the specified value.

QOC0065E

Number of devices greater than maximum allowed

Cause

The number of devices exceeded the maximum allowed.

Action

Decrease the amount of devices in the request.

QOC0066E

Invalid type specified

Cause

The TYPE parameter is invalid.

Action

Correct the specified value.

QOC0068E

XRC partition not defined

Cause

The XRC partition is not defined.

Action

Define an XRC partition.

QOC0069E

XRC partition has a non zero device count

Cause

The XRC partition has a non-zero device count.

Action

The XRC partition cannot have devices. Define a different XRC partition or move the devices.

QOC0070E

XRC partition configuration error

Cause

An XRC partition configuration error has occurred.

Action

Redefine the XRC partition.

QOC0071E

XRC partition already defined

Cause

The XRC partition is already defined.

Action

Only one XRC partition can be defined.

QOC0072E

XRC cannot use the default partition

Cause

XRC cannot use the default partition.

Action

Choose another partition for the XRC partition.

QOC0073E

XRC is active

Cause

XRC is active.

Action

Disable the XRC partition.

QOC0078E

Cannot delete an active XRC partition

Cause

The active XRC partition cannot be deleted.

Action

You must disable the XRC partition before it can be deleted.

QOC0080E

Not all devices are in the special range

Cause

Validation failed, some devices for a special range (META, RDFG, SCKD) are missing.

Action

Verify that all special ranges include all devices.

QOC0088E

Illegal option

Cause

An invalid option was specified.

Action

Remove the invalid option.

QOC0096E

Invalid Cache Partitioning setup

Cause

Validation failed, there is an invalid setup.

Action

Be sure that all partitions contain valid devices. SRDF/A groups cannot span multiple partitions.

QOC0101E

Cache scan failure

Cause

When adding a cache group the scan failed.

Action

Check the group add parameters.

QOC0102E

Insufficient cache allocation

Cause

One or more cache partitions would have an insufficient allocation.

Action

Check all partition allocations and modify cache allocation as needed.

QOC0103E

Unacceptable write pending delay

Cause

This configuration would cause unacceptable write pending delays.

Action

Check all partition allocates and correct.

QOC0104E

Perma Cache count greater than 50% of the cache allocation

Cause

The Perma Cache count is greater than 50% of the cache allocation.

Action

Alter the partition definitions.

QOC0112E

Configuration change not allowed

Cause

A configuration change is not allowed.

Action

Check the configuration.

QOC0113E

Directors were found that are not ready

Cause

Some directors are not ready because they are already processing a command.

Action

Try the command again.

QOC0114E

The director bitmask could not be set

Cause

The internal bitmask could not be set.

Action

Try the command again.

QOC0115E

Could not unconditionally set director bitmask

Cause

The internal bitmask could not be set.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

QOC0116E

Invalid group id

Cause

The group ID is invalid.

Action

Specify a valid group ID.

QOC0117E

Group not defined

Cause

The specified group does not exist.

Action

Correct the specified value.

QOC0118E

Not initialized

Cause

The DCP environment is not initialized.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

QOC0119E

Invalid runtime parameter

Cause

One of the DCP runtime parameters is invalid.

Action

Check the DCP configuration.

QOC0120E

Invalid runtime parameter value

Cause

One of the DCP runtime parameter values is invalid.

Action

Check the DCP configuration.

QOC0121E

Invalid minimum allocation for analysis only mode

Cause

Invalid minimum allocation for analysis-only mode.

Action

Use a proper value for analysis mode.

QOC0122E

Invalid maximum allocation for analysis only mode

Cause

Invalid maximum allocation for analysis-only mode.

Action

Use a proper value for analysis mode.

QOC0123E

Invalid donation age for analysis only mode

Cause

Invalid donation age for analysis-only mode.

Action

Use a proper value for analysis mode.

QOC0124E

Cache Partitioning is disabled for analysis mode

Cause

Cache Partitioning is disabled for analysis mode.

Action

DCP must be enabled for analysis mode.

QOC0125E

Unknown run time parameter

Cause

Unknown run time parameter.

Action

Check and correct any invalid values.

QOO0001E

Record limit of 256 bytes exceeded

Cause

The input records exceeded the buffer area.

Action

Decrease the amount of devices.

QOO0002E

Device greater than last device in control unit

Cause

A device that does not exist on the storage system was requested.

Action

Correct the specified value.

QOO0003E

The specified LRU is not configured

Cause

The LRU does not exist.

Action

Correct the specified value.

QOO0004E

A device mask of 0 is invalid

Cause

The device mask is invalid.

Action

Correct the specified value.

Q000005E

Illegal cache service request

Cause

The specified service is not valid.

Action

Correct the specified value.

Q000006E

Illegal priority specified

Cause

The specified priority is not valid.

Action

Correct the specified value.

Q000007E

Illegal opcode

Cause

Internal error.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation (including the return code) available.

Q000008E

Write pending limit reached for this LRU

Cause

The write pending limit has been reached.

Action

Choose a different LRU.

Q000009E

Write pendings on device - cant continue

Cause

The device has write pending requests.

Action

Choose a different device.

QOP0001E

Invalid Priority specified

Cause

Invalid priority specified.

Action

Correct the specified value.

QOP0002E

Invalid SPC (not 1 to 10 hex)

Cause

Invalid SPC specified.

Action

Correct the specified value.

QOP0003E

Invalid SPC Validity Stamp

Cause

SPC has not been initialized.

Action

Initialize SPC.

QOP0004E

Invalid Global Statistics Update Interval

Cause

An invalid update interval was specified.

Action

Correct the specified value.

QOP0005E

Command not executed - Lock held

Cause

A lock was held and the command cannot be executed.

Action

Re-issue the command.

QOP0006E

No Statistics Buffers available

Cause

All statistics buffers are allocated.

Action

Remove and re-assign the devices.

QOP0007E

Invalid device number

Cause
The device number is not valid.
Action
Correct the specified value.

QOP0008E

Invalid Local/Global Mask

Cause
Invalid mask specified.
Action
Correct the specified value.

QOP0009E

Invalid Common Control Bits

Cause
The common control bits are not correct.
Action
Correct the specified value.

QOP0010E

Invalid Director Control Bits

Cause
The director control bits are not correct.
Action
Correct the specified value.

QOP0011E

SPC is not enabled

Cause
SPC is disabled.
Action
Enable SPC.

QOP0012E

Invalid input parameters

Cause
The input parameters are not correct.
Action
Correct the specified value.

QOS0500E

Snap error

Cause

An error occurred during a snap operation.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation (including the return code) available.

QOS0501E

QOSSNAP DD Statement Missing

Cause

The DEBUG (SNAP) command was specified but the DD statement is missing.

Action

Add the specified DD statement.

QOS0502E

QOSSNAP DCB Open Error

Cause

An error occurred while opening the specified DCB.

Action

Check the definition of the QOSSNAP DD.

QOS1000E

QOSINPUT DD Statement Missing

Cause

The specified DD statement is missing.

Action

Add the specified statement.

QOS1001E

QOSINPUT DCB Open Error

Cause

An error occurred while opening the specified DCB.

Action

Check the definition of the specified DD.

QOS1003E

QOSPRINT DCB Open Error

Cause

An error occurred while opening the specified DCB.

Action

Check the definition of the specified DD.

QOS1004E

The UCB for the beginning CUU was not found or is invalid

Cause

The SCANUCB for the specified CUU has failed.

Action

Check to be sure that the CUU device is valid.

QOS1005E

The number of devices requested exceeds 680.

Cause

The QOSGET request cannot exceed 680 devices.

Action

Do not request more than 680 devices for Enginuity 5x69 and later levels of the operating environment, or more than 2000 for Enginuity 5x69 and earlier.

QOS1006E

Device range invalid.

Cause

The beginning CUU for a range request is greater than the ending CUU.

Action

Check to be sure that the CUU device range is valid.

QOS1007E

The device specified is not a valid device

Cause

The FC01 call has determined that the device is not valid. SYMPHYGD is not set.

Action

Check to be sure that the CUU specified is valid.

QOS1008E

The FC01 SAI call failed.

Cause

The SAI call failed.

Action

Check the error codes returned.

QOS1009E

The device specified is not an EMC device

Cause

FC01 has determined that the device is not a Dell EMC device.

Action

Be sure QOS is run against a Dell EMC device only.

QOS1010E

The Enginuity level is invalid

Cause

FC01 has determined that the operating environment level is not valid. MCLINVLD is set.

Action

Be sure the proper operating environment level is installed.

QOS1011E

The Microcode level must be 5x66+

Cause

The operating environment level must be 5x66 or later.

Action

Ensure the proper operating environment level is installed.

QOS1012E

The device *device_type* is not supported. Must be 3990, 3880, 2105, or 2107.

Cause

QOS was run against an invalid device type.

Action

Be sure QOS runs against one of the supported device types.

QOS1013E

The SAI call failed.

Cause

Global configuration data could not be obtained.

Action

See the return values to determine the cause.

QOS1014E

The FC10 SAI call failed.

Cause

Because the FC10 request failed, the QOS request could not be processed.

Action

See the return values to determine the cause.

QOS1015E

An error occurred while closing the QOSINPUT DCB

Cause

An error occurred while closing the specified DCB.

Action

See the return values to determine the cause.

QOS1016E

An error occurred while closing the QOSPRINT DCB

Cause

An error occurred while closing the specified DCB.

Action

See the return values to determine the cause.

QOS1017E

An error occurred while closing the SNAP DCB

Cause

An error occurred while closing the specified DCB.

Action

See the return values to determine the cause.

QOS1018E

LRU option not supported at this microcode level

Cause

The LRU option is not supported at the current operating environment level.

Action

Do not specify the LRU option.

QOS1019E

The UCB for the ending CUU was not found or is invalid

Cause

The SCANUCB for the specified CUU has failed.

Action

Check to be sure that the CUU device is valid.

QOS1020E

An error occurred while closing the SYSPRINT DCB

Cause

An error occurred while closing the specified DCB.

Action

See the return values to determine the cause.

QOS1021E

A bad command was encountered

Cause

An unsupported command was specified.

Action

Re-enter a supported command.

QOS1023E

The print request failed

Cause

A report line could not be printed.

Action

Be sure the QOSPRINT DD is still valid.

QOS1024E

The snap request failed

Cause

Snap could not dump the requested data.

Action

Be sure the QOSSNAP DD is still valid.

QOS1025E

Snap priority only valid for 5x69+

Cause

Snap priority is not valid.

Action

Correct the specified value.

QOS1026I

Job Completion Status

Cause

Job completion status information.

Action

None.

QOS1027E

An error occurred generating the configuration report

Cause

An error occurred while trying to produce the configuration report.

Action

Check for additional error information.

QOS1028E

The number of devices requested exceeds 2000

Cause

The QOSGET request cannot exceed 2000 devices.

Action

Do not request more than 680 devices for Enginuity 5x69 and later levels of the operating environment, or more than 2000 for Enginuity 5x69 and earlier.

QOS1029E

A maximum of eight LRUs are supported for a Symm4

Cause

A maximum of 8 LRUs are supported for a Symm 4.

Action

Specify an LRU value between 0 and 7.

QOS1030E

Quality of Service runs on a Symm 4 or 5 only

Cause

The QOS application must run on either a Symm 4 or a Symm 5.

Action

Execute QOS against the proper storage system.

QOS1031E

There are no LRUs defined

Cause

You are trying to configure an LRU but no LRUs have been configured for this storage system.

Action

Specify the proper CUU or reconfigure the storage system.

QOS1032E

Quality of Service Multiple LRU support only runs on a Symm 5 and above

Cause

Multi-LRU support does not exist on this storage system.

Action

None.

QOS1033E

The reset command is only supported on a Symm 5 and above

Cause

This command is not supported on this storage system.

Action

None.

QOS1034E

The CUU range specified does not represent contiguous Symm devices

Cause

The CUU range must be contiguous.

Action

Specify a contiguous CUU range.

QOS1035E

The Symmetrix is not set up to use named LRUs

Cause

You are trying to configure a named LRU group but this storage system is not configured for named LRUs.

Action

Configure the storage system for named LRUs.

QOS1036E

LRU is not valid with named LRUs

Cause

You are trying to configure an LRU number but this storage system is configured for named LRU groups.

Action

Specify the LRU group.

QOS1037E

Getmain failure

Cause

Storage could not be obtained.

Action

Check for a resource shortage.

QOS1038E

The microcode level must be 5x72+

Cause

The operating environment level is invalid.

Action

Execute the procedure against the proper storage system.

QOS1040E

Invalid director or range specified

Cause

An invalid director or range was specified.

Action

Correct the specified value.

QOS1041E

Invalid statement order

Cause

A command statement is not in the proper order.

Action

Check the statements and verify that they are in the proper order.

QOS1042E

Required statement missing

Cause

A required statement is missing.

Action

Add the required statement.

QOS1043E

Global previously specified

Cause

The global parameter was specified on a previous statement and local was specified.

Action

Correct the statements to specify either local or global, but not both.

QOS1044E

Local previously specified

Cause

The local parameter was specified on a previous statement and global was specified.

Action

Correct the statements to specify either local or global, but not both.

QOS1045E

Statement count exceeded

Cause

Too many statements were specified.

Action

Remove the excess statements.

QOS1046E

Update Global previously specified

Cause

The global parameter was specified on a previous statement and local was specified.

Action

Correct the statements to specify either local or global, but not both.

QOS1047E

You cannot specify a range when using META or SCKD

Cause

A device range was specified when using the TYPE parameter.

Action

Correct the statement.

QOS1048E

Invalid statement option

Cause

An unsupported option was specified.

Action

Correct the statement.

QOS1049E

Required parameter missing

Cause

A required parameter is missing.

Action

Correct the statement.

QOS1050E

No data returned

Cause

There was no data returned for the request.

Action

Correct the statement or statements.

QOS1051E

The Symmetrix Priority Control (SPC) feature is not licensed

Cause

License check failed.

Action

Specify a valid license key.

QOS1052E

The Dynamic Cache Partitioning (DCP) feature is not licensed

Cause

License check failed.

Action

Specify a valid license key.

QOS1053E

SCF is not running or is unavailable

Cause

SCF is not running or is unavailable.

Action

Specify the proper SCF suffix or be sure SCF is active.

QOS1054E

An error occurred during license validation

Cause

A license validation request failed.

Action

Correct the invalid license key problem.

QOS1055E

Invalid group name - Can only contain A-Z, a-z, 0-9 or _ (not the first or last character)

Cause

An invalid group name has been specified.

Action

Correct the specified value.

QOS1056E

```
Security check failed
```

Cause

The SAF security check failed.

Action

Be sure the class QS#BASE is defined. For Dynamic Cache Partitioning, you must have access to the resource QOS-DCP. For Symmetrix Priority Control, you must have access to the resource QOS-SPC.

QOS1057E

```
MAXCACHE value is invalid
```

Cause

The MAXCACHE value is invalid.

Action

Check and correct the value.

QOS1058E

```
MINCACHE value is invalid
```

Cause

The MINCACHE value is invalid.

Action

Check and correct the value.

QOS1059E

```
Age value is invalid
```

Cause

The Age value is invalid.

Action

Check and correct the value.

QOS1060E

```
Check Patch Error. Required patches could not be verified
```

Cause

A Check Patch error occurred. Required patches could not be verified.

Action

An error occurred while trying to verify the required patch. Contact Dell EMC Customer Support.

QOS1061I

Required Enginuity patch not applied

Cause

The required operating environment patch is not applied.

Action

Apply any required patches.

QOS1062E

Priority value not supported at this Enginuity level

Cause

The priority value is not supported at this level of the operating environment.

Action

Adjust the value or apply any required patches.

QOS1063E

XRCP is not supported at this Enginuity level

Cause

XRCP is not supported at this level of the operating environment.

Action

Install the proper operating environment level.

QOS1064E

Inconsistent serial number. The requested CUU resides on a different control unit

Cause

Inconsistent serial number. The requested CUU resides on a different storage system.

Action

All specified devices must be on the same storage system.

QOS1065E

The Config Global request failed

Cause

The Config Global request failed.

Action

An error occurred while processing the global request. Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center.

QOS1066I

BCVP, SCRCP and LRUNAME are not supported at this Enginuity level and will be ignored

Cause

An invalid but tolerated parameter was specified and executed with Enginuity 5875 or a later level of the operating environment.

Action

None.

QOS1067I

```
BCVP has no effect at this Enginuity level
```

Cause

This message indicates that the QOSSET command BCVP parameter has no effect when using Enginuity 5874.

Action

None.

QOS1068I

```
The QOS command completed successfully
```

Cause

SETCPYP/SETDEVCP or QOSSET was run with Enginuity 5875 or a later level of the operating environment.

Action

None.

QOS1070E

```
The specified filters have excluded all devices
```

Cause

The specified NOT priority filters have excluded all devices.

Action

Modify the filters and resubmit the command.

QOS1071E

```
Symmetrix serial number not found
```

Cause

The specified storage system serial number does not match any storage system.

Action

Check the serial number and reenter it in the command.

QOS1072E

```
No devices found in specified RA group
```

Cause

The specified SRDF group number does not match any SRDF groups.

Action

Check the SRDF group number and reenter it in the command.

QOS1073E

```
No devices found in POOL
```

Cause

No devices were found in the specified pool.

Action

Reissue the command using a different pool name.

QOS1074E

Specified pool name not found

Cause

The specified pool name is not located.

Action

Check the pool name and reissue the command.

QOS1075E

Error occurred while trying to obtain pool devices

Cause

Call to General Pool Manager (GPM) failed to obtain pool information.

Action

Examine the input, verify the PowerMax or VMAX channel address, the log device number(s), and any other relevant information. If any errors are found, correct the error, and submit the job again. If no errors are found, recreate the error with a GTF trace and contact the Dell EMC Customer Support Center.

QOS1076E

message-text

Cause

This message is issued when a syscall error has occurred. *message-text* describes the syscall error condition in further detail.

Action

Correct the error condition indicated by the message text. If necessary, contact the Dell EMC Customer Support Center.

QOS2000E

SYSPRINT DD Statement Missing

Cause

The specified DD statement is missing.

Action

Add the specified statement.

QOS2001E

SYSPRINT DCB Open Error

Cause

An error occurred while opening the specified DCB.

Action

Check the definition of the specified DD.

RRMT006E

DEVICE *syndv#* IS NOT AN R1

Cause

The specified device does not have a remote device associated with it.

Action

Specify a valid R1 device that is associated with a remote device. Submit again.

RRMT007E

```
PARM ERROR: error-text
```

Cause

A parameter error was encountered. *error-text* can be one of the following:

- NO PARAMETER LIST PASSED
- DATA WORKAREA INVALID
- UCB IN PARM LIST INVALID
- UCB CHECK FAILED
- UNKNOWN DEVICE TYPE
- SYMDEVICE VALIDATION FAILED
- DEVICE HAS NO R2
- MIRROR NOT READY
- TRKS/CYL INCORRECT
- NO THIRF PARM IN PARM LIST

Action

Correct the parameter list and resubmit the command.

RRMT008E

```
CUU=cuu MICROCODE LEVEL MUST BE 5X69 OR HIGHER
```

Cause

The operating environment level of the storage system does not support remote access to data.

Action

Upgrade the storage system to Enginuity 5x69 or a later level of the operating environment.

RRMT009I

```
RA/DEV = srdfgrp/symdv# (single hop)
```

Cause

This message identifies the SRDF group and the device.

Action

None.

RRMT012I

```
NO RA/DEV# SPECIFIED. CHOOSING FIRST ONE
```

Cause

A combination of the SRDF group and the PowerMax or VMAX device number was not specified. The system is choosing the first available *srdfgrp/symdv#* combination.

Action

If this is correct, leave as is, or specify another SRDF group and the PowerMax or VMAX

device number.

RRMT014E

```
RA/DEV# SPECIFIED NOT FOUND - TERMINATING
```

Cause

One of the SRDF group and device number combinations is not found in the system.

Action

Check all SRDF group and device number combinations in the input parameter list (RMT syntax), correct it and resubmit.

RRMT015I

```
HOPS=xx RAG(S)=... TGT R2 DEVICE=symdv#
```

Cause

Shows the SRDF groups and R2 device which was found or specified in the parameters list.

Action

None.

RRMT016I

```
MAX #CYL=cccccccc FOR DEVICE
```

Cause

Shows the maximum number of cylinders for the device specified in the previously issued message RRMT015I.

Action

None.

SCF0000I

```
Dell EMC ResourcePak Base VERSION vrm (Level level) STARTUP
```

Cause

The message is issued during ResourcePak Base initialization sequence. Identifies the ResourcePak Base version.

Action

None.

SCF0001I

```
SCF ADDRESS SPACE VECTOR TABLE AT xxxxxxxx
```

Cause

This is a debug message.

Action

None.

SCF0002I

```
EMC $SASECSA TABLE AT xxxxxxxx
```

Cause

This is a debug message.

Action

None.

SCF0003I

```
SCF SHUTDOWN due to environment manager termination
```

Cause

A catastrophic error has occurred in the SCF environment manager causing it to terminate and has resulted in the termination of the SCF address space.

Action

Restart the SCF address space. Contact the Dell EMC Customer Support Center.

SCF0004E

```
SCF cannot be started as the system architecture level is not supported
```

Cause

SCF cannot be started as the system architecture level is at too low a level. On startup, SCF checks for PSAESAME to verify the required z/Architecture support. This is the minimum supported architecture level for Dell EMC products.

Action

None.

SCF0011I

```
SUBSYSTEM INTERFACE ACTIVATED
```

Cause

This message is issued during SCF initialization sequence.

Action

None.

SCF0012I

```
SUBSYSTEM INTERFACE DEACTIVATED
```

Cause

This message is issued during SCF shutdown sequence.

Action

None.

SCF0013E

```
IEFSSI aaaaaaa REQUEST ERROR - RC: nn RS: nn; CLEANUP REQUIRED
```

Cause

While establishing and activating the subsystem interface for SCF, a non-zero return code was received for the indicated request. The z/OS service IEFSSI return code xxxxxxxx and reason code yyyyyyyy are documented in the MVS Assembler Service Reference Manual.

Action

Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If

the reason for the error cannot be determined, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation, including the SYSLOG and job log.

SCF0014E

```
IEFSSVT aaaaaaaaa REQUEST ERROR - RC: nn RS: nn; CLEANUP REQUIRED
```

Cause

While establishing and activating the subsystem interface for SCF, a non-zero return code was received for the indicated request. The z/OS service IEFSSVT return code xxxxxxxx and reason code yyyyyyyy are documented in the MVS Assembler Service Reference Manual.

Action

Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If the reason for the error cannot be determined, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation, including the SYSLOG and job log.

SCF0060E

```
jobname(JOBnnnnn) Registration error, EMCDASD failed: RC xxxx, CUU  
ccuu
```

Cause

Host Application Registration failed due to an internal EMCDASD error.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation (including the return code) available.

SCF0061E

```
jobname(JOBnnnnn) Registration error, ALESERV failed: RC xxxx, CUU  
ccuu, CNTRL symm-serial
```

Cause

Host Application Registration failed due to an internal ALESERV error.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF0062E

```
jobname(JOBnnnnn) Registration error, Unable to locate CDE, CUU  
ccuu, CNTRL symm-serial
```

Cause

Host Application Registration failed because the CDE control block for the executing program could not be located.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF0063E

```
jobname(JOBnnnnn) Registration error, Unable to locate Controller,  
CUU ccuu, CNTRL symm-serial
```

Cause

Host Application Registration failed because of an internal error in locating the storage system table in the SCF address space.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF0064W

```
jobname(JOBnnnnn) Registration error, APPBUF capacity exceeded,  
CUU ccuu, CNTRL symm-serial
```

Cause

Host Application Registration failed because the internal APPBUF table capacity has been exceeded.

Action

None. SCF will re-use the oldest entry.

SCF0065W

```
jobname(JOBnnnnn) Unable to Register, SEL nn not available, CUU  
ccuu, CNTRL symm-serial
```

Cause

Host Application Registration failed because Symmetrix External Lock *nn* could not be obtained.

Action

This should be a transient error. If the error persists, contact the Dell EMC Customer Support Center.

SCF0066E

```
jobname(JOBnnnnn) Registration failed: RC xxxx, EMCRC xxxx, EMCRS  
xxxx, CUU ccuu, CNTRL symm-serial
```

Cause

Host Application Registration failed.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF0067E

```
jobname(JOBnnnnn) Registration disabled, maximum Controller errors  
exceeded, CNTRL symm-serial
```

Cause

Host Application Registration has been disabled for the indicated storage system because the storage system error threshold has been exceeded.

Action

Review the SCF job log for related error messages. Contact the Dell EMC Customer Support Center.

SCF0068E

```
jobname(JOBnnnnn) Registration disabled, maximum total errors exceeded
```

Cause

Host Application Registration has been disabled for the SCF address space.

Action

Review the SCF job log for related error messages. Contact the Dell EMC Customer Support Center.

SCF0069I

```
jobname(JOBnnnnn) Registration Lock released, Holdtime nnnn, CUU ccuu, CNTRL symm-serial
```

Cause

This message is issued by EMCSAIL on behalf of a job. The message is written to the SCF job log.

Action

None.

SCF0070I

```
Host registration for EMC (application-name) failed
```

Cause

The write of the application registration information to the storage system failed.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF0071I

```
REFRESH/RESCAN STARTED AT time1 GMT - TIMER POPPED AT time2 GMT
```

Cause

The last refresh or rescan was started at *time1*. The last automated rescan occurred when the timer popped at *time2*. If the times are different, then an application requested either a refresh or a rescan and the started time reflects when that occurred.

Action

None.

SCF0100I

```
Symmetrix Control Facility version vrm now active (newlvl,highlvl)
```

Cause

This message is issued during the ResourcePak Base SCF component initialization sequence to show version information:

- *vrm* is SCF version.

- *newlvl* is the most recent SCF maintenance level applied.
- *highlvl* is the highest SCF maintenance level applied.

Action

None.

SCF0201W

```
SHUTDOWN NOT ALLOWED, env-type ENVIRONMENT HAS count ACTIVE TASKS
```

Cause

SCF shutdown was requested but cannot be processed as the indicated environment has active tasks. These tasks must complete prior to SCF, allowing a shutdown to proceed. If the SRV environment is indicated, the active tasks generally belong to external applications that require SCF to remain active.

Action

The tasks must be shutdown in accordance with the documented procedure for the environment. Wait for the active tasks to complete for the environment, and then try the shutdown request again.

If the MSC environment is indicated and multiple MSC groups are defined, an MSC,DISABLE for a specific MSC group will not delete the MSC definition. An MSC,DISABLE for all groups will delete the definition as well as disable the MSC environment.

If the SRV environment is indicated and any external application that requires SCF to remain active (for example, ChangeTracker) is running, the batch job must complete and (or) the application must be shut down in accordance with the documented procedure for that application. Once the application is no longer running, try the shutdown request again. If no applications that require SCF to be active are running, the following command may be issued to decrease the count by one, allowing a subsequent shutdown request to succeed:

```
/F emscsf SRV,SYSBUSY DECREMENT
```

SCF0202W

```
SHUTDOWN REQUEST IGNORED
```

Cause

The SCF shutdown request has been ignored. Refer to other messages which have been issued to indicate the reason.

Action

See message SCF0201W.

SCF0203I

```
TERMINATION DELAY DUE TO ACTIVE ENVIRONMENT: env-type TASK: task-id
```

Cause

This message is issued during SCF shutdown sequence to identify the environments and tasks that are delaying termination.

SCF will wait up to 10 minutes for all environments to terminate before ending.

Action

None. If SCF does not terminate, contact the Dell EMC Customer Support Center.

SCF0301I

message-text

Cause

This message echoes each command in the input configuration file to the job log.

Action

None.

SCF0311E

ENVIRONMENT FOR COMMAND *command* NOT REGISTERED

Cause

A command was entered for an environment, but the environment was not active.

Action

Verify the following:

- The necessary initialization parameters were specified to activate the specified environment.
- The necessary product libraries (the product LINKLIB, for example) are present in the SCF startup JCL.
- That devices or resources for that environment are available. If device discovery is still in process, wait for the environment to be initialized. Contact the Dell EMC Customer Support Center.

SCF0312E

RANGE *value1-value2* IS NOT VALID; LOW VALUE CANNOT BE GREATER THAN THE HIGH VALUE

Cause

While parsing the input data stream with PARM_VERIFY=YES specified, a syntax error was detected. A range specified as *value1-value2* is not valid. The starting value is less than the ending value.

Action

Correct the input data stream.

SCF0313I

message-text

Cause

This message shows the SCFINI command echoed in the job log with PARM_VERIFY=YES specified.

This message is displayed where the command text interpreted by SCFINI parse processing is required to be displayed for subsequent parser error messages. Normally parser messages can accompany message SCF0301I; however, in certain circumstances the values stored by SCFINI processing are transformed from the read value. For example, blanks ' ' will be compressed from values in the input stream, license feature codes will have all values shown as 'xxxx-xxxx-xxxx-xxxx', and so on.

Action

See other parsing messages for further details.

SCF0321I

message-text

Cause

Each console command is echoed to the job log.

Action

None.

SCF0322I

```
INI command COMMAND COMPLETED
```

Cause

SCF initialization completed processing the specified command.

Action

None.

SCF0323E

```
INI command COMMAND FAILED
```

Cause

SCF initialization encountered an error processing the specified command.

Action

Verify the command is valid. Contact the Dell EMC Customer Support Center.

SCF0324E

```
command COMMAND FAILED SYSTEM SECURITY CHECK
```

Cause

The indicated command has failed the system security check.

Action

The security subsystem has denied access to the resource. Contact your security administrator for proper access.

SCF0325E

```
message-text
```

Cause

Displays syntax errors for failed console commands.

Action

Use the information from the message to correct your command and reissue.

SCF0326I

```
Pending command cancelled: command
```

Cause

Following an EMCSF stop or shutdown request, the indicated pending command has been cancelled and will not be processed.

Pending commands are those that have been entered and are waiting to be executed.

Action

None.

SCF0327I

Waiting for command to complete: *command*

Cause

Following an EMCSF stop or shutdown request, the indicated command is still executing and will delay shutdown processing.

This message will be displayed at regular intervals until the command processing completes. Once all commands complete, then EMCSF will continue with shutdown.

Action

Determine the reason for the command delay. If there are any outstanding WTORs for the indicated command, then reply accordingly. Additionally, check for resource contention (for example, using the `D GRS,C z/OS` operator command) that might be delaying the completion of the command. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center.

SCF0328E

INI bad value specified for keyword *keyword* [using *value*]

Cause

An SCF.INI value was specified for indicated keyword in the SCFINI file that was not valid. If an existing, default, or more appropriate value can be determined then this will be indicated by *value*.

Action

Re-enter the command after existing operator commands complete. The command limit can be changed using the SCF.INI.COMMAND.MAX initialization parameter.

SCF0330E

Max command count *count* (active *active-count*, pending *pending-count*) exceeded. Cannot process command *command*

Cause

The indicated operator command could not be processed as the command limit count has been exceeded. The active count is the number of active command processor tasks, and the pending count is the number of commands waiting to be processed.

Action

Re-enter the command after existing operator commands complete. The command limit can be changed using the SCF.INI.COMMAND.MAX initialization parameter.

SCF0331I

message-text

Cause

Each environment command is echoed to the job log.

Action

None.

SCF0332I

ENV *command* COMMAND FOR ENVIRONMENT: *env-type* ACCEPTED

Cause

SCF command processing accepted the indicated command for the indicated environment.

Action

None.

SCF0333E

```
ENV command COMMAND FOR ENVIRONMENT: env-type REJECTED
```

Cause

Syntax error - invalid command.

Action

Contact the Dell EMC Customer Support Center.

SCF0334E

```
ENVIRONMENT env-type INVALID
```

Cause

A command was entered that specified an environment that is unknown to SCF.

Action

Verify that the correct environment was specified when entering the command. Contact the Dell EMC Customer Support Center.

SCF0341I

```
message-text
```

Cause

Each device command is echoed to the job log.

Action

None.

SCF0342I

```
DEVICE command COMMAND ACCEPTED
```

Cause

A device command was accepted and is in process.

Action

Wait for the command to complete.

SCF0343E

```
DEVICE command COMMAND FAILED
```

Cause

The specified command entered has failed. Most likely, because a device is unknown.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF0344I

```
CONTROLLER symm-serial HAS count SUBSYSTEMS
```

Cause

A command was entered to display the information about the specified DASD storage

system.

Action

None.

SCF0345I

```
- ssid ssid ssid ssid ssid ssid
```

Cause

A command was entered to display the information about the specified DASD storage system. This is the list of SSIDs for that storage system.

Action

None.

SCF0346E

```
CONTROLLER controller NOT FOUND
```

Cause

A command was entered to display information about the specified DASD storage system.

Action

The DASD is not available (no physical paths), does not exist, or discovery has not completed.

SCF0347I

```
CONTROLLER symm-serial, SSID ssid HAS count DEVICES
```

Cause

A command was entered to display information about the specified DASD storage system. This is the number of subsystems and the list of devices for that storage system.

Action

None.

SCF0348I

```
- sccuu(volser) sccuu(volser) sccuu(volser) sccuu(volser)
```

Cause

A command was entered to display information about the specified DASD storage system. This is the list of devices for that DASD.

sccuu is the z/OS device number. *volser* can be shown as `OFLINE` for offline devices or `*SPEC*` for special devices.

Action

None.

SCF0349E

```
SSID ssid NOT FOUND
```

Cause

A command was entered to display information about the specified SSID.

Action

The SSID is not registered, does not exist, or discovery has not completed.

SCF0350I

```
sccuu(volser) status ven-symmserial-ssid-symdv#-lcu-ua
```

Cause

A DEV,DISplay,DEVICE or DEV,DIS,VOLUME command was entered to display the information about a specific device or volume.

The fields are as follows:

- *sccuu* - z/OS device number.
- *volser* - z/OS volume serial number.
- *status* - Device (UCB) status as also displayed from the 'D U,DASD' MVS command in addition to the following:
 - SPECIAL indicates the device is a 3390-D in an alternate subchannel set.
 - SPECIAL(S) indicates the device is a 3390-D in an alternate subchannel set and in use by a system component. This can include Mirror Optimizer and AutoSwap R2 devices.
 - OFFLINE(P) indicates the device is offline pending.
 - OFFLINE(S) indicates the device is in use by a system component. This can include Mirror Optimizer and AutoSwap R2 devices.
- *ven* - Vendor ID from the MVS Read Configuration Data command.
- *symmserial* - The storage system serial number.
- *ssid* - The subsystem ID in which the device is included.
- *symdv#* - The PowerMax or VMAX device number for the device.
- *lcu* - The device logical control unit.
- *ua* - The unit address value.

For example:

```
E900(UCR100) ONLINE EMC-000182503028-C401-000100-03-40
```

Action

None.

SCF0351E

```
DEVICE sccuu NOT FOUND
```

Cause

A command was entered to display information about the specified device but the specified device does not exist.

Action

None.

SCF0352E

```
VOLUME volser NOT FOUND
```

Cause

A command was entered to display information about the specified volume but the volume is not online or discovery has not completed.

Action

None.

SCF0353I

message-text

Cause

This is a debug message.

Action

None.

SCF0354I

EVENT NOTIFICATION DEBUGGING IS ON|OFF

Cause

Issued as the result of a SET DEBUG command or initialization parameter to identify the debug status for ENF processing.

Action

None.

SCF0355I

SUBSYSTEM COMMAND DEBUGGING IS ON|OFF

Cause

Issued as the result of a SET DEBUG command or initialization parameter to identify the debug status for subsystem command processing.

Action

None.

SCF0356I

DEVICE *command* COMPLETED

Cause

A command entered for the specified device was completed.

Action

None.

SCF0357I

CONTROLLER *symm-serial* HAS *count* PATHS TO OTHER CONTROLLERS '

Cause

The DEV DIS CNTRL(*symm-serial*) command was entered.

Action

None.

SCF0358I

A RELOAD is already in progress. This request is ignored

Cause

An INI,RELOAD command has already been issued and is in progress.

Action

None.

SCF0359I

```
MHOP RMT CNTRL MC
```

Cause

This message shows column headings for the DEV DIS CNTRL or DEV DIS TOPO command output.

Action

None.

SCF0360I

```
CONTROLLER symm-serial HAS count SUBSYSTEMS AND IS AT MCLEVEL
```

Cause

The DEV DIS CNTRL(*symm-serial*) command was entered.

Action

None.

SCF0361I

```
Gate Keeper Devices ccuu-ccuu
```

Cause

This message lists gatekeeper devices.

Action

None.

SCF0362I

```
MC PATCH NOT APPLIED.
```

Cause

An operating environment patch has not been applied for the operating environment family you are running.

Action

None.

SCF0363I

```
PATCH patch HAS BEEN APPLIED.
```

Cause

The indicated operating environment patch has been applied.

Action

None.

SCF0364E

```
Second device in range must be greater than the first
```

Cause

An SCF command was issued specifying an invalid device range. The second device in the range is not greater than the first. Consequently, the command has failed.

Action

Correct the device range so that the second device is greater than the first, and reissue the command.

SCF0365W

```
No devices found
```

Cause

An SCF device display command was issued, but none of the requested devices are known to SCF.

Action

If the requested devices were specified incorrectly, correct and reissue the command. Otherwise, ensure the devices are accessible and are not excluded from SCF in the SCFINI initialization parameter file. If the devices are inaccessible, issuing MVS commands DS QD and DS P for those devices may provide more information as to what is the problem.

SCF0366I

```
Device totals - Requested: count, Found: count, Excluded: count,  
Not found: count
```

Cause

An SCF DEV,DISPLAY command was issued. This is a summary line indicating the total number of devices requested (specified on the command), found (displayed as a result of the command), excluded (accessible but not defined to SCF), and not found (not accessible).

Action

None.

SCF0367I

```
No devices online  
[Non-EMC devices skipped : nnnnn]  
[Non-EMC devices : nnnnn]  
[Excluded lines by filter : nnnnn]  
[Online devices displayed: nnnnn]  
Online devices in range : nnnnn  
Offline devices in range : nnnnn  
[API device errors : nnnnn]
```

Cause

There were no storage system devices online for the device range specified by the DEV,DISPLAY ONLINE command.

Action

None.

SCF0368I

```
DEVICE ONLINE SUMMARY  
Host name CPU serial Device  
SMFID Online Count  
-----  
 ssss ccccccccc 000000  
-----  
[Non-EMC devices skipped : nnnnn]  
[Non-EMC devices : nnnnn]
```

```
[Excluded lines by filter : nnnnn]
[Online devices displayed: nnnnn]
Online devices in range : nnnnn
Offline devices in range : nnnnn
[API device errors : nnnnn]
[NOTE: Host name not determined,
  CSC has no controller access (user) |
  CSC has no controller access (no-paths) |
  CSC has no controller access (init) |
  CSC has no controller access |
  CSC is not active on any controllers |
  CSC is not active |
  CSC SIGNAL RC: xxxxxxxx, RS: yyyyyyyy
]
```

Cause

Displays the Online Device Summary report produced as a result of the DEV,DISPLAY ONLINE SUMMARY command. See the *ResourcePak Base for z/OS Product Guide* for information about output fields.

The NOTE indicates a reason why CSC could not resolve the CPU serial number to an SMFID. If CSC is not active, then the SMFID cannot be resolved. For other reasons, examine the EMCSCF job log and syslog for other messages. If the reason cannot be determined, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation including the SYSLOG and job log.

Action

None.

SCF0369I

```
DEVICE ONLINE DETAIL
Unit          Controller      Symmdv#      Host          Host name     CPU serial
              |              |             |             |             |
              |              |             |             |             |
-----|-----|-----|-----|-----|-----|
sccuu[-S] | cccccc-cccc | dddddd | ooo | ssss | ccccccccc
              |              |             |             |             |
              |              |             |             |             |
[Non-EMC devices skipped : nnnnn]
[Non-EMC devices : nnnnn]
[Excluded lines by filter : nnnnn]
[Online devices displayed: nnnnn]
Online devices in range : nnnnn
Offline devices in range : nnnnn
[API device errors : nnnnn]
[NOTE: Host name not determined,
  CSC has no controller access (user) |
  CSC has no controller access (no-paths) |
  CSC has no controller access (init) |
  CSC has no controller access |
  CSC is not active on any controllers |
  CSC is not active |
  CSC SIGNAL RC: xxxxxxxx, RS: yyyyyyyy
]
```

Cause

Displays the Online Device Detail report produced with the DEV,DISPLAY ONLINE DETAIL command. See the *ResourcePak Base for z/OS Product Guide* for information about output fields.

The NOTE indicates a reason why CSC could not resolve the CPU serial number to an SMFID. If CSC is not active, then the SMFID cannot be resolved. For other reasons, examine the EMCSCF job log and syslog for other messages. If the reason cannot be

determined, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation including the SYSLOG and job log.

Action

None.

SCF0401I

```
DEVICE LIST HAS BEEN PROCESSED
```

Cause

This message indicates that the device list has been successfully processed.

Action

None.

SCF0402I

```
SER# symm-serial SSID ssid HAS count DEVICES IN SPLIT n [(name)]
```

Cause

This message is displayed for each DASD storage system after device discovery during SCF startup. It shows the number of subsystems, the list of devices, and the logical storage system representation (split) number for the specified storage system.

Action

None.

SCF0403I

```
CONTROLLER symm-serial DISCOVERED
```

Cause

This message is issued during the discover phase of startup by the storage system to indicate progress.

Action

None.

SCF0404E

```
Controller symm-serial REGQUERY failed: RC xxxx, EMCRC xxxx, EMCRS  
xxxx
```

Cause

Host Application Registration failed.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF0405E

```
Controller symm-serial Registration has been disabled
```

Cause

Host Application Registration has been disabled for the indicated storage system.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the

SCF0412I

CONTROLLER *symm-serial* EXCLUDED

Cause

This message is issued during the discover phase of startup by the storage system to indicate progress. It will only be issued if the user has chosen to explicitly exclude a storage system.

Action

None.

SCF0413I

RESCAN COMPLETE

Cause

This message is issued after SCF has validated its internal device tables.

Action

None.

SCF0414I

DEVICE *ccuu* unboxed

Cause

This message is issued during refresh or rescan UNBOX request processing.

Action

None.

SCF0415I

DEVICE *ccuu* was not used as a gatekeeper. [*reason*]

Cause

This message is issued during the discover phase of startup by the storage system while processing user-defined gatekeeper devices.

reason can be one of the following:

- Device is EXCLUDED and BOX'd. - The device is excluded in SCFINI and fixup processing will not be attempted.
- Device is EXCLUDED and not accessible. - The device is excluded in SCFINI and fixup processing will not be attempted.
- Device is not defined. - The device is not genned (defined) to HCD.
- FIXUP failed - Device fixup processing failed. Contact Dell EMC Technical Support.
- FIXUP failure count exceeded max. - Device FIXUP processing failed. Contact Dell EMC Technical Support. Once the failure count max value is reached, an `F emcscf,DEV REFRESH GATEKEEPER` command will be required to allow fixup processing to be performed.
- Gatekeeper device is not accessible. - Device path validation indicated that the device was not accessible after fixup processing was attempted. Verify paths to the indicated device using `DS P,xxxx,1`. Additional CF CHP and VARY

PATH processing may be required to allow access to the device.

Action

None.

SCF0416I

```
REFRESH COMPLETE
```

Cause

This message is issued after SCF has rebuilt its internal device tables.

Action

None.

SCF0417I

```
REFRESH COMPLETE
```

Cause

SCF refreshed its cached data.

Action

None.

SCF0418I

```
CCUU ccuu chosen as SCF Gate Keeper for cntrl(symm-serial)
```

Cause

This message is issued during the discover phase of startup by the storage system while processing user-defined gatekeeper devices.

Action

None.

SCF0419I

```
SSID ssid HAS count DEVICES IN SPLIT n [(name)]
```

Cause

This message is displayed after device discovery during SCF startup. It indicates that the SSID and devices belong to the logical storage system representation (split) number *n*.

Action

None.

SCF0420I

```
Device discovery is complete
```

Cause

This message indicates device discovery has completed.

Action

None.

SCF0421I

```
CNTRL NAME=symm-name
```

Cause

This message displays the assigned storage system name.

Action

None.

SCF0422I

```
SER# symm-serial is remote to this SCF.
```

Cause

This message is issued during the discover phase of startup by the storage system.

Action

None.

SCF0425W

```
SSID ssid already has 256 devices in split n;  
CCUU ccuu/Symm device symdv# not added.
```

Cause

During discovery, SCF has found an excess device in the configuration of a given SSID.

Where:

- *ssid* - SSID value.
- *n* - Partition ID.
- *ccuu* - z/OS device address.
- *symdv#* - PowerMax or VMAX device number.

Action

Reconfigure the storage system. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF0426W

```
SSID ssid is in split n but Symm device symdv# is in split m.
```

Cause

During discovery, SCF has found a storage system device in a different partition than the SSID to which it is assigned.

Where:

- *ssid* - SSID value.
- *n* - Partition ID of the SSID.
- *symdv#* - PowerMax or VMAX device number.
- *m* - Partition ID for the device.

Action

Reconfigure the storage system. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF0427I

```
The device state change table has overflowed, causing a complete  
rediscovery
```

Cause

More devices have changed state than can be tracked in the table, possibly due to an ACTIVATE command or one or more VARY commands. When this happens, a complete rediscovery is needed to ensure that SCF is aware of all the devices currently available to the LPAR.

Action

None.

SCF0428I

```
Emulating 2107 - nnnnnnn0aaaa
```

Cause

nnnnnn0aaaa represents the normalized IBM 2107 serial number. The number is normalized by substituting a 0 for the split ID.

Action

None.

SCF0429E

```
FRGET in SCFDEVIC failed for Controller symmserial; Return Code  
rc Reason Code rs EMCRCX rcx
```

Cause

The API call to obtain the Feature Registration information failed.

Action

Collect the JES message log and any dumps that occurred just prior to this message.
Contact the Dell EMC Customer Support Center.

SCF0430E

```
FRUPDATE in SCFDEVIC failed for Controller symmserial; Return Code  
rc Reason Code rs EMCRCX rcx
```

Cause

The API call to update the Feature Registration information failed.

Action

Collect the JES message log and any dumps that occurred just prior to this message.
Contact the Dell EMC Customer Support Center.

SCF0431E

Format 1:

```
FRGET in SCFCTRLR failed for Remote Controller symmserial; Return  
Code rc Reason Code rs EMCRCX rcx. UCB@ ucb-address Hop List  
hoplist
```

Format 2:

```
FRGET failed for xxx via CUU/Hoplist ccuu/hoplist ; Remote request  
with no links available.
```

Cause

Format 1: The API call to obtain the feature registration information failed.
Format 2: Initialization on a remote storage system fails due to the lack of available links.

Action

Collect the JES message log and any dumps that occurred just prior to this message.
Contact the Dell EMC Customer Support Center.

SCF0432E

```
FRGET in SCFDEVIC failed for Remote Controller symmserial; Return  
Code rc Reason Code rs EMCRCX rcx. UCB@ ucb-address Hop List  
hoplist
```

Cause

The API call to update the feature registration information failed.

Action

Collect the JES message log and any dumps that occurred just prior to this message.
Contact the Dell EMC Customer Support Center.

SCF0433E

```
FRUPDATE in SCFDEVIC failed for Remote Controller symmserial;  
Return Code rc Reason Code rsEMCRCX rcx. UCB@ ucb-address Hop  
List hoplist
```

Cause

The API call to update the feature registration information failed.

Action

Collect the JES message log and any dumps that occurred just prior to this message.
Contact the Dell EMC Customer Support Center.

SCF0434I

```
Gatekeeper Device ccuu is no longer pinned
```

Cause

This message indicates that the gatekeeper device is no longer pinned.

Action

None.

SCF0435E

```
Unable to find Controller to UNPIN Gatekeeper
```

Cause

Unable to locate storage system or the storage system is not responsive.

Action

Check the state of the storage system and reissue the DEV,UNPIN command with the
storage system number.

SCF0436E

```
Unable to UNPIN Gatekeeper device ccuu for controller. RC: nn
```

Cause

Unable to UNPIN the storage system used as gatekeeper or the storage system is not
responsive. See return code *nn*.

Action

Check the state of the storage system and reissue the DEV,UNPIN command with the
storage system number or restart SCF.

SCF0437E

```
Unable to UNPIN Gatekeeper device ccuu for controller. RC:  
rc REASON: rs
```

Cause

Unable to UNPIN the storage system used as gatekeeper or the storage system is not responsive. See return code *rc* and reason code *rs*.

Action

Check the state of the storage system and reissue the DEV,UNPIN command with the storage system number or restart SCF.

SCF0438E

```
PIN token for this controller cannot be found. Check Controller  
number
```

Cause

The pinned storage system number cannot be found.

Action

Check the storage system number and reissue the DEV,UNPIN with the correct storage system number.

SCF0439I

```
DARE is {ON|OFF}
```

Cause

This message indicates the Data At Rest Encryption (DARE) status under Engenuity 5875 or a later level of the operating environment.

Action

None.

SCF0440I

```
Features available on symmserial
```

Cause

Identifies the storage system whose features are being displayed.

Action

None.

SCF0441I

```
feature
```

Cause

The feature available on the storage system identified by the immediately preceding SCF0440I message, where *feature* is the name of an available storage system feature (1 feature per message).

Action

None.

SCF0442E

```
DEV Bad value specified for keyword keyword -  
using keyword=default-value
```

Cause

A value specified for an SCF.DEV parameter (indicated by *keyword*) in the SCF initialization file is invalid. The default value is used instead.

Action

Correct the erroneous value in the SCF initialization file for the parameter indicated in the error message.

SCF0443W

```
DEV No eligible gatekeeper devices were found for controller symm-serial.
```

Cause

SCF was not able to select a gatekeeper for the specified storage system, either because no eligible gatekeeper devices were included in the SCFINI parameter for that storage system (for example, only virtual devices were included) or all eligible gatekeeper devices on that storage system are inaccessible (for example, the devices are in a boxed state).

Action

At least one eligible gatekeeper device for the specified storage system must be included in the SCF initialization file if not included already. Issue the INI,REFRESH command to re-read the parameters. Then issue the DEV,REFRESH command to discover the storage system. If all eligible gatekeeper devices for that storage system are inaccessible or boxed, then at least one of these devices must be unboxed, at which time SCF will automatically discover the storage system.

SCF0444I

```
Controller type is model
```

Cause

This message identifies the model type of a Dell EMC storage system (up to 8 characters).

Action

None.

SCF0445I

```
DEV Configuration change occurred for n controllers (CRC X'nnnnnnnn' -> X'nnnnnnnn')
```

Cause

A configuration change has occurred for at least one storage system that is included in SCF (the number of storage systems is indicated in the message). Either a new storage system was discovered, an existing storage system was removed, the operating environment level of a storage system has changed, new devices were discovered, existing devices were removed, a UCB swap occurred, or any combination of these occurrences.

Action

None.

SCF0446I

```
DEV Configuration change occurred for controller symmserial (CRC X'nnnnnnnn' -> X'nnnnnnnn')
```

Cause

A configuration change has occurred for the indicated storage system. Either the storage system was newly discovered, its operating environment level has changed, new devices

were discovered, existing devices were removed, a UCB swap occurred, or any combination of these occurrences.

Action

None.

SCF0447I

```
DEV An IODF ACTIVATE has been detected, causing SCF to perform a
device rescan
```

Cause

An ACTIVATE command was issued that resulted in devices being added and (or) deleted from the system. This causes SCF to perform a device rescan in order to recognize the changes and update its tables accordingly. This ensures that SCF is aware of all the devices currently available to the LPAR.

Action

None.

SCF0448I

```
Configuration CRC is X'nnnnnnnn' (changes: add = n, delete = n,
swap = n, gtkpr = n, ucode = n)
```

Cause

The DEV,DISPLAY SUMMARY or DEV,DISPLAY CONTROLLER command was issued. This is one of the messages constructing the body of the display. It indicates the current configuration CRC for the named storage system and the total number of changes that included added devices, deleted devices, swapped devices, changed gatekeeper items (in the SCF gatekeeper list) or an operating environment upgrade or downgrade. These counts represent the number of configuration changes, not the number of devices involved in the changes.

A configuration change for a particular storage system is defined as follows. Either the storage system was newly discovered, its operating environment level has changed, new devices were discovered, existing devices were removed, a UCB swap occurred, or a combination of these.

Action

None.

SCF0449I

```
Last configuration change occurred at hh.mm.ss on mm/dd/yy
```

Cause

The DEV,DISPLAY SUMMARY or DEV,DISPLAY CONTROLLER command has been issued. This is one of the messages constructing the body of the display. It indicates the time and date of the last configuration change for the listed storage system.

A configuration change for a particular storage system is defined as follows. Either the storage system was newly discovered, its operating environment level has changed, new devices were discovered, existing devices were removed, a UCB swap occurred, or a combination of these.

Action

None.

SCF0450I

```
Microcode level is major_release.minor_release
```

Cause

The DEV,DISPLAY SUMMARY command has been issued. This is one of the messages constructing the body of the display. It indicates the operating environment level, including major release and minor release, for the listed storage system.

Action

None.

SCF0451I

```
Bundles available on symmserial
```

Cause

Identifies the storage system whose bundles are being displayed.

Action

None.

SCF0452W

```
DEV Syscall syscall_id error error_code occurred for controller  
symm-serial (CUU ccuu Hoplist hoplist)
```

Cause

SCF issued a PowerMax or VMAX system call to the indicated storage system, but an error occurred. The message indicates the system call ID, error code, and gatekeeper CUU. If the storage system is remote to this SCF, the hoplist used to reach the storage system is also indicated.

Action

Ensure the device indicated in the message is accessible. If there is a problem with the device, correct the problem. If the device is inaccessible, issuing MVS commands DS QD and DS P for that device may provide more information as to what is the problem. If the device is accessible and the problem persists, contact Dell EMC Customer Support.

SCF0453W

```
Duplicate SSID ssid defined for controllers symm-serial1 and symm-serial2
```

Cause

During SCF device discovery, the duplicate SSID was observed for the indicated storage systems. This can indicate a configuration issue and may prevent associated devices coming online successfully. Message SCF0654W will be additionally displayed by the DEV,DISPLAY SUMMARY command.

Action

Verify the usage of the SSIDs for the storage systems and, if necessary, update the system configuration to resolved the duplicates.

SCF0454W

```
** NOTE ** SSID ssid also defined for controller symm-serial
```

Cause

Displayed as part of the DEV,DISPLAY SUMMARY command to indicate a duplicate SSID specification for the current storage system, identified by the prior SCF0402I message, and the storage system indicated by *symm-serial*. The systems will have also been identified by message SCF0453W during SCF device discovery.

Action

See message SCF0453W.

SCF0455S

message-text

Cause

A severe error was detected that would cause a system abend in SCF, possibly an overlay of SCF storage. This message accompanies a U0455 user abend.

Action

Determine if something was running at the time of the abend that may have caused the error. Contact Dell EMC Customer Support.

SCF0456E

FRGET failed for *symm-serial* via CUU/Hoplist *ccuu/hoplist*; Remote request with no links available.

Cause

The API call to obtain the feature registration information failed on a remote storage system. The failure is due to a lack of available remote links.

Action

Verify that the storage system has available remote links.

SCF0457E

Invalid SCF.CNTRL.INCLUDE value specified, "cccccccccccc"

Cause

A value specified for an SCF.CNTRL.INCLUDE initialization parameter in the SCF initialization file is invalid.

cccccccccccc is what was read in that was the start of the invalid value.

Action

Correct the SCF initialization parameter to make it follow the proper syntax.

SCF0458E

Invalid SCF.CNTRL.EXCLUDE value specified, "cccccccccccc"

Cause

A value specified for an SCF.CNTRL.EXCLUDE initialization parameter in the SCF initialization file is invalid.

cccccccccccc is what was read in that was the start of the invalid value.

Action

Correct your SCF initialization parameter to make it follow the proper syntax.

SCF0459E

Device *dev#* is not eligible for Dynamic Volume Expansion.

Cause

The indicated device cannot be expanded due to the device not being a DASD, the device is not a PowerMax or VMAX device, or the storage system on which the device resides does not support dynamic volume expansion.

Action

Ensure that the device you are trying to expand is eligible for dynamic volume expansion.

SCF0460E

Device *dev#* is configured with *count1* Cylinders but *count2* was specified.

Cause

The indicated device cannot be expanded due to the new cylinder count *count2* being less than or equal to what the device already had configured of *count1* cylinders.

Action

Ensure that the devices are specified correctly and the cylinder counts are correct.

SCF0461E

Device *dev#* encountered an I/O error, RTC: *retcode* @IOBRC: *iobrc* @IOBRS: *iobrs*.

Cause

An I/O error occurred during device expansion.

Action

Contact your system programmer for reasons behind the I/O error.

SCF0462I

Expand Device totals - Requested: *req*, Found: *fnd*, Excluded: *excl*, Not Found: *nfnd*, Success: *sccs*, Failed: *fail*

Cause

An SCF DEV,EXPAND command was issued. This is a summary line of the DEV,EXPAND command.

req is the number of devices that the command requested to expand.

fnd is the number of devices found.

excl is the number of devices that are accessible, but not defined to SCF.

nfnd is the number of devices not found and those that are not accessible.

sccs is the number of devices that have succeeded expansion.

fail is the number of devices that are ineligible or had an I/O failure or syscall failure.

Action

None.

SCF0463E

Device *symdv#* [RDFG *srdfgrp*] failed expansion due to *reason*

Cause

The indicated device cannot be expanded due to the reason described in *reason*. If the failing device is in an SRDF relationship with the device specified in your DEV,EXPAND command, it is shown as *symdv#* RDFG *srdfgrp* where *srdfgrp* is the SRDF group of the device.

Possible reasons are:

- code 0001 Lock Failure, Retry - The system could not complete the device expansion due to a lock failure.
- code 0009 Device is a TDAT - TDATs cannot be expanded.
- code 0021 Symmetrix busy, Retry Later - The storage system is constrained with the number of concurrent reconfiguration tasks that are in

progress.

- code 0022 Symmetrix busy, Retry Later - The storage system is busy with an active migration.
- code 0024 Space not sufficient - The array has insufficient space to complete the device expansion.
- code 0025 Symmetrix busy, Retry Later - The storage system is busy with BPM.
- code 0026 Expansion Delay - The start of the expansion took longer than was initially anticipated. So the expansion was cancelled.
- code 0026 Page Frame Reclamation timeout - The storage system has ran out of page frames and started a reclamation process. However, the reclamation process has taken longer than 3 minutes.
- code 0027 Flash Space not sufficient - The array has insufficient flash storage to be able to complete the expansion.
- code 002C TDEV SYMMWIN CONTROL is set - The TDEV SYMMWIN Control is set, preventing the expansion from taking place.
- code 002D Symmetrix busy, Retry Later - The storage system is busy with a pending code load.
- code 002F Symmetrix busy, Retry Later - The storage system is busy with SYMMWIN currently in control. Usually this is caused by a reconfiguration script.
- code 004B is Metro, in NDM, PPRC, Clone or RDF Active - The indicated relationship is active on the device so the expansion cannot complete.
- code 005E Session Open - A session is open. Expansion cannot complete until that session is ended.
- code 005F Imported Thin Illegal - An imported thin device cannot be expanded.
- code 0060 Bad Mirror Location - A Bad Mirror Location error has prevented the expansion operation from taking place.
- code 0061 VMWARE Illegal - VMWARE has prevented the expansion operation from taking place.
- code 0062 Has pending deallocating tracks - Expansion cannot proceed when the device has pending, deallocating tracks.
- code 0063 Deallocate in progress - Expansion cannot proceed when a deallocation process is in progress.
- code 0064 Deallocate required - Expansion cannot take place until a deallocation process has taken place.
- code 0065 RDP Clup in progress - An RDP Clup operation is in progress. Try the expansion operation once again once the RDP Clup operation ends.
- code 0066 Has RDP Nodes - RDP nodes are not in the correct order. Try the expansion once again once the conflict is resolved.
- code 0067 Has session in change - Try the expansion operation again, once the session has completed.
- code 006D CU number is illegal - The supplied CU number either does not

exist or is in the incorrect format. Correct the CU number and then try the expansion operation once again.

- code 006F Non-CKD device - You can expand CKD devices only. However you have specified a non-CKD device in the command to start an expansion.
- code 0070 Mixed Types not allowed - You can expand CKD devices only. However, you have specified a mix of CKD and FBA devices in the command to start an expansion.
- code 0071 Mapped on EF exceeds limit - The expansion cannot occur due to the number of devices mapped on EF exceeds the limit.
- code 0072 Alias for FBA not allowed - An alias for an FBA device is not allowed.
- code 0073 In SG - The specified device is part of a storage group.
- code 0074 Not a 3390 device - You can expand 3390 devices only.
- code 0075 Dev size not allowed - The new device size that you have specified is incorrect. Check the value and reissue the expansion command.
- code 0076 Has Star SDDF session - The specified device is in a star SDDF session and so cannot be expanded.
- code 0077 Unsupported LREP relation - The specified device is part of a local replication relationship that this release does not support.
- code 0078 Invalid device - The specified device is invalid.
- code 79 RDF group in limbo - The specified device is part of an SRDF group that is in limbo. Hence the expansion operation cannot occur.
- code 007A RDF group in transmit idle - The specified device is part of an SRDF group that is in the transmit idle state. Hence the expansion cannot occur.
- code code device is not in a state that it can be expanded - The device is in an usable state and so cannot be expanded. Code code is an internal code referring to the type of failure. However, carry out problem determination on the storage system.
- code 8C34 Multihop Communication Error - A multihop communication error occurred. Check the system for more information and note the code code for debug purposes.
- code code Syscall Communication Error - A remote syscall failure occurred. Check the system for more information and note the code code for debug purposes.
- configured RDF group *srdfgrp* has only *count* *cyls* - The device could not expand due to a configured R2 linked through SRDF group *srdfgrp* does not have more cylinders than the R1. An R1 with more cylinders than an R2 means that all cylinders in the R1, cannot be fully mirrored on the R2. You can expand the device by making the link to the R2 Not Ready.
- configured RDF group, *srdfgrp* is 5977 or below - The storage system that hosts the SRDF group is running HYPERMAX OS 5977. Device expansion of SRDF groups on HYPERMAX 5977 is not available.
- configured RDF group *srdfgrp* is currently expanding - The specified

SRDF group *srdfgrp* is currently expanding.

- configured RDF group *srdfgrp* is ineligible to expand - The R1 side of an SRDF relationship must be the same size as the R1 side, or larger. To expand the SRDF group, you must specify RDFG(*srdfgrp*).
- configured RDF group, *srdfgrp* is STAR/SQAR and not supported - Expansion failed because the devices are on the second leg of the STAR environment, and STAR expansion is not supported on PowerMaxOS 5978 without Q32019SR.
- controllers 5977 and below cannot expand with RDF - Expanding devices in an SRDF relationship is not supported on storage systems running HYPERMAX OS 5977 and earlier.
- device being part of an SE managed STAR/SQAR group - SE managed STAR/SQAR groups cannot be expanded.
- device is not in a STAR device group - A command was issued with the STAR option, and the device is not part of an SRDF/Star configuration.
- device is not in a STAR device group, use STARA keyword - Specify the STARA keyword on the command for this device.
- device is not in a SQAR device group - A command was issued with the SQAR option, and the device is not part of an SRDF/SQAR configuration.
- device is not in a STARA device group - A command was issued with the STARA option, and the device is not part of an SRDF/Star-A configuration.
- device is not in a STAR device group, use STAR keyword - Specify the STAR keyword on the command for this device.
- Device *symdv#* failed expansion due to another process holding the lock - Another process such as Snap, zDP, or GDDR is holding the lock. You can use the REC,QRYDLOCK,LOCK9 command to view the availability of the device locks.
- expanding with STAR/STARA/SQAR requires 5978 with Q32019SR - To expand an SRDF/Star, SRDF/Star-A, or SRDF/SQAR configuration, PowerMaxOS 5978 Q32019SR or later is required at all sites included in the configuration.
- expansion interrupted - The expansion operation was interrupted. Check the system for further information.
- expansion took longer than 2 minutes - When an expansion operation begins, the system sets a completion time of 2 minutes. If that time expires before the expansion completes, it is considered a failure. However, the expansion may have completed after the time expired. Use the DEV,DIS,DEC command to verify whether the expansion was successful.
- failure to expand an RDF mirror - The SRDF mirror of the specified device could not be expanded.
- I/O error communicating with device - An I/O error occurred when verifying the device.
- it is currently expanding - The specified device is currently expanding.
- it is an FBA device - The specified device is an FBA device. FBA devices

cannot be expanded with the DEV,EXPAND command.

- Lock Obtain Error, R15:r15 R0:r0 R1:r1 - An error occurred when obtaining the device lock for the specified device. The codes in the reason are debugging information so make a note of them. You can use the REC,GRYDLOCK,LOCK9 command to view the availability of the device locks. Retry after a while to see if the expansion can proceed successfully.
- no controller connection available - The expansion operation could not communicate with the gatekeeper on the specified storage system.
not ready condition - A Not Ready condition prevents rebuilding the VTOC automatically. Make these devices ready and try again.
- RDF group *srdfgrp* is currently synchronizing - The SRDF group that you specified is currently synchronizing. Expansion cannot occur until this synchronization is complete.
- RDF group *srdfgrp* is in an invalid relationship - This may be a result of an R1<->R1 or an R2<->R2 relationship from a failed swap, or a half swap.
- RDFG *srdfgrp* not in configuration or not an R2 - The SRDF configuration does not contain the SRDF group *srdfgrp* that you specified.
- RDF is currently synchronizing - The SRDF group is currently synchronizing. Expansion cannot occur until this synchronization is complete.
- SnapVX/Clone operation in progress - A SnapVX or TimeFinder/Clone event has undefined tracks and so the expansion cannot complete.
- SNOW is not active - The device status indicates that the path is a SNOW path, but SNOW is not active.
- Symmetrix 5977 and below cannot expand with RDF - A device within an SRDF relationship cannot be expanded if the storage system is running HYPERMAX OS 5977 or an earlier level of the operating environment.
- Symmetrix Aborted Expansion - The operating environment on the storage system terminated the expansion. Check the storage system for more information.
- the R1 in RDF group *srdfgrp* is a 5977 - The R1 side of the specified SRDF group is running HYPERMAX OS 5977. Device expansion of SRDF devices is not available on storage systems running HYPERMAX OS 5977.
- the RDFG parameter is only supported on an R1 - The RDFG parameter can only be specified on the R1 side of the SRDF group.
- the STAR/SQAR/STARA parameters are only supported on an R1 - The STAR, SQAR or STARA parameters can only be specified on the R1 side of the SRDF group.
- undefined device error - The specified device is not the correct type and so cannot be expanded.

Action

Fix the problem depending on the reason.

SCF0464I

```
Device RDF Expansion totals - RDF Devices: rdevs, R1s: r1s R2s:
```

r2s.

Cause

After a dynamic expansion with the RDFG keyword specified, the total number of SRDF eligible devices *rdevs*, the number of R1s *r1s*, and the number of R2s *r2s*, are shown.

Action

None.

SCF0465I

Device *dev#* has been expanded to *count* cylinders

Cause

Device expansion has completed for the indicated device, and it now has the indicated number cylinders.

Action

None.

SCF0467I

Attempting to expand *count* device(s)

Cause

The device expansion operation is now going to expand the indicated number of devices using the DEV,EXPAND command.

Action

None.

SCF0468I

Expansion already in progress, waiting.

Cause

An expansion operation is already in progress on the LPAR. The ENQ should prevent other SCF tasks on the same LPAR from running expansions. The operation is queued. The system waits for the currently running operation to complete before beginning the second one.

Action

None.

SCF0469E

Over 256 devices specified, reissue with the ,FORCE parameter to proceed

Cause

A DEV,EXPAND command was issued with more than 256 devices specified. Expanding more than 256 devices at a time is not recommended.

Action

Specify less than 256 per command, or reissue the command with the FORCE option specified.

SCF0472I

STAR/STARA/SQAR {Expansion|success} totals - All Devices: *count*, R1/R11s: *count*, R2/R21/R22s: *count*

Cause

This message shows the total counts of different types of devices that have been expanded in the Star, Star-A, or SQAR configuration (if the corresponding option was specified on the DEV,EXPAND command).

Action

None.

SCF0473I

```
STAR/STARA/SQAR failure totals - All Devices: count,
R1/R11s: count, R2/R21/R22s: count
```

Cause

This message shows the total counts of different types of devices that failed to expand in the Star, Star-A, or SQAR configuration (if the corresponding option was specified on the DEV,EXPAND command).

Action

None.

SCF0474I

```
Due to interruption, totals may not be correct
```

Cause

Indicates that certain errors, such as device expansion timeout, or a connection error during expansion, occurred when processing the DEV,EXPAND command and because of these errors, the state of a device may not be properly shown in message SCF0462I.

Action

None.

SCF0475E

```
Device dev# timed out during expansion; device state unknown
```

Cause

The device timed out during expansion. The device may or may not have expanded.

Action

Verify that the device expanded or not expanded with the DEV,DISPLAY command. You can attempt expansion of the device again, by reissuing the command, even if the device has already expanded.

SCF0476I

```
R2/R21/R22 dev# RDFG srdfgrp1[,srdfgrp2]] is configured with cyls1
Cyls but cyls2 was specified
```

Cause

This message is issued in response to a DEV,EXPAND command to indicate that the specified device has an R2, R21, or R22 at SRDF group *srdfgrp1* (and optionally *srdfgrp2*) that is already large enough so that the specified device does not have to be expanded to allow its R1 to expand. The command will succeed for the specified device.

Action

None.

SCF0480I

Device *ccuu* FIXUP complete. Now available for gatekeeper consideration.

Cause

FIXUP processing is complete for the indicated device. The device can be considered for use as a gatekeeper.

Action

None.

SCF0493W

Value specified for {WARNING|MINOR|MAJOR} threshold is invalid; it must be numeric between 2 and 720.

Cause

An invalid threshold value was specified in the SCF.DSE.WARNING, SCF.DSE.MINOR, or SCF.DSE.MAJOR initialization parameter.

Action

Change the specified value to a number between 2 and 720.

SCF0494W

Value specified for {MINOR|MAJOR} threshold must be greater than the value specified for {WARNING|MINOR} threshold.

Cause

The value specified for SCF.DSE.MINOR must be greater than the value specified for SCF.DSE.WARNING, and the value specified for SCF.DSE.MAJOR must be greater than the value specified for SCF.DSE.MINOR.

Action

Check both threshold values and increase the indicated value.

SCF0495I

Warning DSE Spillover has been occurring on *symm-serial* for *count* minutes.

Cause

SCF has observed used tracks in the spillover (DSE) pools on the specified storage system for a time period equal to or greater than the threshold level specified in the SCF initialization file for the warning level.

Action

The action is dictated by the user's standard operating procedure (SOP) for a DSE spillover occurrence.

SCF0496W

Minor DSE Spillover has been occurring on *symm-serial* for *count* minutes

Cause

SCF has observed used tracks in the spillover (DSE) pools on the specified storage system for a time period equal to or greater than the threshold level specified in the INI file for the MINOR level.

Action

The action is dictated by the user's standard operating procedure (SOP) for a DSE

spillover occurrence.

SCF0497E

```
Major DSE Spillover has been occurring on symm-serial for count
minutes
```

Cause

SCF has observed used tracks in the spillover (DSE) pools on the specified storage system for a time period equal to or greater than the threshold level specified in the INI file for the MAJOR level.

Action

The action is dictated by the user's standard operating procedure (SOP) for a DSE spillover occurrence.

SCF0498I

```
DSE Spillover has stopped on symm-serial
```

Cause

DSE spillover has stopped on the indicated storage system.

Action

None.

SCF0580I

```
LFC cccc-cccc-cccc-cccc (feature) FEATURE ENABLED
```

Cause

This message is issued at startup and after an INI,REFRESH command to indicate that a feature has been enabled using the SCF.LFC.LCODES.LIST initialization parameter.

- *cccc-cccc-cccc-cccc* - The feature code specified in the SCF initialization parameters.
- *feature* - A feature code descriptive string.

Action

None.

SCF0581I

```
LFC cccc-cccc-cccc-cccc (feature) FEATURE REMOVED
```

Cause

This message is issued after an INI,REFRESH command to indicate that a feature code has been removed from the SCF.LFC.LCODES.LIST initialization parameter.

- *cccc-cccc-cccc-cccc* - The feature code which was removed from the SCF initialization parameters.
- *feature* - A feature code descriptive string.

Action

If the feature is to be re-enabled, add to the SCF initialization file prior to issuing the INI,REFRESH command.

SCF0582W

```
LFC cccc-cccc-cccc-cccc DOES NOT MATCH ANY KNOWN FEATURES
```

Cause

This message is issued at startup and after an INI,REFRESH command to indicate that a feature has been specified using SCF.LFC.LCODES.LIST which is not recognized as a valid feature code. *cccc-cccc-cccc-cccc* represents the feature code specified in the SCF initialization parameters.

Action

Verify that the feature specified on the SCF.LFC.LCODES.LIST parameter is a valid value and ensure the correct version of ResourcePak Base is being used. If the reason for this message cannot be determined, contact the Dell EMC Customer Support Center.

SCF0583E

```
LFC cccc-cccc-cccc-cccc INVALID. FEATURE PROCESSING TERMINATED.
```

Cause

This message is issued at startup and after an INI,REFRESH command to indicate that a feature has been specified using SCF.LFC.LCODES.LIST has not been validly specified. *cccc-cccc-cccc-cccc* represents the first 32 characters of feature code which was specified in the SCF initialization parameters. Feature processing stops at the input parameter where this occurs.

Action

Verify that the feature specified on the SCF.LFC.LCODES.LIST parameter is a valid value. If the reason for this message cannot be determined, contact Dell EMC Customer Support Center.

SCF0600S

```
CSC (symm-serial) routine INTERNAL ERROR 'error-text' xxxxxxxx,  
yyyyyyyy, zzzzzzzz
```

Cause

An internal error has occurred for the indicated CSC (Cross System Communication) component.

- *routine* is the routine where the error was detected.
- *error-text* specifies diagnostic information indicating the type.
- *xxxxxxxx*, *yyyyyyyy*, *zzzzzzzz* is specific diagnostic information relating to the error.

Action

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center.

SCF0602E

```
CSC (symm-serial) UNABLE TO OBTAIN EXCLUSIVE USE OF CONTROLLER
```

Cause

CSC cannot initialize for the indicated storage system as another CSC is currently active.

Action

If this occurs often, contact the Dell EMC Customer Support Center.

SCF0603W

```
CSC (symm-serial) UNABLE TO LOCATE A GATEKEEPER DEVICE DURING  
INITIALIZATION
```

Cause

CSC could not locate a gatekeeper device during initialization.

CSC will not complete initialization until a gatekeeper device becomes available. CSC reattempts to locate a gatekeeper at regular intervals. This message is displayed at 5 minute intervals if a gatekeeper cannot be located. When SCF.CSC.VERBOSE is set to NO, SCF0603W is only displayed once when the condition is detected and after each CSC, REFRESH command is entered.

Action

If a list of gatekeeper PowerMax or VMAX device numbers is specified in the SCF initialization file using the SCF.CSC.GATEKEEPER.LIST parameter, ensure that the set of listed devices is valid and the devices are available on the storage system. After making any SCF initialization parameter changes, activate them using the INI,REFRESH command.

SCF0604E

```
CSC (symm-serial) UNABLE TO LOCATE A GATEKEEPER DEVICE DURING
PROCESSING
```

Cause

CSC could not locate a gatekeeper device during processing.

CSC will not continue to retry the gatekeeper location logic until a gatekeeper device becomes available. This message is displayed if the CSC had successfully registered, but either an error occurred on the original gatekeeper or a CSC,REFRESH command was entered and the CSC can no longer locate a suitable gatekeeper.

If a gatekeeper device cannot be located within a reasonable period of time, this host registration will be removed by another CSC-registered host. This period of time is calculated as a value greater than 20 times the value specified or defaulted on the SCF.CSC.IDLEPOLL initialization parameter.

The CSC will re-attempt to locate a gatekeeper at regular intervals. The above message will be displayed at 5 minute intervals if a gatekeeper cannot be located. After a device is located, message SCF0652I will be displayed.

When SCF.CSC.VERBOSE is set to NO, SCF0604E is only displayed a single time when the condition is detected and after each CSC,REFRESH command is entered.

If another host removes this host's registration, CSC automatically re-registers after the gatekeeper is selected.

Action

If a list of gatekeeper PowerMax or VMAX device numbers is specified in the SCF initialization file using the SCF.CSC.GATEKEEPER.*symm-serial*.LIST keyword, ensure that the set of listed devices is valid and the devices available on the storage system. Activate any SCF initialization parameter changes using the INI,REFRESH command followed by a CSC,REFRESH command.

SCF0605W

```
CSC (symm-serial) MCLEVEL DOES NOT SUPPORT CROSS SYSTEM
COMMUNICATION
```

Cause

CSC could not initialize on the indicated storage system as the operating environment level is lower than Enginuity 5x64.

Action

None.

SCF0606E

```
CSC (symm-serial) BAD VALUE SPECIFIED FOR KEYWORD keyword[,  
USING value]
```

Cause

CSC could not process the indicated keyword due to a bad value. Where a default or existing value can be used, this is indicated by *value*.

Action

Examine the SCF initialization file for the indicated keyword and fix the specified value. Issue the INI,REFRESH command to activate the changes.

SCF0610E

```
CSC (symm-serial) UNABLE TO REGISTER HOST, THIS HOST STILL ACTIVE
```

Cause

CSC cannot initialize as this host is already active.

Action

Examine the current host to determine if another SCF is already active for the same storage system and contact Dell EMC Customer Support Center.

SCF0611E

```
CSC (symm-serial) UNABLE TO REGISTER HOST, NO EMPTY SLOTS
```

Cause

CSC cannot initialize as there are too many hosts active for the indicated storage system.

Action

Contact the Dell EMC Customer Support Center. If there are no other hosts currently active using the CSC, it might be necessary to reformat the CSC communication area by using the SCF.CSC.REFORMAT initialization parameter in the SCF initialization file to remove residual inactive hosts.

SCF0612E

```
CSC (symm-serial) READ FAILED, RC:xxxxxxxx, RS:yyyyyyyyy
```

Cause

The CSC communication area cannot be read.

Action

Examine other messages to determine if an I/O error occurred during CSC processing. This message might be issued if the CSC gatekeeper device experiences an error. In this case, CSC locates another gatekeeper device automatically. If the reason for the error cannot be determined, contact the Dell EMC Customer Support Center.

SCF0613E

```
CSC (symm-serial) WRITE/SWAP FAILED, RC:xxxxxxxx,  
RS:yyyyyyyyy [(text)]
```

Cause

The CSC communication area cannot be written to.

Action

Examine other messages to determine if an I/O error occurred during CSC processing. This message might be issued if the CSC gatekeeper device experiences an error. In this case, CSC locates another gatekeeper device automatically. If the reason for the error cannot be determined, contact the Dell EMC Customer Support Center.

SCF0614E

```
CSC (symm-serial) WRITE FAILED, RC:xxxxxxx, RS:yyyyyyy
```

Cause

The CSC communication area cannot be written to.

Action

Examine other messages to determine if an I/O error occurred during CSC processing. This message might be issued if the CSC gatekeeper device experiences an error. In this case, CSC locates another gatekeeper device automatically. If the reason for the error cannot be determined, contact the Dell EMC Customer Support Center.

SCF0615I

```
CSC (symm-serial) HOST (host-id) REGISTERED SUCCESSFULLY
```

Cause

CSC initialization has been successful. The 16-character host identifier used by this host is indicated in the message.

This message is not output, or is output at a reduced frequency when SCF.CSC.VERBOSE=NO.

Action

None.

SCF0616W

```
CSC (symm-serial) HOST (host-id) REGISTRATION LOST, ATTEMPTING RE-REGISTRATION
```

Cause

CSC host registration has been lost during processing. This could indicate that a short system outage occurred and another system unregistered this host (indicated with the 16-character host ID).

CSC attempts to register this host. Additional messages appear to indicate if the re-registration was successful. If this occurs often, the idle polling period may be too long for this host.

Action

Examine the SCF.CSC.IDLEPOLL parameter to determine if this value is too large. Follow the instructions provided in the *ResourcePak Base for z/OS Product Guide*. If the reason for the error cannot be determined, contact the Dell EMC Customer Support Center.

SCF0617W

```
CSC (symm-serial) IDLE POLL PERIOD IS LESS THAN ACTIVE POLL PERIOD, DEFAULTS APPLIED
```

Cause

The specified SCF.CSC.IDLEPOLL value is not valid as it has been specified as a value less than the specified, or defaulted, SCF.CSC.ACTIVEPOLL. The default values for SCF.CSC.IDLEPOLL and SCF.CSC.ACTIVEPOLL will be used.

Action

Change the SCF.CSC.IDLEPOLL value to be greater than the SCF.CSC.ACTIVEPOLL value or specify SCF.CSC.ACTIVEPOLL to be less than the desired SCF.CSC.IDLEPOLL value.

SCF0618W

```
CSC (symm-serial) IDLE POLL PERIOD IS TOO LARGE, DEFAULTS APPLIED.
```

Cause

The specified SCF.CSC.IDLEPOLL value is not valid. The default value is being used.

Action

Specify a valid SCF.CSC.IDLEPOLL value.

SCF0620S

```
CSC (symm-serial) UNABLE TO ACQUIRE SEL LOCK - RC:xxxxxxxx,
RS:yyyyyyyyy, SESSION ID:zzzzzzzz
```

Cause

The CSC cannot obtain the storage system serialization lock, where *zzzzzzzz* specifies the PowerMax or VMAX lock session ID.

Action

Examine other messages to determine if an I/O error occurred during CSC processing. This message might be issued if the CSC gatekeeper device experiences an error. In this case, CSC locates another gatekeeper device automatically. If the reason for the error cannot be determined, contact the Dell EMC Customer Support Center.

SCF0621S

```
CSC (symm-serial) UNABLE TO RELEASE SEL LOCK - RC:xxxxxxxx,
RS:yyyyyyyyy
```

Cause

CSC cannot release the PowerMax or VMAX serialization lock.

Action

Examine other messages to determine if an I/O error occurred during CSC processing. This message might be issued if the CSC gatekeeper device experiences an error. In this case, CSC locates another gatekeeper device automatically. If the reason for the error cannot be determined, contact the Dell EMC Customer Support Center.

SCF0622S

```
CSC (symm-serial) UPDATE NOT AN 8 BYTE MULTIPLE
```

Cause

CSC has experienced an internal error. CSC generates user abend U0622 and attempts to restart.

Action

Contact the Dell EMC Customer Support Center.

SCF0623S

```
CSC (symm-serial) HEART BEAT, INVALID HRR OFFSET: xxxxxxxxx
```

Cause

CSC has experienced an internal error, where *xxxxxxx* specifies the HRR (Host Registration Record) error offset. CSC generates user abend U0623 and attempts to restart.

Action

Contact the Dell EMC Customer Support Center.

SCF0630E

```
CSC (symm-serial) REQUEST xxxxx (yy) PROCESSED FOR HOST (host-id),  
NO LONGER IN CSC SCRATCH AREA
```

Cause

A request has been processed by CSC, where *xxxxx* specifies the internal request number. However, the request is no longer active for the originating host. The originating host may have been unregistered during the processing phase of the request, or the request may have timed out. This is not normally an error and should be handled correctly by the application using CSC.

Action

If this error occurs frequently, contact the Dell EMC Customer Support Center.

SCF0631W

```
CSC (symm-serial) SCRATCH AREA (sc-offset,sc-length) NOT FORMATTED  
FOR CROSS SYSTEM COMMUNICATION
```

Cause

The CSC area in the storage system is not formatted. This occurs during the initial startup of CSC. CSC will format the area.

sc-offset is the 8-digit scratch area offset, *sc-length* is the 8-digit scratch area length.

Action

If this error occurs frequently, contact the Dell EMC Customer Support Center.

SCF0632E

```
CSC (symm-serial) SCRATCH AREA (sc-offset,sc-length) HOST  
REGISTRATION RECORD (xx) NOT VALID
```

Cause

The CSC area is not valid. The CSC will reformat the area, if possible. Other messages will be displayed to indicate the success or failure of the formatting.

sc-offset is the 8-digit scratch area offset, *sc-length* is the 8-digit scratch area length.

Action

Contact the Dell EMC Customer Support Center.

SCF0633W

```
CSC (symm-serial) ACTIVE HOST COUNT MISMATCH, EXPECTED xx, GOT yy
```

Cause

CSC has detected a mismatch in the number of active (registered) hosts. CSC automatically updates the count to the correct value.

Action

None.

SCF0634E

```
CSC (symm-serial) SCRATCH AREA (sc-offset,sc-length) INUSE BY  
ANOTHER APPLICATION
```

Cause

The CSC communication area cannot be used. *sc-offset* is the 8-digit scratch area offset, *sc-length* is the 8-digit scratch area length.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF0635E

```
CSC (symm-serial) HOST REGISTRATION VALIDATION ERROR RS:YYYYYYYY
```

Cause

An error has occurred while validating the CSC communication area. Depending on the error, CSC might attempt to re-register.

Action

Contact the Dell EMC Customer Support Center.

SCF0636E

```
CSC (symm-serial) SCRATCH AREA (00000000,11111111) FORMAT xx
INCOMPATIBLE WITH yy
```

Cause

CSC cannot initialize because its format is incompatible with the current communication area.

- *sc-offset* - Specifies the 8-digit scratch area offset.
- *sc-length* - Specifies the 8-digit scratch area length.
- *xx* - Specifies the current format release formatted in the CSC communication area.
- *yy* - Specifies the format release required by the version of SCF being started.

Action

Examine the CSC installation to ensure that the correct version of SCF is being activated. If there are no other hosts currently active using the CSC, it might be necessary to reformat the CSC communication area by using the SCF.CSC.REFORMAT initialization parameter. Contact the Dell EMC Customer Support Center.

SCF0637E

```
CSC (symm-serial) SCRATCH AREA (sc-offset,sc-length) HOST
REGISTRATION AREA NOT VALID
```

Cause

The CSC communication area is not valid. CSC will attempt to reformat the area to correct the problem.

sc-offset is the 8-digit scratch area offset, *sc-length* is the 8-digit scratch area length.

Action

Contact the Dell EMC Customer Support Center.

SCF0638E

```
CSC (symm-serial) SCRATCH AREA (sc-offset,sc-length) DYNAMIC
REQUEST AREA NOT VALID
```

Cause

The CSC communication area is not valid. CSC will attempt to reformat the area to correct the problem.

sc-offset is the 8-digit scratch area offset, *sc-length* is the 8-digit scratch area length.

Action

Contact the Dell EMC Customer Support Center.

SCF0639I

```
CSC (symm-serial) REUSING PREVIOUSLY REGISTERED HOST ENTRY
```

Cause

The initializing CSC will reuse its previous registration record. This can occur if SCF is restarted after a system failure.

Action

None.

SCF0640W

```
CSC (symm-serial) REQUEST xxxxx PROCESSED, ORIGINATING HOST (host-id) NO LONGER REGISTERED
```

Cause

A request has been processed by this CSC, but the request is no longer active for the originating host.

The originating host may have been unregistered during the processing phase of the request. This is not normally an error and should be handled correctly by the application using the CSC.

Action

If this condition occurs frequently, contact the Dell EMC Customer Support Center.

SCF0641E

```
CSC (symm-serial) DRA RECORD OFFSET xxxxxxxx INVALID, EXPECTING 'iiii', GOT X'yyyyyyyy'
```

Cause

An internal formatting error occurred during CSC processing.

- *xxxxxxx* - The offset in CSC communication area at which error is detected.
- *iiii* - The expected area eyecatcher (character format).
- *X'yyyyyyyy'* - The actual area eyecatcher (hex format).

CSC attempts to reformat the communication area to resolve the problem.

Action

Contact the Dell EMC Customer Support Center.

SCF0642E

```
CSC (symm-serial) DRA FREE AREA INVALID, EXPECTING xxxxxxxx, GOT yyyyyyyy
```

Cause

An internal formatting error has occurred during CSC processing, where *xxxxxxx* specifies the expected free space and *yyyyyyyy* specifies the actual free space. The free area value for the internal structures has been incorrectly stored. This might occur due to a system failure during CSC processing. The CSC will recalculate the free space to

resolve the problem.

Action

If this condition occurs frequently, contact the Dell EMC Customer Support Center.

SCF0643W

```
CSC (symm-serial) UNABLE TO ACQUIRE SEL LOCK. HELD  
FOR count SECONDS BY HOST {host(host-id)|UNKNOWN (LOCKID lock-id)}
```

Cause

CSC cannot serialize with the indicated storage system communication area. This error can occur as a result of a system failure during CSC serialization processing. SC will free the serialization lock after the time specified, or defaulted, by the SCF.CSC.SELTIMEOUT initialization parameter (see message SCF0647W). If the holder of the lock is known, then the host is indicated by *host (host-id)*; otherwise, the lock holder is unknown and its current lock ID is indicated by *lock-id*. The lock ID in this instance is internal to the CSC and could indicate another Dell EMC product serializing the storage system communication area. If SCF.CSC.VERBOSE is set to NO, SCF0643W is issued only when the CSC lock hold time reaches half the SCF.CSC.SELTIMEOUT value, rather than after 10 seconds.

Action

Examine the host indicated in the message to determine if a failure has occurred on that host or if SCF is not being dispatched with a high enough priority.

SCF0644W

```
CSC (symm-serial) NO LONGER ACTIVE FOR ASID asid ON THIS HOST
```

Cause

The indicated ASID (4-character address space identifier) is no longer an active SCF address space. CSC will automatically clean up the relevant registration records.

Action

None.

SCF0645W

```
CSC (symm-serial) HOST host (host-id) MISSING HEART BEAT FOR count  
SECONDS
```

Cause

The indicated host was missing for the indicated period of time. CSC does host checking at regular intervals to ensure that missing hosts are automatically cleaned up (see message SCF0646W). If this occurs often, then the indicated host SCF.CSC.IDLEPOLL period may need to be increased as it cannot sustain polling at its current rate.

This message is not output, or is output at a reduced frequency when SCF.CSC.VERBOSE=NO.

Action

None.

SCF0646W

```
CSC (symm-serial) HOST host (host-id) REMOVED, MISSING HEART BEAT  
FOR count SECONDS
```

Cause

The indicated host has been missing for the indicated period, and will be unregistered and all its resources in the communication area freed up.

Action

None.

SCF0647W

```
CSC (symm-serial) SEL LOCK FORCE RELEASED, HELD FOR count SECONDS
```

Cause

The CSC communication area lock has been held for a period greater than that specified by the SCF.CSC.SELTIMEOUT initialization parameter. CSC will automatically release the lock.

This message might be issued if the SCF.CSC.SELTIMEOUT value is too short.

Action

If this condition occurs often, the SCF.CSC.SELTIMEOUT value might need to be increased.

SCF0648E

```
CSC (symm-serial) DRA AREA OFFSET xxxxxxxx INVALID ID for ID iiii,  
EXPECTING>=yyyyyyyy
```

Cause

The CSC communication area is not valid.

- *xxxxxxxx* - The offset in CSC communication area.
- *iiii* - The area ID.
- *yyyyyyyy* - The minimum offset which was expected.

CSC will attempt to reformat the area to correct the problem.

Action

Contact the Dell EMC Customer Support Center.

SCF0649E

```
CSC (symm-serial) SCRATCH AREA (sc-offset,sc-length) REFORMATTED  
DUE INVALID DYNAMIC AREA
```

Cause

The CSC communication area has been reformatted due to a previously detected error. *sc-offset* is the 8-digit scratch area offset, *sc-length* is the 8-digit scratch area length.

Action

Use other messages to determine the reason for the reformatting. If this occurs often or the reason cannot be determined, contact the Dell EMC Customer Support Center.

SCF0650W

```
CSC (symm-serial) SCRATCH AREA (sc-offset,sc-length) REFORMAT  
REQUEST IGNORED, AREA IS IN USE
```

Cause

A request to reformat the CSC communication area through the SCF.CSC.REFORMAT initialization parameter cannot be performed. The area is currently being used by other CSC hosts.

sc-offset is the 8-digit scratch area offset, *sc-length* is the 8-digit scratch area

length.

Action

The communication area can only be reformatted when there are no SCF hosts actively using the area. If a reformat is necessary, issue the CSC,DISPLAY,HOSTS command to determine the SCF to stop to enable the reformat to be performed.

SCF0651I

```
CSC (symm-serial) SCRATCH AREA (sc-offset,sc-length) HAS BEEN FORMATTED
```

Cause

CSC has reformatted the communication area.

sc-offset is the 8-digit scratch area offset, *sc-length* is the 8-digit scratch area length.

Action

None.

SCF0652I

```
CSC (ccccccc-cccc) AREA:sc-offset/sc-length, GATEKEEPER: sccuu[;rr.rr...] (symm-level/mXmm/patch/flag)
```

Cause

Indicates the CSC communication area offset (*sc-offset*), length (*sc-length*) and the gatekeeper device being used by the CSC. *ssssss*, *mXmm*, *pppp*, and *xx* are output for diagnostic purposes.

- *sccuu* - The z/OS device number.
- *rr.rr...* - For remote storage systems, this specifies the remote storage system hop list.
- *symm-level* - The 6-character Symmetrix level (Symm03, Symm09, and so on).
- *mXmm* - A normalized operating environment level. X is always the second digit value, for example: 5X78.
- *patch* - The CSC diagnostic patch level.
- *flag* - The diagnostic feature flag.

Action

None.

SCF0653W

```
CSC (symm-serial) LISTENER n (listener-name) REMOVED DUE TO ERROR DURING PROCESSING
```

Cause

The CSC has removed an application listener as it has abended or is no longer active.

- *n* - The listener number (0-255).
- *listener-name* - The listener name (up to 8 characters).

Action

If the reason for the listener failing cannot be determined, contact the Dell EMC Customer Support Center.

SCF0654W

```
CSC (ccccccc-cccc) GATEKEEPER cuu1 (cuu2) SWAP DETECTED.
```

Cause

During cross-system communication processing, the gatekeeper device (*cuu1*) has been swapped, for example, by AutoSwap processing. CSC attempts to use the complement device (*cuu2*; the target of the swap) and continue processing. If this is not successful, a new gatekeeper device is selected.

Action

None.

SCF0655W

```
CSC (symm-serial) SEL LOCK LOST, HELD FOR count SECONDS
```

Cause

During cross-system communication processing, the PowerMax or VMAX serialization lock was lost. This indicates that another host has stolen the lock as there was not enough activity from this host. The time period this host held the lock prior to detecting this condition is indicated by *count*. The CSC will reverify its access to the cross-systems communication area. If necessary, this host will re-register itself.

Action

Check for other messages generated by SCF and z/OS to determine the cause for this failure (for example, there were no paths available to the device for a short period of time). If a value for SCF.CSC.SELTIMEOUT has been specified, ensure that the value is not too small.

SCF0657W

```
CSC (symm-serial) SEL LOCK QUICK CONFIG MISMATCH, HELD FOR  
count SECONDS
```

Cause

During processing, the SEL lock held by the current host was refreshed. This causes a change in the CSC to PowerMax or VMAX verification token associated with the lock. This can occur when a lock is held for a long period of time.

This message is only generated when CSC debugging is active. Debugging should only be performed when directed by Dell EMC.

Action

Contact the Dell EMC Customer Support Center.

SCF0658W

```
CSC (symm-serial) UNABLE TO REFRESH SEL LOCK -RC:xxxxxxx,  
RS:yyyyyyyy
```

Cause

During processing, the SEL lock held by the current host was attempting to be refreshed, but failed with the indicated RC and RS code. A refresh was being performed as the current host was holding the lock for a longer than usual time period, and was still processing work.

This message is only generated when CSC debugging is active. Debugging should only be performed when directed by Dell EMC.

Action

See message SCF0620S for possible failure reasons. Contact the Dell EMC Customer Support Center.

SCF0659W

CSC (*symm-serial*) ATTENTION INTERFACE *reason-text*

Cause

CSC is establishing connection with the storage system attention interface to allow for enhanced CSC communication performance. This message may be displayed during EMCSCF startup, shutdown, or when the SCF CSC or INI REFRESH command is entered. Some forms of this message are informational only and are displayed if SCF.CSC.VERBOSE=YES is specified.

reason-text indicates the reason for the message as follows:

- NOT AVAILABLE - The SRX environment under SCF that manages the attention processing has stopped and CSC cannot establish an attention listener. Refer to other messages in the syslog to determine the reason for the failure. This is displayed only if SCF.CSC.VERBOSE=YES is active.
- PATHGROUP TO GATEKEEPER ESTABLISHED - CSC established a pathgroup with its offline gatekeeper for the storage system attention interface. Following pathgroup processing, CSC will perform a self-test to ensure that attention processing is functioning correctly. This is displayed only if SCF.CSC.VERBOSE=YES is active.
- PATHGROUP TO PRIOR GATEKEEPER DISBANDED - CSC has disbanded the pathgroups that it established previously. This can be displayed whenever a CSC,REFRESH operator command is issued or when SCF is being stopped. This is displayed only if SCF.CSC.VERBOSE=YES is active.
- PERFORMING SELF TEST DUE TO MISSING EVENTS - CSC is performing a self-test of the attention interface. This has occurred as a number of events have been processed by CSC that expected processing through the attention interface but none was received.
Other messages may follow the self-test to indicate if the processing was recovered or failed. This is displayed only if SCF.CSC.VERBOSE=YES is active.
- PREFERRED DEVICE ALREADY RESET - CSC is attempting to reset a prior set preferred attention device. However the device was already reset. This can occur where multiple SCFs are running on an LPAR. Preferred attention support was already inactive on this LPAR for this storage system. This is displayed only if SCF.CSC.VERBOSE=YES is active.
- PREFERRED DEVICE CHANGED TO GATEKEEPER - CSC has changed the preferred attention device for the storage system attention interface. A preferred device was set to a device other than the current gatekeeper. This is displayed only if SCF.CSC.VERBOSE=YES is active.
- PREFERRED DEVICE ESTABLISHED TO GATEKEEPER - CSC has set its gatekeeper as the preferred attention device for the storage system attention interface. Following this processing CSC will perform a self-test to ensure that attention processing is functioning correctly. This is displayed only if SCF.CSC.VERBOSE=YES is active.
- PREFERRED DEVICE NOW RESET - CSC successfully reset its gatekeeper as the preferred attention device for the storage system attention interface. Preferred attention support is no longer active on this LPAR for this storage system. This is

displayed only if SCF.CSC.VERBOSE=YES is active.

- **PREFERRED DEVICE REESTABLISHED TO GATEKEEPER - CSC lost and re-established its gatekeeper as the preferred attention device for the storage system attention interface. This is displayed only if SCF.CSC.VERBOSE=YES is active.**
- **PREFERRED DEVICE SET TO NON GATEKEEPER - CSC attempted to set its gatekeeper as the preferred attention device for the storage system attention interface. However, following this processing it was noted that another device is the preferred device. This could indicate that another SCF on this LPAR is setting its gatekeeper to be the preferred attention device. CSC performs a self test to ensure that the attention interface is functioning correctly. Additional messages will be issued if the self test fails. This is displayed only if SCF.CSC.VERBOSE=YES is active.**
- **PREFERRED DEVICE STATUS IS UNKNOWN - CSC attempted to set its gatekeeper as the preferred attention device for the storage system attention interface. However, following this processing CSC could not verify this processing. This could occur if the query interface that CSC uses times out. CSC performs a self test to ensure that the attention interface is functioning correctly. Additional messages will be issued if the self test fails. This is displayed only if SCF.CSC.VERBOSE=YES is active.**
- **SELF TEST FAILED DUE TO NO ONLINE DEVICES - CSC performed a self-diagnostic test with the storage system attention interface which failed due to no online devices (at least one device on the storage system must be online). CSC turns off attention processing support for the indicated storage system for this host and uses the polling mechanism for CSC communication. SCF.CSC.ATTNPATHGRP=YES may be specified in the SCF initialization file to allow CSC to establish a path group to its offline gatekeeper device. The device will logically be marked offline to z/OS.**
- **SELF TEST FAILED DUE TO PATHGROUP FAILURE - CSC performed a self-diagnostic test with the storage system attention interface which failed due to no online devices (at least one device on the storage system must be online). SCF.CSC.ATTNPATHGRP=YES was specified and CSC attempted to establish a path group with its offline gatekeeper which failed. CSC turns off attention processing support for the indicated storage system for this host and uses the polling mechanism for CSC communication. You can use the CSC,REFRESH command to retry the self-test processing. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center.**
- **SELF TEST FAILED WITH ONLINE DEVICES - CSC performed a self-diagnostic test with the storage system attention interface which failed even though there are devices online to the storage system. This could indicate a failure of the attention interface. CSC turns off attention processing support for the indicated storage system for this host and uses the polling mechanism for CSC communication. Verify that the devices indicated as online to the storage system are correctly online and not in SCP recovery. Use the z/OS DEVSERV QD command to check the current state of online devices. You can use the CSC,REFRESH command to retry the self-test processing. If the reason for the failure cannot be determined, contact the Dell**

EMC Customer Support Center.

- `SELF TEST FAILED WITH PATHGROUP ESTABLISHED` - CSC has failed the self-test processing after establishing the pathgroup to the offline gatekeeper. This could indicate a failure in the host or storage system attention processing. CSC turns off attention processing support for the indicated storage system for this host and only uses the polling mechanism for CSC communication. You can use the `CSC,REFRESH` command to retry the self-test processing. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center.
- `SELF TEST FAILED WITH PREFERRED DEVICE` - CSC performed a self-diagnostic test with the storage system attention interface which failed even though a preferred attention device was set for the storage system. This could indicate a failure of the attention interface. CSC turns off attention processing support for the indicated storage system for this host and uses the polling mechanism for CSC communication. You can use the `CSC,REFRESH` command to retry the self-test processing. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center.
- `STOPPED` - The SRX environment under SCF that manages the attention processing has stopped. This is normal during SCF shutdown. Refer to other messages in the syslog to determine the reason for this condition. This is displayed only if `SCF.CSC.VERBOSE=YES` is active.
- `UNLOCK LISTENER REINITIALIZED DUE TO MISSING EVENTS` - CSC reinitialized the attention unlock listener. A number of events have been processed by CSC that expected processing through the attention interface but none was received. Other messages may follow the initialization to indicate if the processing was recovered or failed. This is displayed only if `SCF.CSC.VERBOSE=YES` is active.
- `UNLOCK LISTENER REINITIALIZING DUE TO MISSING EVENTS` - CSC is reinitializing the attention unlock listener. A number of events have been processed by CSC that expected processing through the attention interface but none was received. Other messages may follow the initialization to indicate if the processing was recovered or failed. This is displayed only if `SCF.CSC.VERBOSE=YES` is active.
- `UNLOCK LISTENER REMOVED DUE TO MISSING EVENTS` - Either message indicates CSC failed to reinitialize the attention SEL listener through the attention interface. This could indicate a failure in the host or Symmetrix attention processing. CSC continues to process without using the attention interface processing. This is displayed only if `SCF.CSC.VERBOSE=YES` is active.
- `UNLOCK LISTENER REMOVED DUE TO REINITIALIZATION FAILURE` - Either message indicates CSC failed to reinitialize the attention SEL listener through the attention interface. This could indicate a failure in the host or Symmetrix attention processing. CSC continues to process without using the attention interface processing. This is displayed only if `SCF.CSC.VERBOSE=YES` is active.

Action

See the reasons listed above. Where CSC is unable to use the storage system attention interface CSC turns off attention processing support for the indicated storage system for

this host and continues using the polling mechanism for CSC communication. Where a self-diagnostic test failed, you can use the CSC,REFRESH command retry the self-test processing. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center.

SCF0660I

Preambula:

```
CSC HOST DISPLAY
CONTROLLER SERIAL NUMBER : symm-serial [(ii)]
[GATEKEEPER MVS DEVICE   : sccuu SYM DEVICE: symdv#]
[                           CONTROLLER       : remote-symm-serial
[                           HOPLIST          : rr.rr...]
HOST COUNT                  : host-count
```

Format 1:

```
-----HOST----- --REGISTRATION-- PROCESS RESP
NAME IDENTIFIER VRM HB MM/DD/YY HH:MM:SS TIME CTRL
-1-- -2----- -3- -4 -----5----- -----
n n n n r m m h h h h h h h h a a a a v r m h b m m / d d / y y h h : m m : s s s s s . t t t
[ii]yyyyyyy
```

Format 2:

```
*** NO HOSTS ***
```

Format 3:

```
*** CSC IS NOT ACTIVE ***
```

Format 4:

```
*** CONTROLLER NOT FOUND ***
```

Format 5:

```
*** ERROR DURING CSC SIGNAL, RC: xxxxxxxx, RS:yyyyyyyy ***
```

Format 6:

```
*** REQUEST TIMEOUT ***
```

Format 7:

```
*** ERROR DURING CSC RETRIEVE, RC: xxxxxxxx, RS:yyyyyyyy ***
```

Format 8:

```
*** NO RESPONSE FROM LOCAL CSC ***
```

Format 9:

```
*** CSC IS NOT ELIGIBLE ***
```

Format 10:

```
*** CSC INITIALIZING ***
*** CSC HAS NO ACCESS TO CONTROLLER (INITIALIZING) ***
```

Format 11:

```
*** DEVICE LOCK TIMEOUT ***
```

Format 12:

```
*** CSC HAS NO ACCESS TO CONTROLLER (NO PATHS) ***
```

Cause

This message is output as a result of an SCF CSC,DISPLAY,HOSTS command. The number of SCF0660I messages produced depends on whether the CONTROLLER parameter was specified on the command:

- If CONTROLLER was specified, an SCF0660I message is produced for each storage system known to SCF. For each storage system where CSC is active, the gatekeeper information is displayed. Where the CSC has remote access to the storage system, the gatekeeper storage system is identified by the remote system serial number and the hoplist.
- If CONTROLLER was not specified, a single SCF0660I message is produced listing all storage systems that participated in a response to the command. The storage system index (*ii*) indicates which CSC storage system responded to the DISPLAY,HOSTS command.

The following formats show the results following this message as a multi-line write to operator.

- Format 1 - Displays the host information for the storage system. If the output contains a SET column, its value (*n*) is derived from the user's SCF INI file from the configuration statement: SCF.CSC.INSTANCE=*n*.
 - *rmmhhhhhhhhhhhaaaa* - Indicates the CSC assigned host ID. *r* is indicated as R if the host has remote access to the storage system. If the response was not through a remote storage system connection then R will not be displayed. *mm* is the operating system type (01 for MVS). *hhhhhhhhhh* is the CPU serial number. *aaaa* is the address space ID of SCF.
 - *vrm* - The SCF version for the host. A suffix of M in this column indicates multiple storage system support. A suffix of A indicates attention on demand support.
 - *hb* - The idlepoll heartbeat value for the host. This was the value specified in SCF.CSC.IDLEPOLL on that host.
 - *mm/dd/yy hh:mm:ss* - The date and time at which the host registered.
 - *sss.ttt* - The processing time in seconds.
 - *ii* - Indicates the CSC storage system that responded first to the command. The *ii* value listed here corresponds to the (*ii*) that follows the 12-digit storage system serial number value. Note that this value displays only if the DISPLAY,HOSTS command did not specify a CONTROLLER(CNTRL).
 - *YYYYYYYY* - Displays when the host has not completed the request. Other messages may be displayed by the SCF on the host to indicate why the request was not completed. A longer timeout value may be required, which may be specified using the DISPLAY,HOSTS timeout option.
 - ****INCOMPL** indicates that the request was not completed by the host.
 - ****NORESP** indicates that the request was not accepted by the host.
 - ****CSC RS *rs*** indicates an unexpected condition.
- Format 2 - No hosts were active for the indicated CSC.
- Format 3 - The CSC is not yet active, or SCF.CSC.ACTIVE=YES was not specified in the SCFINI startup parameters.
- Format 4 - The storage system could not be located when supplied in the DISPLAY,CONTROLLER option.

- Format 5 - An error has occurred.
- Format 6 - The request could not be completed in a timely manner, as the local CSC host was busy.
- Format 7 - An error has occurred.
- Format 8 - The local CSC host is not responding to the request in a timely manner.
- Format 9 - The local SCF host has not established a CSC session as the storage system is not eligible.
- Format 10 - CSC is initializing.
- Format 11 - Serialization to the SCF device configuration could not be obtained.
- Format 12 - CSC could not communicate through the storage system, as there were no paths to any eligible CSC gatekeeper devices.

Action

The action depends on the format:

- Format 1, 2, 3, 10 - None.
- Format 4 - Either remove the CONTROLLER keyword or specify a valid storage system.
- Format 5, 7 - Contact the Dell EMC Customer Support Center.
- Format 6, 8 - Specify a longer timeout value in the DISPLAY,TIMEOUT option.
- Format 9 - This could indicate a non-Dell EMC storage system.
- Format 11 - This could indicate that SCF device reconfiguration is being performed. Reissue the command.
- Format 12 - If a gatekeeper list has been specified to CSC, verify access to the gatekeeper using the z/OS DEVSERV PATHS operator command. If the CSC gatekeeper list is too restrictive and there are paths available to other devices in the storage system, the gatekeeper list may be updated and the INI file refreshed. When path access to the devices is restored, the CSC will automatically re-establish communication to the storage system.

SCF0661E

```
CSC command COMMAND FAILED.
```

Cause

This message indicates the CSC operator command is not valid.

Action

Examine the z/OS system log, or SCF job log to determine the reason for the failure. Correct and re-enter the command.

SCF0662E

```
CSC IS NOT ACTIVE
```

Cause

The CSC command cannot be processed as the CSC is not currently active.

Action

If CSC is to be active, make sure that SCF.CSC.ACTIVE=YES has been specified in the SCF initialization file. If SCF.CSC.ACTIVE=YES has been specified then SCF may not have completed initialization, or SCF has not located any Dell EMC storage systems. Examine

the SCF initialization file to ensure the SCF.DEV.EXCLUDE.LIST and SCF.DEV.INCLUDE.LIST keywords have been correctly specified.

SCF0663I

message-text

Cause

This message echoes the entered CSC command.

Action

None.

SCF0664I

Preamble:

```
CSC LISTENER DISPLAY
CONTROLLER SERIAL NUMBER: symm-serial
```

Format 1:

```
CODE  DIAGNAME  ASID      REGISTRATION  LISTENER  TYPE  REQCOUNT  ATTRIBUTES
          MM/DD/YY  HH:MM:SS          DUPCOUNT
-----
ccc xxxx      aaaa mm/dd/yy hh:mm:ss rrrrrrrr ttt          n yyy
```

Format 2:

```
*** CSC IS NOT ACTIVE ***
```

Format 3:

```
*** NO ACTIVE LISTENERS LOCATED ***
```

Format 4:

```
*** CSC IS NOT ELIGIBLE ***
```

Cause

This message is output as a result of a SCF,CSC,DISPLAY,LISTENERS command. The following formats show the results following this message as a multi-line write to operator.

- Format 1 - Displays information about listeners:
 - *ccc* - The registered listener code.
 - *xxxx* - The registered listener name.
 - *aaaa* - The address space which registered the listener. *NACT* indicates that there is no active listener.
 - *mm/dd/yy hh:mm:ss* - The date and time at which the listener was registered. *NREG* indicates that the listener never registered.
 - *rrrrrrrr* - The listener name or address. *????????* displays when the listener name cannot be determined.
 - *ttt* - The type of listener. *???* displays when the listener type cannot be determined.
- *n* - Indicates requests received:
 - *REQCOUNT* is the number of requests received for the listener on the storage system.
 - *DUPCOUNT* is the number of duplicate requests received for the listener on the storage system. A duplicate request is one that was serviced by

another storage system and was ignored by this storage system.

- *YYY* - Indicates the attributes assigned to the listener by the application. Each attribute is separated by a slash (/):
 - *ALL* indicates that the application listener is applicable for all CSC managed storage systems.
 - *NTFY* indicates that the CSC will automatically notify all listeners with the indicated code when this listener registered.
- Format 2 - The CSC is not yet active, or SCF.CSC.ACTIVE=YES was not specified in the SCF initialization file.
- Format 3 - The CSC has not completed initialization.
- Format 4 - The local SCF host has not established a CSC session because the storage system is not eligible. This could indicate a non-Dell EMC storage system.

Action

The action depends on the format:

- Format 1 - Listeners are added by Dell EMC and other vendor code to support particular functions which are to be processed through the CSC. Usage of the SCF,CSC,DISPLAY,LISTENERS command may be requested by Dell EMC Customer Support.
- Format 2, 3, 4 - None.

SCF0665I

```
DEVICE RECONFIGURATION IN PROGRESS, COMMAND CANNOT BE PERFORMED AT THIS TIME
```

Cause

The command cannot be processed as SCF is in device reconfiguration.

Action

Reissue the command.

SCF0666I

```
CSC REFRESH SCHEDULED FOR count CONTROLLER(S)
```

Cause

A CSC,REFRESH operator command was entered. Refresh processing has been scheduled for the specified storage systems.

Action

None.

SCF0667I

```
CSC REFRESH NOT SCHEDULED, NO INITIALIZED CONTROLLERS LOCATED
```

Cause

A CSC,REFRESH operator command was entered; however, no active CSC storage systems could be located. The CSC,REFRESH command is only valid if CSC.ACTIVE=YES was specified in the SCF initialization file and there are active (initialized) CSC storage systems.

Action

If CSC is to be active, make sure that SCF.CSC.ACTIVE=YES has been specified in the SCF initialization file. If SCF.CSC.ACTIVE=YES has been specified, then SCF may not have completed initialization, or SCF has not located any Dell EMC storage systems. Examine the SCF initialization file to ensure the SCF.DEV.EXCLUDE.LIST and SCF.DEV.INCLUDE.LIST parameters have been correctly specified.

SCF0668I

```
CSC command COMMAND COMPLETED
```

Cause

This message indicates the completion of a CSC command. This is output at the completion of CSC multi-line output, for example as a result of a CSC,DISPLAY,HOSTS or CSC,DISPLAY,LISTENERS command.

Action

None.

SCF0669I

```
CSC ACTIVATION INITIATED
```

Cause

A CSC activation requested has been accepted using the CSC,REFRESH operator command.

Action

None.

SCF0670E

```
CSC (symm-serial) FAILED TO ESTABLISH LISTENER n, RC:xxxxxxxx, RS:yyyyyyyyy
```

Cause

CSC could not register its static list of listeners, where *n* specifies the listener that attempts registration (0-255).

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF0680S

```
INVALID CSC LISTENER REQUEST 'xxxxxxxx'
```

Cause

An internal CSC error has occurred, where *xxxxxxxx* specifies a diagnostic error string. This is also externalized through a user abend U0680.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF0690I

```
CSC (symm-serial) HOST host (host-id) IS NOW REGISTERED
```

Cause

The indicated CSC host has registered.
 This message is not output, or is output at a reduced frequency when SCF.CSC.VERBOSE=NO.

Action

None.

SCF0695I

```
CSC (symm-serial) HOST host (host-id) IS NOW UNREGISTERED
```

Cause

The indicated CSC host has unregistered.
 This message is not output, or is output at a reduced frequency when SCF.CSC.VERBOSE=NO.

Action

None.

SCF0696W

```
CSC (symm-serial) HOST host1 (host1-id) HAS BEEN UNREGISTERED BY  

HOST host2 (host2-id)
```

Cause

The indicated CSC host *host1* has been unregistered by host *host2*. This is probably due to host *host1* terminating prior to completing exit cleanup.

Action

None.

SCF0699E

```
SCF stale configuration detected.
```

Cause

An internal device services call to the CSC component has detected a stale SCF configuration. This is detected as a UCB contained in the SCF device tables no longer exists. This could indicate an internal error.

Action

Issue the DEV,REFRESH command to perform a configuration update. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center.

SCF0701I

```
SAR, command, process_name
```

Cause

This message echoes the SRDF/AR command.

Action

None.

SCF0702I

```
SAR command COMMAND ACCEPTED
```

Cause

This message is issued for commands that are accepted.

Action

None.

SCF0703E

```
SAR command COMMAND FAILED
```

Cause

The SRDF/AR command is either invalid or was not accepted.

Action

Verify the command syntax.

SCF0704E

```
SAR IS NOT ACTIVE
```

Cause

The SRDF/AR command was not accepted because the SRDF/AR process is not active.

Action

Verify the SRDF/AR process name.

SCF0705E

```
UNABLE TO VALIDATE SAR PROCESS process_name
```

Cause

The SRDF/AR command was not accepted because the SRDF/AR process is not defined.

Action

Verify the SRDF/AR process name.

SCF0706E

```
SAR STOP FORCE COMMAND COMPLETED, PROCESS process_name
```

Cause

The SRDF/AR STOP FORCE command completed - the SRDF/AR process is no longer active.

Action

None.

SCF0706I

```
SAR STOP command COMPLETED, PROCESS process_name
```

Cause

Stopping the indicated command is completed for the indicated SRDF/AR process.

Action

None.

SCF0707E

```
SAR command NOT PERFORMED, PROCESS process_name is INACTIVE
```

Cause

The SRDF/AR command was not accepted because the SRDF/AR process is not active.

Action

Verify the SRDF/AR process name.

SCF0708E

```
SAR START NOT PERFORMED, PROCESS process_name, OPEN FAILED FOR  
SYSOUT LOG
```

Cause

The SRDF/AR process was not started because the open failed for the SYSOUT log file.

Action

The SCF procedure must have the SRDF/AR SYSOUT log files allocated.

SCF0709W

```
DD reason
```

Cause

An error occurred while processing OPEN or CLOSE of DD statement *DD*. *reason* indicates the type of error encountered.

reason can be one of the following:

- *DD Statement missing* - SRDF/AR process expected *DD* to be present while it is not defined.
- *Open failed* - A failure occurred during processing of OPEN of the *DD*.
- *DCB not Open* - *DD* was expected to be in open state while it is not.
- *Close failed* - A failure occurred during processing of CLOSE of the *DD*.

Action

Review the ResourcePak Base startup job. Search for the ways of correcting the problem as indicated by *reason*. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF0710I

```
SAR PROCESS process_name STARTED
```

Cause

This message is issued to indicate the start of the SRDF/AR process.

Action

None.

SCF0711I

```
SAR PROCESS process_name ENDED
```

Cause

This message is issued when an SRDF/AR process ends.

Action

None.

SCF0712E

```
SAR MODULE EMCTFA NOT FOUND
```

Cause

The SRDF/AR process could not be started because the SRDF/AR module could not be

loaded.

Action

SRDF/AR module EMCTFA must either be present in a LINKLIST dataset or in the SCF STEPLIB concatenation.

SCF0713E

```
SAR PROCESS process_name ABNORMALLY TERMINATED
```

Cause

The SRDF/AR process abended.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF0715E

```
SAR START NOT PERFORMED, PROCESS process_name is ACTIVE
```

Cause

The SRDF/AR process could not be started because it is already active.

Action

Verify the SRDF/AR process name.

SCF0721I

```
message-text
```

Cause

This message echoes a REC (recovery services) command, such as REC,RELEASEDEVICELOCK or REC,QUERYDEVICELOCK.

Action

None.

SCF0722I

```
REC NO DEVICES LOCKED
```

Cause

The REC,QUERYDEVICELOCK command could not find any locked devices.

Action

None.

SCF0723I

```
REC DEVICE dev# IS LOCKED, LOCKID X'xxxxxxxx', DURATION seconds
```

Cause

This message is issued in response to a REC,QUERYDEVICELOCK command, where *dev#* is the device, *xxxxxxxx* is the device lock ID in hex, and *seconds* is the duration of the held lock in seconds.

Action

None.

SCF0724I

```
REC DEVICE dev# RELEASED, LOCKID X'xxxxxxxx', DURATION seconds
```

Cause

This message is issued in response to a REC,RELEASEDEVICELock command, where *dev#* is the device, *xxxxxxxx* is the device lock ID in hex, and *seconds* is the duration of the held lock in seconds.

Action

None.

SCF0725E

```
REC DEVICE dev# LOCK OBTAINED, LOCKID lockid
```

Cause

A device lock has been obtained for the indicated device.

Action

None.

SCF0726I

```
REC COMPLETED
```

Cause

The REC command completed successfully.

Action

None.

SCF0727E

```
REC function FAILED, RC: xxxx, RS: xxxx
```

Cause

A recovery function failed.

Action

Verify the command syntax. Contact the Dell EMC Customer Support Center.

SCF0728E

```
REC command COMMAND FAILED
```

Cause

A recovery command failed.

Action

Verify the command syntax. Contact the Dell EMC Customer Support Center.

SCF0729E

```
REC MODULE EMCDLOKM NOT FOUND
```

Cause

The action could not be performed because the Lock Manager module could not be loaded.

Action

Module EMCDLOKM must either be present in a LINKLIST dataset or in the SCF STEPLIB concatenation.

SCF0730E

```
REC INVALID LOCKNUM PARAMETER
```

Cause

An invalid lock number was specified.

Action

Submit the command again, specifying a valid lock number.

SCF0740I

```
ZDP command
```

Cause

This message echoes the user-entered zDP command to the console or job log.

Action

None.

SCF0741I

```
ZDP command command accepted
```

Cause

This message indicates acceptance of the zDP command.

Action

None.

SCF0742E

```
ZDP command command failed
```

Cause

The zDP command could not be processed.

Action

Check the command syntax for validity. Ensure a correct VDG name was specified and that it is in the correct state. The VDG cannot be active for a START command or inactive for a STOP command.

SCF0743E

```
ZDP configuration is not defined
```

Cause

The zDP configuration is empty (no VDGs or TGTs are defined).

Action

Define the zDP configuration via the zDP Definition Utility (EIPINIT).

SCF0744E

```
Unable to validate ZDP VDG vdg_name
```

Cause

The zDP VDG definition does not exist.

Action

Define the VDG via the zDP Definition Utility (EIPINIT).

SCF0745E

```
ZDP command not performed, VDG vdg_name is state
```

Cause

The zDP command could not be processed because the VDG is not in the correct state. The VDG must be inactive for a START command and active for a STOP command.

Action

If the VDG status is incorrect, it can be removed by the zDP Definition Utility (EIPINIT) by issuing a DELETE VDG command with the FORCE option and redefined.

SCF0746I

```
ZDP VDG vdg_name Started
```

Cause

The zDP START command has been accepted.

Action

None.

SCF0747I

```
ZDP VDG vdg_name Ended
```

Cause

The VDG has ended execution.

Action

None.

SCF0748E

```
ZDP Module EIPZDP not found
```

Cause

The zDP run-time module EIPZDP could not be loaded.

Action

Ensure that EIPZDP is in a LINKLIST dataset or a JOBLIB or STEPLIB dataset allocated to SCF.

SCF0749E

```
ZDP command not performed, reason
```

Cause

The ZDP command failed for the indicated reason.

Action

Correct the command or situation and re-issue the command.

SCF0760E

```
REC QRYDLOCK Invalid Device, RC:rc RS:rs
```

Cause

An invalid device was specified for the REC,QUERYDEVICELOCK command.

Action

Specify a valid device and retry.

SCF0801I

```
SNP GROUP grpname COMPLETED - jobname/jobid//stepname/stmtnmbr
```

Cause

The EMCSNAP NOTIFYWHENCOMPLETE option has been specified, and the background copy operation has completed. When the DATASET parameter of NOTIFY has been used, the field *grpname* will specify the data set name that has been snapped, otherwise it will represent the group name specified in the GROUP parameter. The fields *jobname*, *jobid*, *stepname*, and *stmtnmbr* refer to the EMCSNAP job that started the Snap operation.

Action

None required. Operations that were waiting for the background copy operation to complete can resume; for example, the CLEANUP command can be issued against the source volume to allow for EMCTF BCV operations to take place.

SCF0871I

```
GNS action SELLOCK was unsuccessful - return code=rc reason  
code=rs
```

Cause

The PowerMax or VMAX SELLOCK is held by another application. GNS will automatically acquire the lock when it becomes available.

Action

None.

SCF0873E

```
GNS attempt to getmain nn bytes failed while reading GNS data from  
ucb@ ucb-address
```

Cause

Not enough memory in the SCF server.

Action

Shut down SCF and restart it with a larger REGION parameter.

SCF0874I

```
Raw GNS read failed with RC=rc reason code=rs
```

Cause

The device may be temporarily unavailable.

Possible reason codes include the following:

- 00 - GNS found a storage system that is too old to support GNS.
- 03 - An I/O error may have occurred. The GNS request will fail.
- 05 - The path to the device is invalid or unavailable. This may be an indication that an SRDF connection to a remote storage system is unavailable.
- 09 - The storage system has had a new configuration loaded or else a UCB swap has occurred. If the problem persists, issue an */Fscfname,DEV REFRESH*.
- 11 - The request timed out. GNS has attempted to redrive the request 5 times and it

timed out all 5 times. The GNS action will fail.
GNS will attempt the retry. Message SCF0890I gives the UCB address of the device.

Action
None.

SCF0875E

```
GNS Raw write failed with RC=rc reason code=rs
```

Cause
I/O error.

Action
Correct the I/O error.

SCF0876E

```
GNS attempt to getmain nn bytes failed in nnn
```

Cause
Not enough memory in SCF server.

Action
Shut down SCF and restart it with a larger REGION parameter.

SCF0877E

```
GNS group count would have exceeded maximum allowed. Action terminated.
```

Cause
Gram area is full.

Action
Delete old, unused groups before adding another one.

SCF0878I

```
GNS command accepted
```

Cause
User entered a command from the console.

Action
None.

SCF0879E

```
GNS symmserial IS NOT AN EMC CONTROLLER. command command failed
```

Cause
The user entered invalid syntax or attempted to execute a command against a storage system that does not support GNS.

Action
Validate the command syntax. If the command was directed to a storage system, verify that the storage system supports GNS.

SCF0880I

```
GNS unable to format GRAM on ser# symm-serial One or more host are running old releases of the CSC.
```

Cause

GNS was attempting to format the scratch area on a storage system, but it was blocked because there was a version of SCF running on an LPAR connected to this storage system that did not support GNS. Therefore, this storage system cannot be used in a GNS group.

Action

Upgrade the CSC software by installing a more current release of ResourcePak Base or applying the appropriate PTF.

SCF0881I

```
GNS On host name nn Host(nnn) the CSC level does not support GNS.
```

Cause

This message accompanies SCF0880I and identifies the LPAR and the SCF that is out of date.

Action

Upgrade the CSC software by installing a more current release of ResourcePak Base or applying the appropriate PTF.

SCF0883I

```
GNS Unable to format GRAM on ser# symm-serial the CSC had been REVERTed. Run a FORMAT if required.
```

Cause

The storage system identified by the serial number was explicitly reformatted back to an earlier non-GNS version.

Action

To make the storage system available for GNS usage, a GNS,FORMAT command must be issued against the storage system.

SCF0884W

```
GNS Read from controller symmserial failed (CUU ccuu path path) -  
reason
```

Cause

A storage system or gatekeeper device may be temporarily unavailable. The message includes one of the following reasons or reason codes:

- `bad path` - All paths to the remote storage system were found to be unusable. A UCB swap may have occurred on the locally connected storage system(s) through which the remote storage system is connected.
- `configuration changed` - The IMPL changed on the storage system.
- `gatekeeper changed` - The gatekeeper device could not be pinned, or the gatekeeper UCB address is invalid.
- `invalid path` - All paths to the remote storage system were found to be invalid.
- `no paths found` - No paths to the remote storage system were found.
- `no RDF link available` - The remote storage system cannot be accessed because no SRDF link is available.
- `request timed out` - The request continuously timed out. This may be due to a

resource limitation on the storage system.

- RS=00 - The storage system is too old to support GNS.
- RS=03 - An I/O error occurred.
- RS=05 - All paths to the storage system were found to be unavailable. This may be an indication that an SRDF connection on the remote storage system is unavailable. GNS will retry the request.

Action

None. If the problem persists, issue the DEV,REFRESH command.

SCF0890I

message-text

Cause

This is a generic informational message that GNS uses to provide all the output from commands.

If you receive `MPATH=FFFFFFFFFFFFFFFF UCB@=00000000 CCUU=0001` and the message is preceded by `SCF0874I GNS raw GNS read failed with rc=8 reason code=0`, GNS is indicating that it has found a storage system that is too old to support GNS.

Action

None.

SCF0891W

GNS Device lock failed RC/RS/RS2=aaaaaaaa/bbbbbbbb/cccccccc

Cause

While processing a GNS request, the GNS task encountered a problem when issuing a device lock request. SCF0892W provides details about the error.

Action

None

SCF0892W

GNS Func=xxx Symm=symmserial

Cause

SCF0891W was issued and this message provides more detail about the error.

Action

None

SCF0893W

GNS Device lock stolen from Symm symmserial dev# sccuu

Cause

GNS device lock processing has stolen a device lock while adding a device to a SARPOOL.

Action

None.

SCF0894E

GNS - DEVS API request failed, 0894

Cause

Internal error. GNS attempted to read the device characteristics from a storage system and the request failed. The storage system is inaccessible.

Action

This may be a temporary condition; try the GNS request later. If the condition persists, issue the DEV,REFRESH command.

SCF0895E

```
GNS - RC=rc EMCRC/EMCRS/EMCRCX=rc/rs/rcx CCUU=ccuu
MHOP=hoplist
```

Cause

An API request failed.

Action

If the condition persists, issue the DEV,REFRESH command. If after the DEV,REFRESH command completes the condition persists, then the storage system has become inaccessible.

- If the MHOP value is equal to all FF, then the storage system being accessed is locally attached to the LPAR and the CCUU is on the storage system you are attempting to access.
- When the MHOP value is not all FF, then the CCUU is being used as a gatekeeper to access a remote storage system over the MHOP path. Somewhere along the path the request is failing.

SCF0896E

```
GNS detected that a gatekeeper device has changed. Current GNS
requests will be failed. A REFRESH has been scheduled.
```

Cause

A gatekeeper device has changed.

Action

If the error persists, enter a DEV,RESCAN command. The DEV,RESCAN command causes SCF to rebuild the gatekeeper device information and schedule a GNS,REFRESH, if one is required. After the GNS,REFRESH command completes, enter a GNS,TOPO command. Examine the output of the TOPO command for “Invalid Gatekeeper” indicators. If any appear, enter a DEV,REFRESH command. After the DEV,REFRESH completes, the condition should be cleared.

SCF0897E

```
GNS detected that a gatekeeper device has changed. Retry request
after the DEV REFRESH completes.
```

Cause

A gatekeeper device has changed.

Action

None, unless the condition does not clear up. If the condition does not resolve itself, enter a GNS,REFRESH command. After the refresh completes, enter a GNS,TOPO command. Examine the output of the TOPO command for “Invalid Gatekeeper” indicators. If any appear, enter a DEV,REFRESH command. After the DEV,REFRESH command completes, the condition should be cleared.

SCF0898W

```
GNS failed to REMOVE one or more devices from group gnsgrp, as they are not part of the existing group definition.
```

Cause

One or more storage devices specified using the EXCLUDE DEVICE SYM option was not removed from the group definition, because either the device(s) do not exist or are not contained in the existing group definition.

Action

Verify that the PowerMax or VMAX devices number(s) listed on the EXCLUDE DEVICE SYM option were specified correctly. Correct the device number(s), and reissue the command.

SCF0899E

```
GNS REVERT command not supported for microcode level level (must be 5876 or below)
```

Cause

A GNS,REVERT command was issued for a storage system with the operating environment level 5977 or later. This command is only supported for operating environment levels 5876 and earlier. Consequently, the command has failed.

Action

If the requested storage system was specified incorrectly, correct and reissue the command.

SCF0900I

```
GNS command command completed
```

Cause

A GNS command was issued via SCF modify command or SCF command prefix, and the command has completed successfully.

Action

None.

SCF0901S

```
SCF ADDRESS SPACE IS ALREADY ACTIVE
```

Cause

SCF startup processing detected that an SCF address space is already started. SCF processing terminated.

Action

The SCF subsystem name must be unique. Multiple uniquely named instances can be started and then referenced using `//SCF$nnnn`, as described in the *ResourcePak Base for z/OS Product Guide*.

SCF0902S

```
SCF ADDRESS SPACE REQUIRES APF AUTHORIZATION
```

Cause

SCF initialization detected that the SCF library is not APF authorized. SCF processing terminated.

Action

Authorize the SCF load library and restart SCF.

SCF0908E

```
DYNAMIC ALLOCATION FAILED FOR DDNAME: SCFINI
DYNRC=nnnn DYNINFO=nnnnnnnn DYNERR=nnnnnnn SMSREAS=xxxxxxxx
```

Cause

The SCFINI dataset could not be allocated due to the specified error. SCF processing terminate.

Action

The SCF initialization parameters could not be read. Contact the Dell EMC Customer Support Center.

SCF0909E

```
Environment environment has been disabled
```

Cause

The subtask supporting the indicated environment has abended too many times.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF0910I

```
Environment environment has been restarted
```

Cause

The subtask supporting the indicated environment was restarted by the SCF environment manager. This typically occurs because the subtask had previously abended.

Action

Review the SYSLOG and job logs for errors, and correct the problem, if possible. If the problem persists, contact the Dell EMC Customer Support Center. Ensure to have the SYSLOG, job logs, and all relevant diagnostic information (e.g., dump, SCF trace, LOGREC) available.

SCF0911E

```
macro MACRO FAILED FOR EMC SERVER/MVS
ENVIRONMENT: environment RC=nnnn REAS=nnnn
```

Cause

An error occurred processing the indicated macro on behalf of the indicated environment.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF0912E

```
DYNAMIC ALLOCATION FAILED FOR DDNAME: SCFTRACE
DYNRC=nnnn DYNINFO=nnnnnnnn DYNERR=nnnnnnn SMSREAS=xxxxxxxx
```

Cause

The SCFTRACE dataset could not be allocated due to the specified error.

Action

Processing continues without recording to the SCFTRACE. Contact the Dell EMC Customer Support Center.

SCF0913E

```
DYNAMIC ALLOCATION FAILED FOR DDNAME: SCFLOG
DYNRC=nnnn DYNINFO=nnnnnnnn DYNERR=nnnnnnn SMSREAS=xxxxxxxx
```

Cause

The SCFLOG dataset could not be allocated due to the specified error.

Action

Processing continues without recording to the SCFLOG. Contact the Dell EMC Customer Support Center.

SCF0914I

```
Now logging to hlq.LOG.smfid$$$$.Ddate.Ttime
```

Cause

A new log file was allocated. This message is produced at startup and each time a new log file is allocated while ResourcePak Base is running. These files may be requested by Customer Service personnel in order to assist in debugging a problem.

Action

None.

SCF0915I

```
Now tracing to hlq.TRACE.smfid$$$$.Ddate.Ttime
```

Cause

A new trace file was allocated. This message is produced at startup and each time a new trace file is allocated while ResourcePak Base is running. These files may be requested by Customer Service personnel in order to assist in debugging a problem.

Action

None.

SCF0917I

```
Deleting {hlq.TRACE.smfid$$$$.Ddate.Ttime
| hlq.LOG.smfid$$$$.Ddate.Ttime}
```

Cause

A LOG or TRACE dataset is being deleted because it is older than the specified number of days to retain the dataset or the specified number of active datasets has been exceeded. Use the SCF.LOG.RETAIN.DAYS or SCF.TRACE.RETAIN.DAYS initialization parameters to specify the number of days to retain datasets, or use the SCF.LOG.RETAIN.COUNT or SCF.TRACE.RETAIN.COUNT initialization parameters to specify the allowable number of active LOG or TRACE datasets.

Action

None.

SCF1001E

\$ENVBLK DOES NOT CONTAIN A PROCEDURE NAME

Cause

Internal error. Invalid SCF function requested by SymmAPI-MF.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF1002E

ATTACH FAILED FOR SCFEMGR TASK

Cause

Internal error. SCF was unable to attach the specified task. SCF processing terminated.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF1005E

SWAREQ MACRO FAILED

Cause

Internal error. SCF processing terminated.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF1006E

START PARAMETER LENGTH EXCEEDS 124 CHARACTERS

Cause

The parameter length specified on the z/OS START command for SCF was too long.

Action

Verify that the START command was entered correctly. Contact the Dell EMC Customer Support Center.

SCF1086E

UNABLE TO ALLOCATE SCFTRACE FILE

Cause

There was a failure allocating the SCFTRACE file.

Action

Correct the cause of the allocation failure and recycle SCF.

SCF1096E

UNABLE TO ALLOCATE SCFLOG FILE

Cause

There was a failure allocating the SCFLOG file.

Action

Correct the cause of the allocation failure and recycle SCF.

SCF1100I

```
{DSE|SDV|SOT|THN} MONITOR {DSEPOOL|SNAPPOOL|SPILLOVER  
TIME|THINPOOL} TASK STARTED
```

Cause

A monitor task was started.

Action

None.

SCF1101I

```
{DSE|SDV|THN} parsetext
```

Cause

The initialization parameters read are echoed to the console.

Action

None.

SCF1102I

```
text MONITOR {DSE|SDV|THN} text
```

Cause

The indicated monitor task is ending.

Action

None.

SCF1110I

```
{DSE|SDV|THN} CONTROLLER symm-serial AT MICROCODE LEVEL level
```

Cause

A display of storage system status was requested. This storage system is registered with DSE, SDV, or THN and is running the indicated operating environment level.

Action

None.

SCF1111I

```
{DSE|SDV|THN} -- DISABLED FROM PROCESSING
```

Cause

This message follows message SCF1110I and indicates that this storage system is not being monitored.

Action

None. To monitor this storage system, correct the initialization parameters for DSE, SDV, or THN to include this storage system. The operating environment of the storage system must be at an appropriate level.

SCF1112I

```
{DSE|SDV|THN} -- LAST TIME CHECK: timestamp1 NEXT TIME  
CHECK: timestamp2
```

Cause

This message is part of the status messages. It identifies the last time that the storage system device status was checked, and the next time that it will be checked.

Action

None.

SCF1113I

```
{DSE|SDV|THN} -- LAST PERCENT: ppp ([THIN-p1] [3380-p2] [3390-  
p3] [FBA-p4]), CURRENT INTERVAL: interval
```

Cause

This message is part of the status messages. *xxx* indicates DSE, SDV, or THN. It identifies the last percentage observed, and breaks it down by device type. It also identifies the current interval being used for processing.

Action

None.

SCF1114I

```
{DSE|SDV|THN} -- GATEKEEPER DEVICE: ccuu
```

Cause

This message is part of the status messages. *xxx* indicates DSE, SDV, or THN. It identifies the gatekeeper device being used to monitor the storage system device status.

Action

None. If you wish to change the gatekeeper device used, modify the initialization parameters.

SCF1115I

```
{DSE|SDV|THN} -- NOT SUPPORTED
```

Cause

This message follows message SCF1110I and indicates that this storage system is not being monitored. The operating environment of the storage system is not at a supported level.

Action

None.

SCF1116I

```
{DSE|SDV|THN} POOL poolname INTERVALS DEFINED
```

Cause

The indicated pool has intervals defined.

Action

None.

SCF1117I

```
{DSE|SDV|THN} -- LAST PERCENT: ppp, CURRENT INTERVAL: interval
```

Cause

This message is part of the status messages. This message identifies the last percentage

observed for a pool.

Action

None.

SCF1120I

```
{DSE|SDV|THN} MONITOR {DSEPOOL|SNAPPOOL|THINPOOL} TASK ENABLED
```

Cause

The Monitor task is enabled and active for processing. This is a status message.

Action

None.

SCF1121I

```
{DSE|SDV|THN} MONITOR {DSEPOOL|SNAPPOOL|THINPOOL} TASK DISABLED
```

Cause

The Monitor task is disabled and is not processing. This is a status message.

Action

None.

SCF1122I

```
{DSE|SDV|THN} -- USING GLOBAL INTERVAL LIST
```

Cause

The storage system is using the GLOBAL INTERVAL list. There are no specific intervals defined for this storage system.

Action

None.

SCF1123I

```
{DSE|SDV|THN} -- POOL INTERVALS NOT DEFINED, USING CONTROLLER  
VALUES
```

Cause

There are no specific intervals defined for this pool. It is using the intervals defined for the storage system. xxx indicates DSE, SDV, or THN.

Action

None.

SCF1125I

```
{DSE|SDV|THN} -- INI PARAMETERS LOADED
```

Cause

The initialization parameters have been loaded. This message will initially appear after the monitor has started and processed the initialization parameters. This message also appears after a REFRESH command has been issued.

Action

None.

SCF1130I

```
{DSE|SDV|THN} GLOBAL INTERVAL iii, PERCENT=(ll,hh)
```

Cause

This message is a response to a request to display the device information. The interval *iii* is defined for a percent range of *ll* through *hh*. This interval is part of the GLOBAL interval definition.

Action

None.

SCF1131I

```
{DSE|SDV|THN} CONTROLLER symm-serial INTERVAL iii PERCENT=(ll,hh)
```

Cause

This message is a response to a request to display the device information.

Action

None.

SCF1132I

```
{DSE|SDV|THN} --  
DURATION=duration ACTION={NONE|MESSAGE|USEREXIT|STOP_VDEV} FREQUEN  
CY={ONCE|REPEAT|NONE}
```

Cause

This message is a response to a request to display the device information. DURATION is the interval of time between checking for any change in percentage. ACTION indicates the action to be performed.

FREQUENCY identifies when the action will be performed, as follows:

- ONCE indicates to only perform the action the first time the interval is detected.
- REPEAT indicates that the action will be performed each time the interval is detected.
- NONE indicates that the action will never be performed.

Action

None.

SCF1133I

```
{DSE|SDV|THN} POOL poolname INTERVAL iii, PERCENT=(ll,hh)
```

Cause

This message is a response to a request to display the device information. The interval is defined for a percent range of *ll* through *hh*. This interval is part of the identified pool interval definition.

Action

None.

SCF1140E

```
{DSE|SDV|THN} -- PERCENT LOW AND HIGH VALUES ARE INVALID
```

Cause

When processing the initialization parameter values, a percentage value with inappropriate values was detected. Typically, the low value is greater than the high value.

Action

Correct the percent value.

SCF1141E

```
{DSE|SDV|THN} -- THIS INTERVAL DOES NOT IMMEDIATELY FOLLOW THE  
PREVIOUS INTERVAL - CHECK PERCENT
```

Cause

The percent field for this interval is not adjacent to the percent field of the previous interval, leaving a gap in the percent range.

Action

Correct the percent value.

SCF1150I

```
{DSE|SDV|THN|SOT} WAITING FOR SCFDEVIC TO COMPLETE INITIALIZATION
```

Cause

The indicated task is active, waiting for the SCFDEVIC (DEV) task to complete initialization. This message will be displayed every five minutes until it is able to begin processing.

Action

None.

SCF1160I

```
{DSE|SDV|THN} CONTROLLER symm-serial IS AT pp% UTILIZATION OF  
{SNAPPOOL|SAVEDEV|THINPOOL} SPACE (3380-ii 3390-jj FBA-kk)
```

Cause

The indicated storage system is being monitored and a display of the utilization is provided.

Action

None.

SCF1161I

```
{DSE|SDV|THN} POOL symm-serial - poolname IS AT ppp% UTILIZATION  
OF {SNAPPOOL|SAVEDEV|THINPOOL} SPACE - text-string
```

Cause

A storage system pool is being monitored and a display of the utilization is provided.

Action

None.

SCF1162I

```
{DSE|SDV|THN} CONTROLLER symm-serial * STATISTICS FOR pool-type *  
COUNT-dev FREE-trks USED-trks)
```

Cause

This message displays device and track statistics for the indicated pool type.

- *symm-serial* - Indicates the serial number of the system reporting the usage.
- *pool-type* - Indicates the pool type being used, such as 3380, 3390, or FBA.
- COUNT-*#dev* - Indicates the count of the number of devices that are active in pools.

- `FREE-#trks` - Indicates the number of tracks that are free in the pools.
- `USED-#trks` - Indicates the number of tracks that are being used in the pools.

Action

None.

SCF1163I

```
{DSE|SDV|THN} POOL symm-serial - poolname * STATISTICS *  
COUNT-devs FREE-trks USED-trks)
```

Cause

This message shows the device and track statistics for the indicated pool.

- `symm-serial` - Indicates the serial number of the system reporting the usage.
- `poolname` - Indicates the pool name being used.
- `COUNT-dev` - Indicates the count of the number of devices that are active in the pool.
- `FREE-trks` - Indicates the number of tracks that are free.
- `USED-trks` - Indicates the number of tracks in use.

Action

None.

SCF1170E

```
{DSE|SDV|THN} CONTROLLER symm-serial NOT FOUND
```

Cause

An operator command was entered, but the requested storage system was not found.

Action

Correct the serial number in the operator command.

SCF1171E

```
{DSE|SDV|THN} CONTROLLER symm-serial IS NOT SUPPORTED FOR  
PROCESSING
```

Cause

An operator command was entered for this storage system, but the storage system does not support the indicated type of pools.

Action

Correct the operator command.

SCF1172E

```
{DSE|SDV|THN} CONTROLLER symm-serial POOL poolname NOT FOUND
```

Cause

An operator command was entered for a specific pool on a storage system. The pool is not valid for the requested storage system.

Action

Ensure that a correct serial number and pool name is specified on the operator command.

SCF1173E

```
{DSE|SDV|THN} CONTROLLER symm-serial POOL poolname IS NOT  
SUPPORTED FOR PROCESSING
```

Cause

An operator command was entered for a specific pool on a storage system. There are no pool intervals defined for this storage system.

Action

Correct the operator command.

SCF1180E

```
{DSE|SDV|THN} CONTROLLER symm-serial, USER EXIT exitname FAILED,  
SWITCHING TO MESSAGE FOR INTERVAL iii
```

Cause

The indicated user exit was called, and failed. If this interval is processed again, MESSAGE processing will be used.

Action

The most likely reason for the user exit to fail is because it is not available in the STEPLIB, JOBLIB, or LINKLIB. Check the console log for related messages (like abend) and correct the user exit.

SCF1190I

```
message-text
```

Cause

This message echoes each DSE, SDV, or THN command to the job log.

Action

None.

SCF1191I

```
{DSE|SDV|THN} COMMAND ACCEPTED.
```

Cause

SCF command processing accepted the specified DSE command.

Action

None.

SCF1200I

```
ASY MONITOR TASK STARTED
```

Cause

This message is issued when the SRDF/A Monitor task starts.

Action

None.

SCF1201I

```
ASY text
```

Cause

This message is issued when a parsing error has been detected. *text* will point to the parameter in error.

Action

Review text and correct the parameter in error.

SCF1202I

```
ASY MONITOR TASK ENDED
```

Cause

This message is issued when the SRDF/A Monitor task ends.

Action

None.

SCF1203I

```
ASY MONITOR DEBUG ON
```

Cause

This message is only issued when DEBUG is on. This message is issued when the SRDF/A Monitor starts and detects that DEBUG mode is on.

Action

None.

SCF1210I

```
ASY - ESFASY STARTED
```

Cause

The stub module for the SRDF/A Monitor environment started.

Action

None.

SCF1211I

```
ASY - SRDF HC NOT INSTALLED - ASY WILL BE DISABLED
```

Cause

The SRDF/A Monitor was started but the SRDF Host Component modules for the environment cannot be located.

Action

If you have SRDF Host Component and you want to use the SRDF/A Monitor, place the SRDF Host Component library in the concatenation for ResourcePak Base to find.

SCF1212I

```
ASY - ESFASY ENDED
```

Cause

The SRDF/A Monitor environment stub module has terminated.

Action

None.

SCF1220I

```
ASY MONITOR TASK ENABLED
```

Cause

This message is issued when the SRDF/A Monitor displays the status of the srdfASYnc task.

Action

None.

SCF1221I

```
ASY MONITOR TASK DISABLED
```

Cause

This message is issued when the SRDF/A Monitor displays the status of the srdfASYnc task.

Action

None.

SCF1222I

```
ASY - INITIALIZATION PARMS NOT FOUND - ATTEMPTING REFRESH
```

Cause

An ASY,ENABLE command was issued but SRDF/A Monitor initialization parameters could not be found. A forced refresh has been attempted.

Action

None.

SCF1226I

```
ASY -- SSAR - GLOBAL SYSTEM ID=nnnn SSAR SYSTEM ID=nnnn SSAR  
ENABLED=Y
```

Cause

This message is produced by the ASY,DISPLAY command.

Action

None.

SCF1227I

```
ASY -- SSAR ACTIVE=N #OF SESSIONS=nnnn GRP RCVRY=N
```

Cause

This message is produced by the ASY,DISPLAY command.

Action

None.

SCF1228I

```
ASY -- CPMX=command-prefix MANUAL=N MINDIR=value ITRACK=count BCV  
P1=bcv-policy1 BCV P2=bcv-policy2
```

Cause

This message is produced by the ASY,DISPLAY command. MINDIR is the minimum number of directors and ITRACK is the invalid track count.

Action

None.

SCF1229I

```
ASY -- INVPGM=EHCXMSCR STCPGM=EHCRAFIF  
JOBNAME=jobname PROCNAME=procname
```

Cause

This message is produced by the ASY,DISPLAY command. JOBNAME indicates the specified job name and PROCNAME shows the specified procedure name.

Action

None.

SCF1230I

```
ASY -- POLL=value MINS SMF POLL=value SMF REC=value SEC  
DELAY=value USEREXIT=value.
```

Cause

This message is issued when the SRDF/A Monitor displays the status of the srdfASYnc task parameters.

- POLL shows the value specified by the SCF.ASY.POLL.INTERVAL initialization parameter.
- SMF POOL shows the value specified by the SCF.ASY.SMF.POLL initialization parameter.
- SMF RECC shows the value specified by the SCF.ASY.SMF.RECORD initialization parameter.
- SEC DELAY shows the value specified by the SCF.ASY.SECONDARY_DELAY initialization parameter.
- USEREXIT shows the value specified by the SCF.ASY.USEREXIT initialization parameter.

Action

None.

SCF1231I

```
ASY - FOUND ON CONTROLLER symm-serial RDFGRP(srdfgrp)  
{PRIMARY|SECONDARY}
```

Cause

This message is issued when the SRDF/A Monitor discovers an SRDF/A session. This message is issued only when DEBUG is on.

- *symm-serial* - The serial number of the storage system containing SRDF/A.
- *srdfgrp* - The SRDF group that has SRDF/A.

Action

None.

SCF1232I

```
ASY - CONTROLLER symm-serial RDFGRP(srdfgrp) TOLERANCE CHANGED ON  
-> OFF
```

Cause

This message is issued when the SRDF/A Monitor discovers an SRDF/A session had a

status change where the SRDF/A Tolerance mode went from ON to OFF.

- *symm-serial* - The serial number of the storage system containing SRDF/A.
- *srdmgrp* - The SRDF group that has SRDF/A.

Action

None.

SCF1233I

```
ASY - CONTROLLER symm-serial RDFGRP(srdmgrp) TOLERANCE CHANGED OFF  
-> ON
```

Cause

This message is issued when the SRDF/A Monitor discovers an SRDF/A session had a status change where the SRDF/A Tolerance mode went from OFF to ON.

- *symm-serial* - The serial number of the storage system containing SRDF/A
- *srdmgrp* - The SRDF group that has SRDF/A

Action

None.

SCF1234I

```
ASY - CONTROLLER symm-serial RDFGRP(srdmgrp) ACT CHANGED ON -> OFF
```

Cause

This message is issued when the SRDF/A Monitor discovers an SRDF/A session had a status change where SRDF/A went from active to inactive.

- *symm-serial* - The serial number of the storage system containing SRDF/A.
- *srdmgrp* - The SRDF group that has SRDF/A.

Action

None.

SCF1235I

```
ASY - CONTROLLER symm-serial RDFGRP(srdmgrp) ACT CHANGED OFF -> ON
```

Cause

This message is issued when the SRDF/A Monitor discovers an SRDF/A session had a status change where SRDF/A went from inactive to active.

- *symm-serial* - The serial number of the storage system containing SRDF/A.
- *srdmgrp* - The SRDF group that has SRDF/A.

Action

None.

SCF1236I

```
ASY - CONTROLLER symm-serial RDFGRP(srdmgrp) SECONDARY DELAY =  
ccccccc
```

Cause

This message is issued when the SRDF/A Monitor discovers that the secondary delay threshold has been exceeded.

- *symm-serial* - The serial number of the storage system containing SRDF/A.
- *srdmgrp* - The SRDF group that has SRDF/A.

- ccccccc - The current value of the secondary delay.

Action

None.

SCF1237I

```
ASY -- CONTROLLER symm-serial RDFGRP(srdfgrp)
MINDIR=count ITRACK=count BCV P1=bcv-policy1 BCV P2=bcv-policy2
```

Cause

This message is produced by the ASY,DISPLAY command.

- *symm-serial* - The serial number of the storage system containing SRDF/A.
- *srdfgrp* - The SRDF group that has SRDF/A.
- MINDIR is the minimum number of directors.
- ITRACK is the invalid track count.
- BCV P1 and BCV P2 indicate the BCV policy 1 and BCV policy 2.

Action

None.

SCF1238I

```
ASY -- GK=ccuu REL=level AUTOR ENA={Y|N} AUTOR
ACT={Y|N} MSC={Y|N} SRDFA={Y|N}
```

Cause

This message is produced by the ASY,DISPLAY command.

- GK is the gatekeeper device.
- REL is the operating environment level.
- AUTOR ENA indicates if Auto Recovery is enabled.
- AUTOR ACT indicates if Auto Recovery is active.
- MSC indicates if MSC-managed.
- SRDFA indicates if SRDF/A is active.

Action

None.

SCF1240I

```
ASY MONITOR IN CUT_SMF_RECORD
```

Cause

This message is issued only when DEBUG is on. This message is issued when the SRDF/A Monitor is cutting the SMF record.

Action

None.

SCF1241I

```
ASY MONITOR IN CALL_USER_EXIT
```

Cause

This message is issued only when DEBUG is on. It is issued when the SRDF/A Monitor is calling the user-specified user exit.

Action

None.

SCF1242I

```
ASY -- SMF RECORD FOR CONTROLLER symm-serial RDFGRP(srdfgrp)
```

Cause

This message is issued only when DEBUG is on. This message is issued when the SRDF/A Monitor is calling the program that cuts the SMF record.

- *symm-serial* - The serial number of the storage system containing SRDF/A.
- *srdfgrp* - The SRDF group that has SRDF/A.

Action

None.

SCF1250I

```
ASY MONITOR WAITING FOR SCFDEVIC TO COMPLETE INITIALIZATION
```

Cause

This message is issued when the SRDF/A Monitor is ready to process but the SCF device table is still initializing.

Action

None.

SCF1261I

```
ASY MONITOR FREED ADDRESS = address FOR = length
```

Cause

This is a diagnostic message issued by the SRDF/A Monitor task when DEBUG is on, indicating the storage address (8 digits) and length (8 digits) of the SRDF/A Monitor block that was released.

Action

None.

SCF1270E

```
ASY CONTROLLER sssss NOT FOUND
```

Cause

A command was issued to the SRDF/A Monitor that was specifying a specific storage system with the last 5-digit serial number *sssss* and the storage system with that serial number cannot be located.

Action

Correct the serial number specified in the command.

SCF1280E

```
ASY CONTROLLER symm-serial, USER EXIT FAILED, SWITCHING TO MESSAGE
```

Cause

The SRDF/A Monitor invoked the user exit for the indicated storage system and the exit abended. It automatically stops calling the user exit.

Action

Correct the code in the user exit, and restart SCF.

SCF1280I

```
ASY CONTROLLER symm-serial USER EXIT userexit FAILED, SWITCHING TO MESSAGE
```

Cause

This message is issued when the SRDF/A Monitor has invoked the user-specified user exit, but the user exit has abended. All future actions requiring the user exit will issue messages instead.

Action

Determine the cause of the abend and correct user exit. Disable and re-enable the SRDF/A Monitor environment.

SCF1281I

```
ASY -- DISABLE NOT ALLOWED - AUTO RECOVERY IS ACTIVE FOR count SESSION(S)
```

Cause

The SRDF/A Monitor cannot be disabled because active SRDF/A Auto Recovery sessions exist.

Action

None.

SCF1282I

```
ASY -- RUNNING ON LPAR lpar1 BUT LPAR lpar2 WAS SPECIFIED - AUTO RECOVERY DISABLED
```

Cause

This message is produced by the SRDF/A Monitor to indicate that Auto Recovery is disabled.

Action

None.

SCF1283E

```
ASY -- RECOVERY FAILED FOR SRDFID srdfgrp ASCRE FAILED - RC xx
```

Cause

This message is produced by the SRDF/A Monitor, where *srdfgrp* is the SRDF group that has SRDF/A and *xx* specifies the return code. The required address space could not be created. The return code specified indicates the error. The most likely cause is a system error.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF1284E

```
ASY -- RECOVERY FAILED FOR SRDFID srdfgrp EHCRCVRY - RC rc
```

Cause

This message is produced by the SRDF/A Monitor, where *srdfgrp* is the SRDF group that has SRDF/A and *rc* is the return code. The SRDF/A Auto Recovery job failed.

Action

See the SSAR job log for more information. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF1285I

```
ASY -- RECOVERY COMPLETE FOR SRDFID srdfgrp
```

Cause

This message is produced by the SRDF/A Monitor to indicate that SRDF/A Auto Recovery is complete, where *srdfgrp* is the SRDF group that has SRDF/A.

Action

None.

SCF1286E

```
ASY -- AUTO RECOVERY NOT ENABLED - OR MORE REQUIRED OPTIONS  
MISSING
```

Cause

This message is produced by the SRDF/A Monitor when the SRDF/A Auto Recovery feature could not be enabled.

Action

Correct the specified condition and enable SRDF/A Auto Recovery.

SCF1287I

```
ASY -- AUTO RECOVERY ENABLED
```

Cause

This message is produced by the SRDF/A Monitor to indicate that SRDF/A Auto Recovery is enabled.

Action

None.

SCF1288I

```
ASY -- AUTO RECOVERY DISABLED
```

Cause

This message is produced by the SRDF/A Monitor to indicate that SRDF/A Auto Recovery is disabled.

Action

None.

SCF1289I

```
ASY -- CONTROLLER symm-serial RDFGRP(srdfgrp) IS ACTIVE OR MSC  
MANAGED. RECOVERY NOT INITIATED
```

Cause

This message is produced by the SRDF/A Monitor to indicate that recovery was not initiated.

Action

None.

SCF1290I

message-text

Cause

This message echoes the SRDF/A Monitor operator command.

Action

None.

SCF1291I

ASY *command* COMMAND ACCEPTED

Cause

The indicated SRDF/A Monitor command has been accepted for processing.

Action

None.

SCF1292E

ASY *command* COMMAND

Cause

A bad command *command* was issued.

Action

Correct and re-issue the command.

SCF1292I

ASY *command* COMMAND FAILED

Cause

This message is issued when the indicated command has failed to pass validation.

Action

None.

SCF1293I

ASY -- AUTO RECOVERY INITIATED FOR SER#=*symm-serial* SRDFID=*srdmgrp*

Cause

This message is produced by the SRDF/A Monitor when SRDF/A Single Session Auto Recovery is invoked.

Action

None.

SCF1294I

ASY -- RECOVERY PARMS: STCPGM=EHCRAFIF
INVPGM=*program* GK=*ccuu* R1=*srdmgrp* INVTRK=*count*

Cause

This message is produced by the SRDF/A Monitor when SRDF/A Single Session Auto

Recovery is invoked. INVTRK indicates the invalid track count.

Action

None.

SCF1295I

```
ASY -- CPMX=command-  
prefix PHASE1={EN|NN} PHASE2={EN|NN} MINDIR=value
```

Cause

This message is produced by the SRDF/A Monitor when SRDF/A Single Session Auto Recovery is invoked.

CPMX indicates the SRDF Host Component command prefix. PHASE1 and PHASE2 show the BCV phase 1 or 2 option. MINDIR indicates the specified minimum number of directors.

Action

None.

SCF1296E

```
ASY - AUTO RECOVERY COMMAND REJECTED - ENABLE ASY MONITOR
```

Cause

An SRDF/A Auto Recovery command was issued while the SRDF/A Monitor was disabled.

Action

Enable the SRDF/A Monitor and retry.

SCF1297I

```
ASY - SSAR DISABLED INVALID CONTROLLER or RDFGROUP  
specified:CONTROLLER symmserial RDFGRP(srdmgrp)
```

Cause

SRDF/A Single Session Auto Recovery has been disabled due to a non-existent storage system or SRDF group.

Action

None.

SCF1300I

```
MSC - TASK STARTED
```

Cause

The SCF MSC environment started.

Action

None.

SCF1301I

```
MSC - TASK TIMER
```

Cause

Indicates the MSC Heartbeat task, which is issued every 5 minutes while MSC is active.

Action

None.

SCF1302I

MSC - TASK ENDED

Cause

The SCF MSC environment ended.

Action

None.

SCF1303I

MSC - DEBUG ON

Cause

The MSC DEBUG mode is enabled.

Action

None.

SCF1304I

MSC - SRDF HC POST

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1305E

MSC - SRDF HC POSTED BUT THE \$MSCCB ADDRESS IS ZERO

Cause

An internal logic error has occurred.

Action

A possible cause of this error is issuing the MSC,RESTART command at a wrong time. See the description of the MSC,REFRESH and MSC,RESTART commands in the *ResourcePak Base for z/OS Product Guide*.

If you still cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF1306E

MSC - DUPLICATE GROUP NAME FOUND ALREADY RUNNING

Cause

SRDF Host Component has processed and validated a MSC group and then posted the SCF MSC environment with the definition. The SCF MSC environment was already processing for the same group.

Action

None, unless you want to change the MSC group. If you want to change the MSC group, you need to disable the SCF MSC environment and then enable the SCF MSC environment again. Then you need to have SRDF Host Component process the MSC group

again.

SCF1307E

```
MSC - CANNOT ADD GROUP SINCE EIGHT ARE ALREADY RUNNING
```

Cause

The maximum number of MSC groups is already running in the SCF MSC environment.

Action

To add more MSC groups, run a new SCF address space.

SCF1308I

```
MSC      text
```

Cause

This message is issued when a parsing error occurs. The text varies depending on the error found.

Action

Correct the error condition and refresh the initialization parameters.

SCF1309I

```
MSC - SAI DEBUG ON
```

Cause

This message indicates that a special diagnostic is turned on.

Action

None

SCF1310I

```
MSC - SCFMSC STARTED
```

Cause

The MSC environment stub module has started.

Action

None.

SCF1311I

```
MSC - SRDF HC NOT INSTALLED - MSC WILL BE DISABLED
```

Cause

The MSC stub module cannot locate the SRDF Host Component modules to run this environment.

Action

If you have SRDF Host Component and want to run this environment, then add the SRDF Host Component linklib in the concatenation.

SCF1312I

```
MSC - SCFMSC ENDED
```

Cause

The MSC environment stub module has terminated.

Action

None.

SCF1315I

```
MSC MODULE=mmmmmmmmmm VER=Vv.r.m PATCH=pppppppp
```

Cause

This message displays module information for MSC. where *mmmmmmmmmm* is the module name and *pppppppp* is the module patch level (for example, SR83005).

Action

None.

SCF1316I

```
MSC - {STAR|STAR-A|SQAR} SDDF QUERY TO DA
```

Cause

This message indicates that syscall 017F/0A is being run to DA(s).

Action

None.

SCF1317I

```
MSC - {STAR|STAR-A|SQAR} SDDF QUERY TO MF HA
```

Cause

This message indicates that syscall 017F/0A is being run to mainframe host adapters.

Action

None.

SCF1318I

```
MSC - {STAR|STAR-A|SQAR} SDDF QUERY TO OS HA
```

Cause

This message indicates that syscall 017F/0A is being run to open systems host adapters.

Action

None.

SCF1319I

```
MSC - SET TO ADCOPY-DISK ON SRDFA DROP
```

Cause

The MSC task has started and found the SCF.MSC.ADCOPY.ONDROP=YES initialization parameter. MSC will issue the following command to each SRDF group in the MSC_GROUP when SRDF/A drops:

```
SC VOL,LCL(ccuu,srdfgrp),ADCOPY_DISK,ALL,CQNAME=mscgrp
```

Where *ccuu* is the MSC gatekeeper device, *srdfgrp* is the SRDF group, and *mscgrp* is the first eight bytes of the MSC_GROUP name.

Action

None.

SCF1320I

MSC - TASK ENABLED

Cause

This message indicates the status of the SCF MSC environment.

Action

None.

SCF1321I

MSC - TASK DISABLED

Cause

This message indicates the status of the SCF MSC environment.

Action

None.

SCF1322I

MSC - AUTO RECOVERY {ENABLED|DISABLED}

Cause

This message displays the SRDF Automated Recovery status.

Action

If this is not the desired state, update the SRDF Host Component SRDFA_AUTO_RECOVER initialization parameter.

SCF1323I

MSC - ALLOW OVERWRITE OF SCRATCH AREA AND BOXLIST

Cause

This message is issued at the start of a new MSC definition to indicate that the SCF.MSC.OVERWRITE parameter is set to YES.

Action

None.

SCF1324I

MSC - WAITING FOR SCFDEVIC TO COMPLETE INITIALIZATION

Cause

This message is issued when the MSC environment is waiting for the device table before it can continue.

Action

None.

SCF1325E

MSC - SAI ERROR FOR
VID=*vid* R15=*r15* EMCRC=*emcrc* EMCRS=*emcrs* EMCRCX=*emcrx*, *routine-name*

Cause

This message is issued when an API call is made that ended with a failure. The *vid* identifies the API call. The *r15*, *emcrc*, *emcrs*, and *emcrx* provide details about the error. The *routine-name* identifies the calling routine name.

Action

For any SRDF/A error with a VID of ACTSRDFA, the device state or the SRDF/A status should assist in determining the reason for the error. Issue the SRDF Host Component #SQ VOL command to display the devices in the SRDF group and the `SQ SRDFA, LCL(ccuu, srdfgrp)` command to display the SRDF/A status.

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF1326I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) SERIAL  
= symmserial
```

Cause

This message displays the session information identifying the MSC group name, the MVS device address, the SRDF group, and the storage system serial number.

Action

None.

SCF1327E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) NO SRDFA  
FOUND
```

Cause

The MVS device *ccuu* and SRDF group *async_srdfgrp* do not have SRDF/A.

Action

Correct the MSC group definition statement in SRDF Host Component.

SCF1328I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) SRDFA  
ACTIVE
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1329I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) SRDFA  
INACTIVE
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1330E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) SRDFA NOT
```

PRIMARY SIDE

Cause

The MVS device address and the asynchronous SRDF group identify a secondary side SRDF/A. This message may also be issued to indicate that SRDF/A is not active.

Action

If a secondary side SRDF/A is identified, correct the MSC group definition statement in SRDF Host Component. Issue an #SQ SRDFA command to check the status and activate SRDF/A if it is not active and then restart MSC.

SCF1331E

MSC - GROUP=*mscgrp* (*ccuu*, [*sync_srdfgrp*,] *async_srdfgrp*) CANNOT ATTACH SYMMETRIX TASK

Cause

An internal logic error has occurred.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF1332E

MSC - GROUP=*mscgrp* (*ccuu*, [*sync_srdfgrp*,] *async_srdfgrp*) MAXIMUM ECBLIST REACHED

Cause

An internal logic error has occurred.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF1333I

MSC - GROUP=*mscgrp* MOTHER TASK ENDED

Cause

This message indicates that the mother task has ended.

Action

None.

SCF1334I

MSC - GROUP=*mscgrp* MOTHER TASK TIMER

Cause

A timer has popped since no action has happened in at least five minutes.

Action

None.

SCF1335I

MSC - GROUP=*mscgrp* MOTHER TASK STARTED

Cause

This message shows the name of the MSC group.

Action

None.

SCF1336E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp,] async_srdfgrp) ENQ IS  
ALREADY OWNED
```

Cause

MSC is starting and has found that the ENQ (QNAME=EMC-MSC-) (RNAME=MSC FOR BOX *symm-serial* SESSION# 0) cannot be obtained with a shared status.

Action

The most likely cause is an older version of MSC (SRDF Host Component version 5.2.1 or earlier) is running MSC for this system. To use this version of MSC, you need to stop the older version of MSC. After stopping the old version, restart this version.

SCF1337E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp,] async_srdfgrp) ENQ IS  
ALREADY OWNED BY FLAG
```

Cause

MSC is about to attempt to get the Exclusive Systems ENQ (QNAME =EMC-MSC-, and RNAME=MSC FOR BOX *symm-serial* SESSION# *session-id*) for the SRDF/A session. An internal control block indicates that the ENQ is already owned by this SCF MSC.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF1338E

```
MSC - GROUP=mscgrp R1 DEVICE=ccuu1 R1 DEVICE=ccuu2 SAME SESSION#
```

Cause

The SCF MSC environment was given a MSC group that has the indicated MVS devices that both are trying to include the same SRDF/A session.

Action

Correct the MSC group definition statement in SRDF Host Component.

SCF1339I

```
MSC - GROUP=mscgrp PROCESS_FC01-ALL BOXES READY
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1340E

```
MSC - GROUP=mscgrp INVALID FUNCTION
```

Cause

An internal logic error has occurred.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF1341I

```
MSC - GROUP=mscgrp PROCESS_FC02-ALL BOXES RECORDED
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1342I

```
MSC - GROUP=mscgrp PROCESS_FC03-ALL BOXES ACTIVE
```

Cause

This message shows the MSC group that has just become active.

Action

None.

SCF1343I

```
MSC - GROUP=mscgrp PROCESS_FC04-TIME FOR SWITCH
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1344I

```
MSC - GROUP=mscgrp PROCESS_FC05-ALL BOXES CAN SWITCH
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1345I

```
MSC - GROUP=mscgrp MOTHER TASK FUNCTION TIMER
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer

tracking or message automation.

Action

None.

SCF1346I

```
MSC - GROUP=mscgrp PROCESS_FC06-ALL BOXES OPENED WINDOW AND CYCLE SWITCHED
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1347I

```
MSC - GROUP=mscgrp PROCESS_FC07-ALL BOXES CLOSED WINDOW
```

Cause

This is an MSC (Star) process status message enabled by DEBUG or VERBOSE settings, intended for reference if diagnosing a processing problem. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1348E

```
MSC - GROUP=mscgrp MOTHER TASK MAX_WAIT TIMER FOR FC = value
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1349E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) SRDFA HASN'T BECOME ACTIVE AND CONSISTENT
```

Cause

The SCF MSC environment has been waiting for all of the SRDF/A sessions in the indicated MSC group to become both active and consistent. The maximum wait for these conditions has been exceeded.

Action

Examine the indicated SRDF/A session and determine why the conditions are not met.

SCF1350E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) MSC HASN'T RECORDED FOR THIS BOX
```

Cause

An internal logic error has occurred.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF1351E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) MSC HASN'T  
GONE ACTIVE FOR THIS BOX
```

Cause

An internal logic error has occurred.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF1352E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) TARGET  
CYCLE HAS NOT POSTED
```

Cause

An internal logic error has occurred.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF1353E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) CANNOT  
CYCLE SWITCH
```

Cause

The maximum wait to see if MSC can cycle switch has been exceeded.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF1354E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) DID NOT  
OPEN AND SWITCH
```

Cause

The maximum wait to open the window and cycle switch has been exceeded. This message occurs when all SRDF groups in the MSC_GROUP are ready to cycle-switch, but the OPEN_AND_SWITCH for all the storage systems has not completed within the maximum window time.

Action

1. Verify that the SCF address space in which the MSC task is running has a high dispatching priority. It should be running at a higher priority than the workload that is being replicated. The recommendation is to use the same performance settings as other

started tasks servicing the workload.

2. Verify that the disks used as gatekeepers are dedicated to the LPAR where MSC is running and offline in other LPARs.

SCF1355E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) DID NOT  
CLOSE WINDOW
```

Cause

The maximum wait to complete the MSC window switch and close the window was exceeded. The message occurs when all SRDF groups in MSC_GROUP have received the OPEN_AND_SWITCH for all the storage systems, but the MSC switch processing has not completed within the maximum time window.

Action

1. Verify that the SCF address space in which the MSC task is running has a higher priority than the workload that is being replicated. The recommendation is to use the same performance settings as other started tasks servicing the workload.
2. Verify that the disks used as gatekeepers are dedicated to the LPAR where MSC is running and offline in other LPARs.
3. Verify that the MSC group does not contain page volume for the system on which the MSC is running. MSC does not support including page volumes in the MSC group.

SCF1356I

```
MSC - GROUP=mscgrp IS TERMINATING
```

Cause

This message is issued when the MSC environment terminates for the indicated MSC group.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF1357E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) IS NOT  
CONSISTENT
```

Cause

The indicated MSC group has gone inconsistent. This may happen based on other activity in the storage system that is affecting the SRDF/A SRDF group devices. Possible causes are local replication operations and other background copy type applications.

Action

If you do not want to run inconsistently, do not allow these background type operations on your SRDF/A devices.

SCF1358E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) IS NOT  
ACTIVE
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1359E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp,] async_srdfgrp) HAS  
TOLERANCE MODE ON
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1360R

```
MSC - GROUP=mscgrp FAILED TO RECORD REPLY CONTINUE OR STOP
```

Cause

The recording of the SRDF/A sessions in the storage system has failed. If you continue, you will not have the data recorded in the system to use for recovery.

Action

Reply either Continue or Stop.

SCF1361R

```
MSC - GROUP=mscgrp NOT ALL BOXES HAVE GONE ACTIVE REPLY CONTINUE  
OR STOP
```

Cause

At least one SRDF/A session has not joined MSC.

Action

Reply either Continue or Stop.

SCF1362R

```
MSC - GROUP=mscgrp NOT ALL BOXES CAN CYCLE SWITCH REPLY CONTINUE  
OR STOP
```

Cause

At least one SRDF/A session is not yet ready to cycle switch.

Action

Reply either Continue (to continue to wait) or Stop.

SCF1363R

```
MSC - GROUP=mscgrp NOT ALL BOXES OPENED AND SWITCHED REPLY  
CONTINUE OR STOP
```

Cause

At least one SRDF/A session did not open and cycle switch successfully in the allowed amount of time.

Action

Reply either Continue (to continue to wait) or Stop.

SCF1364R

```
MSC - GROUP=mscgrp NOT ALL BOXES CLOSED WINDOW REPLY CONTINUE OR STOP
```

Cause

At least one SRDF/A session did not close the window successfully in the allowed amount of time.

Action

Reply either Continue (to continue to wait) or Stop.

SCF1365E

```
MSC - GROUP=mscgrp IS IN SRDFA TRANSMIT IDLE - COMMAND CANNOT BE RUN
```

Cause

An attempt was made to restart MSC while one or more of the SRDF/A sessions were in Transmit Idle state (the Transmit Idle feature is turned on and is active due to SRDF link failure). Use the #SQ SRDFA command to determine which of the SRDF groups is in the Transmit Idle state.

Action

Before MSC can be started, you must disengage the failing SRDF groups from the Transmit Idle state and restart SRDF/A. To do this, issue the #SC SRDFA command with the DROP_SIDE keyword and then issue the #SC SRDFA command with the ACT option once the link has been restored.

SCF1366I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) Remote Cycle Switching
```

Cause

This message is issued during MSC initialization to indicate remote cycle switching.

Action

None.

SCF1367I

```
MSC - ADCOPY-DISK on SRDFA DROP disabled due to {CASCADED|AUTO_RECOVER}
```

Cause

The SCF.MSC.ADCOPY.ONDROP=YES setting has been disabled due to either running Cascaded MSC or running with Auto Recovery enabled (SRDFA_AUTO_RECOVER=YES or PROMPT).

Either the operating environment will automatically change the mode for cascaded devices or the Automated Recovery procedure will perform this action.

Action

None.

SCF1368I

```
MSC - GROUP=mscgrp Auto Recovery Retry enabled, limit = nn
```

Cause

This message indicates that Auto Recovery retry processing is enabled, with a retry limit of *nn*.

Action

None.

SCF1369W

```
MSC - GROUP=mscgrp Auto Recovery Retry limit exceeded
```

Cause

At the completion of Auto Recovery, an inactive SRDF/A group was found. However, a retry will not be issued because the retry limit was exceeded.

Action

Investigate the cause of the SRDF/A drop; the group was successfully recovered by a preceding Auto Recovery run, but had dropped before Auto Recovery completed for all of the other MSC SRDF/A groups. After recovering all of the inactive MSC SRDF/A groups, you can restart MSC by issuing an MSC,RESTART command.

SCF136AE

```
MSC - GROUP=mscgrp (ccuu,srdfgrp) Invalid microcode level nnnn,  
function function
```

Cause

An invalid operating environment level was found during MSC initialization. This is usually the result of an error during the definition of the MSC group by SRDF Host Component.

Action

Check the SRDF Host Component log for any error messages and issue an #SC GLOBAL,PARM_REFRESH command after the error is corrected.

SCF136CI

```
MSC - GROUP=mscgrp EHCSRBOC address aaaaaaaa
```

Cause

This message is written to the SCF log during MSC initialization, to display the address of the Cycle Switch SRB routine.

Action

None.

SCF136DW

```
MSC - GROUP=mscgrp Cycle Switch delayed, SRB still active
```

Cause

The MSC Cycle Switch SRB routine is still active when MSC is ready to initiate the next cycle switch.

Action

If this message persists (cycle switching does not occur), contact Dell EMC Technical Support.

SCF136EE

```
MSC - GROUP=mscgrp Cycle Switch SRB abnormally terminated
```

Cause

The MSC Cycle Switch SRB has abnormally terminated, which will cause the MSC task to shutdown.

The SRB routine will generate an SVC dump and record the error symptoms in logrec.

Action

Contact Dell EMC Technical Support for assistance. Ensure all relevant documentation is available, including the logrec data and SVC dump.

SCF136FE

```
MSC - GROUP=mscgrp function failed, rc return-code, rsnc reason-code
```

Cause

The indicated function failed with the displayed return and reason codes.

Action

Contact Dell EMC Technical Support for assistance. Ensure all relevant documentation is available.

SCF1370I

```
MSC - GROUP=mscgrp {Logrec|SCF trace} data recorded
```

Cause

Diagnostic data has been written as the result of an unexpected condition.

Action

Contact Dell EMC Technical Support for assistance. Ensure all relevant job documentation is available.

SCF1371I

```
MSC - GROUP=mscgrp running in {Multi-cycle|Legacy} Mode
```

Cause

This message is issued to indicate the MSC mode when any storage system in the MSC group is running PowerMaxOS 5978 or HYPERMAX OS 5977.

Action

None.

SCF1372I

```
MSC - GROUP=mscgrp (ccuu,srdfgrp) MSC Tag tag Transmit Cycle cycle Committed
```

Cause

This is a verbose (log only) message issued when running in Multi-Cycle Mode to show the commit of the indicated cycle.

Action

None.

SCF1373I

```
MSC - GROUP=mscgrp MCM Alignment {complete|failed}
```

Cause

This message is issued when running in Multi-Cycle mode to indicate the completion or

failure of the alignment of the SRDF/A cycles. The cycles must be aligned before MSC cycle switching commences.

Action

None if the alignment is complete.

If the alignment failed, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF1375I

```
MSC - GROUP=mscgrp (ccuu,[sync_srdfgrp,]async_srdfgrp) SYMMETRIX  
TASK TIMER
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1376I

```
MSC - GROUP=mscgrp (ccuu,[sync_srdfgrp,]async_srdfgrp) SYMMETRIX  
TASK ENDED
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1377I

```
MSC - GROUP=mscgrp (ccuu,[sync_srdfgrp,]async_srdfgrp) SYMMETRIX  
TASK STARTED
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1378I

```
MSC - GROUP=mscgrp (ccuu,[sync_srdfgrp,]async_srdfgrp) SRDFA NOT  
ACTIVE
```

Cause

This message is issued after MSC just tried to make SRDF/A active and it is not active.

Action

Examine the indicated SRDF/A session to determine why SRDF/A did not become active.

SCF1379I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) INVALID  
FUNCTION
```

Cause

An internal logic error has occurred.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF1380I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_ra) PROCESS_FC01-  
RECORD ALL BOXES
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1381I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp)  
PROCESS_FC02-ACTIVATE MSC
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1382I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp)  
PROCESS_FC04-CAN WE SWITCH?
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1383I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp)  
PROCESS_FC05-OPEN AND SWITCH
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer

tracking or message automation.

Action

None.

SCF1384I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp)  
PROCESS_FC06-CLOSE WINDOW
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1385E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) SRDFA DID  
NOT ACTIVATE - PRIMARY SIDE
```

Cause

This message indicates that the primary side of the SRDF/A session did not activate.

Action

Examine the SRDF/A session to determine the problem.

SCF1386E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) SRDFA DID  
NOT ACTIVATE - SECONDARY SIDE
```

Cause

This message indicates that the secondary side of the SRDF/A session did not activate.

Action

Examine the SRDF/A session identified by the ccuu and the SRDF group to determine the problem.

SCF1387E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) SRDFA DID  
NOT ACTIVATE - CLEAN-UP
```

Cause

This message indicates that SRDF/A cleanup is running.

Action

Examine the SRDF/A session identified by ccuu and the SRDF group to determine the problem.

SCF1388I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) WAITING FOR  
CONSISTENCY
```

Cause

This message identifies that SRDF/A session that is waiting to become consistent.

Action

None.

SCF1389I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp,] async_srdfgrp) HAS BECOME  
INCONSISTENT
```

Cause

This message shows that the SRDF/A session identified by the CCUU and the SRDF group has become inconsistent. Therefore, the entire MSC group can now be considered inconsistent.

Action

None.

SCF138AI

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp,] async_srdfgrp)  
PROCESS_FC02-ACTIVATE MSC complete
```

Cause

The MSC mode has been activated for the SRDF/A group. This is a diagnostic message issued under the control of VERBOSE.

Action

None.

SCF1390I

```
message-text
```

Cause

This message echoes MSC operator commands.

Action

None.

SCF1391I

```
MSC - command COMMAND ACCEPTED
```

Cause

The indicated MSC operator command has been accepted for processing.

Action

None.

SCF1392E | SCF1392I

```
MSC - command COMMAND FAILED
```

Cause

The indicated operator command has failed parsing.

Action

Correct the command and retry.

SCF1393E

```
MSC - command rejected, specific MSCGroup required
```

Cause

The command cannot be issued for all MSC groups.

Action

Re-issue the command, specifying a specific MSC group.

SCF1394W

```
MSC - PENDDROP does not guarantee consistency across MSC Groups
```

Cause

An MSC PENDDROP was issued to all MSC groups. Because the MSC groups are independent of one another, consistency across the MSC groups is not guaranteed.

Action

None.

SCF1395E

```
Invalid command, action not specified
```

Cause

The command requires an action.

Action

Re-issue the command, specifying a command action.

SCF1400I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) TOLERANCE
MODE IS ON
```

Cause

The SCF MSC environment has detected that Tolerance mode has come on for the SRDF/A session identified by the CCUU and the SRDF group.

Action

None.

SCF1401I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) TOLERANCE
MODE IS OFF
```

Cause

The SCF MSC environment has detected that Tolerance mode is off for the SRDF/A session identified by the CCUU and the SRDF group.

Action

None.

SCF1402I

```
MSC - GROUP= mscgrp GLOBAL TOLERANCE MODE IS ON
```

Cause

The SCF MSC environment has detected that Tolerance mode has come on for a SRDF/A session in the indicated MSC group and has now flagged this for all SRDF/A sessions in the MSC group.

Action

None.

SCF1403I

```
MSC - GROUP=mscgrp GLOBAL TOLERANCE MODE IS OFF
```

Cause

The SCF MSC environment has detected that Tolerance mode has come off for a SRDF/A session in the indicated MSC group and has flagged this for all SRDF/A sessions in the MSC group.

Action

None.

SCF1404I

```
MSC -  
GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) PROCESS_FC07-  
CHECK STATUS
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1405E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) HOST  
CLEANUP INVOKED
```

Cause

An event has happened such that SRDF/A has dropped and the Host Intervention is now being requested.

Action

Review the SCF MSC messages that follow to determine status of the related SRDF/A MSC group. If this message is not the result of an MSC PEND_DROP, then review SYSLOG for the ICH408E (Service Alert) message with REFCODE=E4CA-0000-*ffggto* determine the cause (*ff*) and SRDF group (*gg*) of the SRDF/A failure. See SRDF/A (MSC) recovery scenarios in the *SRDF Host Component for z/OS Product Guide* for the actions necessary to restart this SRDF/A MSC group.

SCF1406I

```
MSC - GROUP=mscgrp HOST CLEANUP RUNNING
```

Cause

The Host Cleanup function is currently running for the indicated MSC group.

Action

None.

SCF1407I

```
MSC -  
GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) PROCESS_FC08-DROP  
SRDFA
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1408I

```
MSC -
GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) PROCESS_FC09-
COMMIT INACTIVE CYCLE
```

Cause

This message is displayed for the MSC group when the automatic host cleanup is running.

Action

None.

SCF1409I

```
MSC -
GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) PROCESS_FC10-
DISCARD INACTIVE CYCLE
```

Cause

This message is displayed for the MSC group when the automatic host cleanup is running.

Action

None.

SCF1410I

```
MSC - GROUP=mscgrp HOST CLEANUP CASE1 RUNNING
```

Cause

This message is displayed for the MSC group when the automatic host cleanup is running.

Action

None.

SCF1411I

```
MSC - GROUP=mscgrp HOST CLEANUP CASE2 RUNNING
```

Cause

This message is displayed for the indicated MSC group when the automatic host cleanup is running.

Action

None.

SCF1412I

```
MSC - GROUP=mscgrp HOST CLEANUP CASE3 RUNNING
```

Cause

This message is displayed for the indicated MSC group when the automatic host cleanup is running.

Action

None.

SCF1413I

```
MSC - GROUP=msscgrp HOST CLEANUP IS FINISHED
```

Cause

The MSC group has invoked MSC cleanup. This message indicates that the MSC cleanup is finished.

Action

None.

SCF1414I

```
MSC - GROUP=msscgrp HOST CLEANUP - PHASE2 IS RUNNING
```

Cause

The MSC group has verified it can communicate to all systems in the MSC group and will now perform the MSC cleanup on the secondary side of the SRDF/A configuration.

Action

None.

SCF1415I

```
MSC -  
GROUP=msscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) PROCESS_FC11-  
DUMMY FUNCTION
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1416I

```
MSC - GROUP=msscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) HOST  
INTERVENTION REQUIRED
```

Cause

SRDF/A has dropped for the session and the secondary side needs to be told what to do with the receive cycle.

Action

MSC will automatically perform the Host Intervention function if it can. If it cannot, then all SRDF/A sessions need to be examined to determine what to do. Contact the Dell EMC Customer Support Center.

SCF1417I

```
MSC - GROUP=msscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) LOW  
INACTIVE TAG
```

Cause

The product is examining the tags of all systems to determine what to do.

Action

None.

SCF1418I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) INACTIVE
TAG MATCH
```

Cause

MSC is examining the tags of all systems to determine what to do.

Action

None.

SCF1419I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) NO HOST
INTERVENTION REQUIRED
```

Cause

The product is examining the tags of all systems to determine what to do.

Action

None.

SCF1420E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) UNEXPECTED
CONDITION
```

Cause

MSC is doing the automatic cleanup and has found an unexpected condition.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF1421E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) MSC DROP
POLICY - SESSION REMOVED
```

Cause

This message is displayed for the indicated MSC group when the automatic host cleanup is running. The failing session is removed from those that are actively being cycle switched by the MSC environment according to the MSC drop policy.

Action

None.

SCF1422E

```
MSC - GROUP=mscgrp MSC DROP POLICY - DISABLE INVOKED
```

Cause

This message is displayed for the indicated MSC group when the automatic host cleanup is running. The MSC environment is disabled according to the MSC drop policy.

Action

None.

SCF1423I

```
MSC - GROUP=mscgrp FUNCTION MISMATCH ENTERED
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1424I

```
MSC - GROUP=mscgrp FUNCTION MISMATCH EXITED - ZERO
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1425I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) CLOSING WINDOW THAT IS OPEN
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1426I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) GETTING SEL LOCKS
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1427I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) GOT LOCAL SEL LOCK
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1428I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) GOT REMOTE
SEL LOCK
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1429I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) STEALING
LOCAL SEL LOCK
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF142AI

```
MSC - GROUP=mscgrp SEL locks bypassed due to UCB Swap
```

Cause

Due to a UCB swap of an MSC gatekeeper CCUU, followed by an MSC, REFRESH or MSC, DISABLE command, the SEL locks normally obtained during termination processing are bypassed.

Action

None.

SCF142BW

```
MSC - GROUP=mscgrp Primary Server not active
```

Cause

During initialization of a secondary MSC server, the primary server was not active.

Action

To provide for Star or SQAR differential recovery, start the primary (weight factor 0) server. The Star or SQAR SDDF sessions are managed solely by the primary server.

SCF1430I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) LOCAL SEL
LOCK FREED
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer

tracking or message automation.

Action

None.

SCF1431I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) STOLE LOCAL  
SEL LOCK
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1432I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) STEALING  
REMOTE SEL LOCK
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1433I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) REMOTE SEL  
LOCK FREED
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1434I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) STOLE  
REMOTE SEL LOCK
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1435I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) FREEING SEL
```

LOCKS

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1436I

```
MSC - GROUP=mscgrp OBTAINED ALL SEL LOCKS
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1437I

```
MSC - GROUP=mscgrp NOT ABLE TO OBTAIN ALL SEL LOCKS
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1438E | SCF1438W

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) VALID  
SCRATCH AREA - MSC NOT ACTIVE
```

Cause

MSC is starting and found a valid MSC scratch area, but found MSC was not active. This message is issued as a warning and not an error when SCF.MSC.OVERWRITE=YES is specified or defaulted.

Action

Determine why the MSC scratch area is defined, but MSC is not active. The most likely cause is that cleanup from MSC and SRDF/Star has not been performed.

SCF1439E | SCF1439W

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) RMT VALID  
SCRATCH AREA - MSC NOT ACTIVE
```

Cause

MSC is starting and found a valid MSC scratch area, but found MSC was not active. This message is issued as a warning and not an error when SCF.MSC.OVERWRITE=YES is specified or defaulted.

Action

Determine why the MSC scratch area is defined, but MSC is not active. The most likely cause is that cleanup from MSC and SRDF/Star has not been performed.

SCF1440E | SCF1440W

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) LOCAL  
MBLIST IS NOT EMPTY
```

Cause

MSC is starting a new definition and found a valid MSC multi-box list.

This message is issued as a warning and not an error when SCF.MSC.OVERWRITE=YES is specified or defaulted.

Action

Determine why the MSC multi-box list is not empty. A possible cause is another definition is already running or cleanup has not been run from an earlier run.

SCF1441E | SCF1441W

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) REMOTE  
MBLIST IS NOT EMPTY
```

Cause

MSC is starting a new definition and found a valid MSC multi-box list.

This message is issued as a warning and not an error when SCF.MSC.OVERWRITE=YES is specified or defaulted.

Action

Determine why the MSC multi-box list is not empty. A possible cause is another definition is already running or cleanup has not been run from an earlier run.

SCF1442E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) LOCAL  
SCRATCH AREA IS NOT VALID
```

Cause

MSC has been started and the SRDF/A MSC multi-box scratch area contains either an invalid eyecatcher or is not marked complete.

Action

Determine why the SRDF/A MSC multi-box scratch area contain invalid data.

SCF1443E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) REMOTE  
SCRATCH AREA IS NOT VALID
```

Cause

MSC has been started and the SRDF/A MSC multi-box scratch area contains either an invalid eyecatcher or is not marked complete.

Action

Determine why the SRDF/A MSC multi-box scratch area contain invalid data.

SCF1444E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) LOCAL  
MBLIST IS EMPTY
```

Cause

MSC has been started in the High Availability mode, but the SRDF/A MSC multi-box list is empty.

Action

Determine why the SRDF/A MSC multi-box list is empty.

SCF1445E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp)  REMOTE
MBLIST IS EMPTY
```

Cause

MSC has been started in the High Availability mode, but the SRDF/A MSC multi-box list is empty.

Action

Determine why the SRDF/A MSC multi-box list is empty.

SCF1446E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp)  LOCAL
MBLIST DOES NOT MATCH
```

Cause

MSC has been started in the High Availability mode, but the SRDF/A MSC multi-box list does not match the MSC definition.

Action

Determine why the SRDF/A MSC multi-box list does not match.

SCF1447E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp)  REMOTE
MBLIST DOES NOT MATCH
```

Cause

MSC has been started in the High Availability mode, but the SRDF/A MSC multi-box list does not match the MSC definition.

Action

Determine why the SRDF/A MSC multi-box list does not match.

SCF1448E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp)  TOLERANCE
MODE IS ON
```

Cause

MSC has been started in the High Availability mode, but the SRDF/A MSC has detected that Tolerance mode is on. The High Availability mode does not support running MSC when Tolerance mode is on.

Action

Turn Tolerance mode off and restart MSC.

SCF1449E | SCF1449W

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp)  LOCAL
MBLIST IS NOT EMPTY
```

Cause

MSC has been started and the SRDF/A MSC multi-box list currently has an MSC definition.

This message is issued as a warning and not an error when SCF.MSC.OVERWRITE=YES is specified or defaulted.

Action

Determine why the SRDF/A MSC multi-box list is not empty. A possible cause is that another SRDF/A MSC definition may already be defined. Also, cleanup of another SRDF/A MSC definition may not have been completed.

SCF1450E | SCF1450W

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp)  REMOTE  
MBLIST IS NOT EMPTY
```

Cause

MSC has been started and the SRDF/A MSC multi-box list currently has an MSC definition.

This message is issued as a warning and not an error when SCF.MSC.OVERWRITE=YES is specified or defaulted.

Action

Determine why the SRDF/A MSC multi-box list is not empty. A possible cause is that another SRDF/A MSC definition may already be defined. Also, cleanup of another SRDF/A MSC definition may not have been completed.

SCF1451I

```
MSC - GROUP=mscgrp  EXISTING DEFINITION MATCH
```

Cause

MSC has been started for an MSC group and the MSC group is already running in MSC mode. This MSC server will join the configuration providing the high availability option.

Action

None.

SCF1452I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp)  EXISTING  
DEFINITION MATCH
```

Cause

MSC was started in the High Availability mode, and the started definition matches the definition found already running.

Action

None.

SCF1453I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp)  ALREADY  
OPEN AND CYCLE SWITCHED
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1454I

```
MSC - GROUP=mscgrp NEXT WAKE UP AT timestamp
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Note that the wake-up timestamp value is GMT (Greenwich Mean Time).

Action

None.

SCF1455E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) SRDFA IS  
NOT ACTIVE1
```

Cause

While MSC was checking for the status of SRDF/A so that MSC can cycle switch, it found that the SRDF group was not SRDF/A active.

Action

Determine why the SRDF group is not SRDF/A active.

SCF1456E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) SRDFA IS  
NOT ACTIVE2
```

Cause

While MSC was getting ready for the open and cycle switch process, MSC found that the SRDF group was not SRDF/A active.

Action

Determine why the SRDF group is not SRDF/A active.

SCF1457E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) SRDFA IS  
NOT ACTIVE3
```

Cause

The SRDF/A SRDF group pointed at by the gatekeeper CCUU for the indicated MSC group is not SRDF/A active. This message is issued when MSC detects that SRDF/A has dropped.

Action

Determine why SRDF/A dropped.

SCF1458E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) R1  
INACTIVE IS NOT EMPTY
```

Cause

The Inactive (or Transmit) cycle is not empty after the storage system indicated a cycle switch could be performed.

Action

If this message is issued, there is a logic problem between SRDF/A MSC and the storage system. Contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF1459E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) R2 ACTIVE  
IS NOT EMPTY
```

Cause

The Active (or Apply) cycle is not empty after the storage system indicated a cycle switch could be performed.

Action

If this message is issued, there is a logic problem between SRDF/A MSC and the storage system. Contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF1460E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) MSC IS NOT  
ACTIVE1
```

Cause

While MSC was checking for the status of SRDF/A so that MSC can cycle switch, MSC found that the SRDF group was not in MSC mode.

Action

Determine why the SRDF group is not in MSC mode.

SCF1461E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) MSC IS NOT  
ACTIVE2
```

Cause

While MSC was preparing to issue the close window, MSC found that the SRDF group was not in MSC mode.

Action

Determine why the SRDF group is not in MSC mode.

SCF1462E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) MSC IS NOT  
ACTIVE3
```

Cause

While MSC was getting ready for the open and cycle switch process, MSC found that the SRDF group was not in MSC mode.

Action

Determine why the SRDF group is not in MSC mode.

SCF1463E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) SRDFA IS  
NOT ACTIVE4
```

Cause

While MSC was checking status, MSC found that the SRDF group was not in MSC mode.

Action

Determine why the SRDF group is not in MSC mode.

SCF1464E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) ENQ IS  
ALREADY OWNED
```

Cause

MSC is starting but has found that it cannot get a SYSTEMS Share ENQ on resource QNAME = "EMC-MSC-" and RNAME = "MSC FOR BOX *symm-serial* RDFGRP *srdfgrp*" where *symm-serial* is the serial number of the storage system and *srdfgrp* is the SRDF group involved. The most likely cause of this message is that SRDF Host Component 5.2.1 of MSC is already running the indicated SRDF group in the indicated storage system.

Action

Determine who already owns the SYSTEMS ENQ exclusively.

SCF1465E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) ENQ IS  
ALREADY OWNED - BY FLAG
```

Cause

An internal logic error has occurred.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF1466I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) CYCLE TAG  
ALREADY SWITCHED - BACK LEVEL
```

Cause

The SRDF/A SRDF group pointed at by the gatekeeper CCUU for the indicated MSC group does not need to cycle switch since the cycle switch process has already taken place and this MSC server is one or more cycles behind the current cycle switch. This is not a problem; it is expected when running MSC with high availability.

Action

None.

SCF1467I

```
MSC - GROUP=mscgrp WAITING FOR WEIGHT FACTOR
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1468I

```
MSC - GROUP=mscgrp DONE WAITING FOR WEIGHT FACTOR
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE

settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1469I

```
MSC - GROUP=mscgrp (ccuu,[sync_srdfgrp,]async_srdfgrp) CYCLE TAG  
ALREADY SWITCHED
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1470I

```
MSC - GROUP=mscgrp (ccuu,[sync_srdfgrp,]async_srdfgrp) WINDOW IS  
NOT OPEN
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1471R

```
MSC - GROUP=mscgrp NO OTHER SERVER FOUND - CONTINUE, DISABLE, OR  
CANCEL
```

Cause

One of the following commands has been issued:

```
F emscsf, MSC, DEACT  
F emscsf, MSC, DEACTREFRESH  
F emscsf, MSC, DEACTRESTART  
F emscsf, MSC, DEACTRESTARTTOZERO
```

The MSC server cannot locate another MSC server running the MSC group. If the command continues and no other MSC server exists, the SRDF groups in the MSC group will all be running MSC, but the SRDF/A cycle switching will not take place. Eventually the cache will fill and SRDF/A will drop.

Note that the MSC server detects the existence of another server via a systems enqueue with QNAME="EMC-MSC-". If you do not share systems enqueues, then this message will occur even though you have another MSC server.

Action

Do one of the following:

- Reply CONT or CONTINUE to allow the command to complete as a DEACT type command.
- Reply CANCEL to prevent the command from completing and to allow the cycle switching to continue.
- Reply DISABLE to convert the command from a DEACT type command to a DISABLE

type command, as follows:

- DEACT -> DISABLE
- DEACTREFRESH -> REFRESH
- DEACTRESTART -> RESTART
- DEACTRESTARTTOZERO -> RESTART

A DEACT type command will stop the MSC server from processing the MSC group, but will not take the SRDF/A SRDF groups out of MSC mode. The DISABLE type command will stop the MSC server from processing the MSC group and will take the SRDF/A SRDF groups out of MSC mode.

SCF1472I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp)  
CORRESPONDING RDFGRP SRDF/A ACTIVE
```

Cause

MSC has been started for an MSC group in the SRDF/Star or SRDF/SQAR mode. The JO SRDF group of the concurrent R1 is actually running SRDF/A. This is an illegal configuration.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF1473E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) STAR ENQ IS  
ALREADY OWNED
```

Cause

SRDF/Star is starting but has found that it cannot get a SYSTEMS Share ENQ on resource QNAME = "EMC-MSC-" and RNAME = "STAR FOR BOX *symm-serial* RDFGRP *srdfgrp*" where *symm-serial* is the serial number of the storage system and *srdfgrp* is the SRDF group involved.

Action

Determine who already owns the SYSTEMS ENQ exclusively.

SCF1474E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) STAR ENQ IS  
ALREADY OWNED - BY FLAG
```

Cause

An internal logic error has occurred.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF1475I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) GETTING  
STAR SEL LOCKS
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1476I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) GOT STAR  
LOCAL SEL LOCK
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1477I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) GOT STAR  
REMOTE SEL LOCK
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1478I

```
MSC - GROUP=mscgrp OBTAINED ALL SEL LOCKS
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1479I

```
MSC - GROUP=mscgrp NOT ABLE TO OBTAIN ALL STAR SEL LOCKS
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF147AR

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) OVERWRITE
```

```
SCRATCH AREA? - ALL, YES OR NONE
```

Cause

This message is issued during MSC initialization to allow MSC to overwrite a valid scratch area. This functionality is enabled via the SCF initialization parameter SCF.MSC.OVERWRITE=YES.

Action

Reply ALL to overwrite all of the MSC scratch areas, YES to overwrite the scratch area referenced by this message, or NONE to bypass the overwrite.

SCF147BR

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) OVERWRITE  
MBLIST? - ALL, YES OR NONE
```

Cause

This message is issued during MSC initialization to allow MSC to overwrite a valid multi-box list area. This functionality is enabled via the SCF initialization parameter SCF.MSC.OVERWRITE=YES.

Action

Reply ALL to overwrite all of the MSC multi-box list areas, YES to overwrite the multi-box list area referenced by this message, or NONE to bypass the overwrite.

SCF1480I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) FREEING  
STAR SEL LOCKS
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1481I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) LOCAL STAR  
SEL LOCK FREED
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1482I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) REMOTE STAR  
SEL LOCK FREED
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1483E | SCF1483W

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) RMT STAR  
VALID SCRATCH AREA - MSC NOT ACTIVE
```

Cause

MSC is starting and found a valid MSC scratch area, but found MSC was not active. This message is issued as a warning and not an error when SCF.MSC.OVERWRITE=YES is specified or defaulted.

Action

Determine why the MSC scratch area is defined, but MSC is not active. The most likely cause is that cleanup from MSC and SRDF/Star has not been performed.

SCF1484E | SCF1484W

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) REMOTE STAR  
SCRATCH AREA IS NOT VALID
```

Cause

MSC has been started and the SRDF/A MSC multi-box scratch area contains either an invalid eyecatcher or is not marked complete. This message is issued as a warning and not an error when SCF.MSC.OVERWRITE=YES is specified or defaulted.

Action

Determine why the SRDF/A MSC multi-box scratch area contains invalid data.

SCF1485E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) REMOTE STAR  
MBLIST IS EMPTY
```

Cause

MSC has been started in the High Availability mode, but the SRDF/A MSC multi-box list is empty.

Action

Determine why the SRDF/A MSC multi-box list is empty.

SCF1486E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) REMOTE STAR  
MBLIST DOES NOT MATCH
```

Cause

MSC has been started in the High Availability mode, but the SRDF/A MSC multi-box list does not match the definition that MSC has.

Action

Determine why the SRDF/A MSC multi-box list does not match.

SCF1487E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) LOCAL STAR  
MBLIST IS NOT EMPTY
```

Cause

MSC running in SRDF/Star mode has been started and the SRDF/A MSC multi-box list currently has an MSC definition.

Action

Determine why the SRDF/A MSC multi-box list is not empty. A possible cause is that another SRDF/A MSC definition may already be defined. Also, cleanup of another SRDF/A MSC definition may not have been completed.

SCF1488E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) LOCAL STAR  
MBLIST DOES NOT MATCH
```

Cause

MSC has been started in the High Availability mode, but the SRDF/A MSC multi-box list does not match the definition that MSC has.

Action

Determine why the SRDF/A MSC multi-box list does not match.

SCF1489E | SCF1489W

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) LOCAL STAR  
MBLIST IS NOT EMPTY
```

Cause

MSC in SRDF/Star mode has been started and the SRDF/A MSC multi-box list currently has an MSC definition.

This message is issued as a warning and not an error when SCF.MSC.OVERWRITE=YES is specified or defaulted.

Action

Determine why the SRDF/A MSC multi-box list is not empty. A possible cause is that another SRDF/A MSC definition may already be defined. Also, cleanup of another SRDF/A MSC definition may not have been completed.

SCF1490E | SCF1490W

```
MSC - GROUP=mscgrp (ccuu, {sync_srdfgrp}, async_srdfgrp) REMOTE STAR  
MBLIST IS NOT EMPTY
```

Cause

MSC in SRDF/Star mode has been started and the SRDF/A MSC multi-box list currently has an MSC definition.

This message is issued as a warning and not an error when SCF.MSC.OVERWRITE=YES is specified or defaulted.

Action

Determine why the SRDF/A MSC multi-box list is not empty. A possible cause is that another SRDF/A MSC definition may already be defined. Also, cleanup of another SRDF/A MSC definition may not have been completed.

SCF1491E | SCF1491W

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) VALID STAR  
SCRATCH AREA - MSC NOT ACTIVE
```

Cause

MSC is starting and found a valid MSC scratch area, but found MSC was not active.

This message is issued as a warning and not an error when SCF.MSC.OVERWRITE=YES is

specified or defaulted.

Action

Determine why the MSC scratch area is defined, but MSC is not active. The most likely cause is that cleanup from MSC and SRDF/Star has not been performed.

SCF1492E | SCF1492W

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) LOCAL STAR  
SCRATCH AREA IS NOT VALID
```

Cause

MSC has been started and the SRDF/A MSC multi-box scratch area contains either an invalid eyecatcher or is not marked complete.

This message is issued as a warning and not an error when SCF.MSC.OVERWRITE=YES is specified or defaulted.

Action

Determine why the SRDF/A MSC multi-box scratch area contains invalid data.

SCF1493E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) CONGROUP  
NOT FOUND
```

Cause

MSC has been started in SRDF/Star or SRDF/SQAR mode and the ConGroup verification API cannot locate ConGroup on the LPAR.

Action

Start ConGroup to protect the synchronous mirror and then restart MSC.

SCF1494E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) CONGROUP  
INTERFACE RC = rc, RSN= rsn
```

Cause

MSC has been started in SRDF/Star or SRDF/SQAR mode and the ConGroup verification API is returning the indicated return code and reason code.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF1495E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) CONGROUP  
PROTECTION NOT FOUND
```

Cause

MSC has been started in SRDF/Star or SRDF/SQAR mode and the ConGroup verification API has determined that the required ConGroup protection is not provided.

Action

Start ConGroup to protect the synchronous mirror and then restart MSC.

SCF1496I

```
MSC - GROUP=mscgrp Perform {STAR|STAR-  
A|SQAR} SDDF {RESET|ACTIVATE|DEACTIVATE} for Session 1
```

Cause

This is an MSC (Star, Star-A, or SQAR) process status message enabled by VERBOSE settings.

With SDDF ACTIVATE and DEACTIVATE, the message is issued during normal processing and is not intended for customer tracking or message automation.

With SDDF RESET, the SCF1496I message is unconditionally issued to the SCF job log. The absence of the SCF1496I message with SDDF RESET indicates a problem.

Action

For ACTIVATE and DEACTIVATE, no action is required.

For RESET, ensure that the SCF1496I message is issued to determine if SDDF processing is progressing normally.

SCF1497I

```
MSC - GROUP=mscgrp Perform {STAR|STAR-A|SQAR} SDDF  
{RESET|ACTIVATE|DEACTIVATE} for Session 2
```

Cause

This is an MSC (Star, Star-A, or SQAR) process status message enabled by VERBOSE settings.

With SDDF ACTIVATE and DEACTIVATE, the message is issued during normal processing and is not intended for customer tracking or message automation.

With SDDF RESET, the SCF1497I message is unconditionally issued to the SCF job log. The absence of the SCF1496I message with SDDF RESET indicates a problem.

Action

For ACTIVATE and DEACTIVATE, no action is required.

For RESET, ensure that the SCF1497I message is issued to determine if SDDF processing is progressing normally.

SCF1498I

```
MSC - GROUP=mscgrp PERFORM SDDF FUNCTION=function FOR SDDF SRDFA
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1499I

```
MSC - GROUP=mscgrp DONE PERFORMING SDDF FUNCTION
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1500I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) PERFORM
```

SDDF FUNCTION FOR SDDF J01

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1501I

MSC - GROUP=*mscgrp* (*ccuu*, [*sync_srdfgrp*], *async_srdfgrp*) PERFORM SDDF FUNCTION FOR SDDF J02

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1502I

MSC - GROUP=*mscgrp* (*ccuu*, [*sync_srdfgrp*], *async_srdfgrp*) PERFORM SDDF FUNCTION FOR SDDF SRDFA

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1503I

MSC - GROUP=*mscgrp* (*ccuu*, [*sync_srdfgrp*], *async_srdfgrp*) ARMED TO FREEZE

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1504I

MSC - GROUP=*mscgrp* (*ccuu*, [*sync_srdfgrp*], *async_srdfgrp*) DISARM TO FREEZE

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1505I

```
MSC - GROUP=mscgrp (ccuu,[sync_srdfgrp,]async_srdfgrp) FROZEN
```

Cause

MSC is running in SRDF/Star or SRDF/SQAR mode and has found that the devices in the synchronous mode have tripped. This happens at the same time as a ConGroup trip event.

Action

None.

SCF1506I

```
MSC - GROUP=mscgrp (ccuu,[sync_srdfgrp,]async_srdfgrp) FORCE CYCLE SWITCH
```

Cause

MSC is running in SRDF/Star or SRDF/SQAR mode and has found that the devices in the synchronous mode have tripped. This happens at the same time as a ConGroup trip event. The automatic force of the cycle switch is being done.

Action

None.

SCF1507I

```
MSC - GROUP=mscgrp ARMED TO FREEZE
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1508I

```
MSC - GROUP=mscgrp DISARMED TO FREEZE
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1509I

```
MSC - GROUP=mscgrp FROZEN
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1510E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) RECOVERY  
RDFGRP INVALID
```

Cause

MSC has been started in SRDF/Star or SRDF/SQAR mode. The recovery SRDF group between Site C and Site B (for SRDF/Star) or Site D (for SRDF/SQAR) is not valid.

Action

Ensure that the SRDF group *xx* specified in the `MSC_INCLUDE_SESSION=ccuu,(nn[,xx])` initialization parameter of SRDF ost Component is an empty SRDF group going from Site C to Site B (for SRDF/Star) or to Site D (for SRDF/SQAR).

SCF1511I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) REGISTER  
SDDF SESSION 1
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1512I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) REGISTER  
SDDF SESSION 2
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1513I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) RESET SDDF  
SESSION 1
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1514I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) RESET SDDF  
SESSION 2
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE

settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1515I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) ACTIVATE  
SDDF SESSION 1
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1516I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) ACTIVATE  
SDDF SESSION 2
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1517I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) DEACTIVATE  
SDDF SESSION 1
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1518I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) DEACTIVATE  
SDDF SESSION 2
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1519I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) CLOSE SDDF  
SESSION 1
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1520I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) CLOSE SDDF  
SESSION 2
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1521I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) PERFORM  
PEND_DROP
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1522I

```
MSC - GROUP=mscgrp MSC IS NOT ACTIVE - SHUTDOWN
```

Cause

An MSC server has disabled MSC, causing the SRDF groups in the MSC group to no longer be running in MSC mode. The MSC server issuing this message will automatically quiesce itself.

Action

None.

SCF1523I

```
MSC - GROUP=mscgrp GLOBAL CONSISTENCY HAS BEEN ACHIEVED
```

Cause

The MSC group has reached consistency across the entire configuration.

Action

None.

SCF1524I

MSC - GROUP=*mscgrp* GLOBAL CONSISTENCY HAS BEEN LOST

Cause

The MSC group had reached consistency across the entire configuration in the past, but due to circumstances in the environment, consistency has been lost. A common cause of lost consistency is a FlashCopy operation or the target of a local replication operation (full volume or dataset) has an SRDF/A R1 as a target device. Consistency should be regained after MSC cycle switching has caught up the accumulated tracks.

Action

None.

SCF1525I

MSC - GROUP=*mscgrp* STAR RECOVERY IS NOW AVAILABLE

Cause

The MSC group has reached consistency across the entire configuration and the SRDF/Star SDDF sessions are ready to track changes at Sites B and C.

Action

None.

SCF1526I

MSC - GROUP=*mscgrp* STAR RECOVERY IS NO LONGER AVAILABLE

Cause

At some time in the past, the MSC group reached consistency across the entire configuration and the SRDF/Star SDDF sessions were ready to track changes at Sites B and C. Now either consistency has been lost or the SRDF/Star SDDF sessions are no longer tracking changes (or both).

Action

None.

SCF1527I

MSC - GROUP=*mscgrp* STAR SITE C IS MOVING AHEAD OF SITE B

Cause

The MSC group has found the SRDF group is no longer ready on the link and the data at Site C will be moving ahead of the data at Site B.

Action

None.

SCF1528W

MSC - GROUP=*mscgrp* (*ccuu*, [*sync_srdfgrp*], *async_srdfgrp*) Active R2 Restore, Host Cleanup delayed

Cause

MSC Host Cleanup cannot proceed while an SRDF/A R2 Restore operation is active. If the R2 Restore does not complete after three attempts, message SCF1529R is issued.

Action

None.

SCF1529R

```
MSC - Group=mscgrp R2 Restore Retry limit exceeded, reply RETRY,
CONTInue or CANcel
```

Cause

Host Cleanup cannot proceed during an active R2 Restore operation. If the R2 Restore is not complete after three additional checks, Host Cleanup will wait for user intervention. Note that the condition that caused the R2 Restore delay needs to be resolved. The EHCMSME Cleanup Utility (or EHCMSM6 for SRDF/Star or SRDF/SQAR) may need to be run before re-activating SRDF/A.

Action

Reply RETRY to re-initiate Host Cleanup (allowing up to three additional checks). This is the recommended response. Reply CONTInue to allow Host Cleanup to proceed without any additional R2 Restore checks (depending upon timing, the actual cleanup may be successful later on). Reply CANcel to terminate Host Cleanup.

SCF1530I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) RESET
TIMEOUT FOR DEVICE (syndv#)
```

Cause

The SRDF/Star SDDF session reset for the indicated PowerMax or VMAX device failed to complete in a timely fashion.

Action

If this happens once and does not occur again, no action is required. If this happens repeatedly, there is a problem with a DA performing the SDDF function. Contact the Dell EMC Customer Support Center.

SCF1531I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) REDUCING
SIMULTANEOUS RESET TO (nn)
```

Cause

At least one device had an error during the previous SDDF reset cycle. MSC will reduce the number of simultaneous resets.

Action

None.

SCF1532E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp)
ERROR=rc FOR DEVICE syndv#
```

Cause

While the MSC group was running in SRDF/Star mode for the SRDF group pointed at by gatekeeper *ccuu*, an error *rc* occurred while trying to perform a SDDF reset function for the indicated PowerMax or VMAX device in the remote system. Some of the possible values for *rc* are the following:

- x'17' indicates an invalid record length.
- x'18' indicates an invalid tag for the device.
- x'19' indicates an activate or deactivate failed.
- x'1A' indicates another operation is in progress for the device. This usually means the system is busy.
- x'1B' indicates the process failed to start a background task. This usually means the

system is busy.

- x'1C' indicates the process will never run. It is being routed incorrectly.
- x'1D' indicates a system time overrun.
- x'1E' indicates an invalid SDDF index.
- x'1F' indicates a resource failure.

Action

Typically this message can be ignored unless the RC=x'1C' or x'1E' or if the same device repeatedly gets this message.

- If you receive RC=x'1C', then MSC is sending the request to a director that cannot run the request and you should contact the Dell EMC Customer Support Center.
- If you receive RC=x'1E', then this may be the result of a priorabend. Contact the Dell EMC Customer Support Center.
- If you repeatedly get this message for the same devices, then there may be a hardware issue and you should contact the Dell EMC Customer Support Center.

SCF1533E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) SYMD  
=(symdv#) NOT IN CGRP = cgrp
```

Cause

SRDF/Star is being requested but the indicated PowerMax or VMAX device does not have ConGroup protection.

Action

Place the PowerMax or VMAX device under ConGroup protection.

SCF1534E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) GLOBAL SDDF  
RESET FAILURE
```

Cause

This message is usually issued when communication from the local site to the remote site is lost.

Action

Depending on the particulars, usually no action is required. If this message is issued when the links from the local to the remote site did not have a disruption, then review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF1535I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) DELETING  
OLD SDDF SESSIONS
```

Cause

A new SRDF/Star definition is initializing and an existing SRDF/Star SDDF session has been found on at least one R2 device. The code will automatically close all existing SRDF/Star SDDF sessions.

Action

None.

SCF1536I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) DONE  
DELETING OLD SDDF SESSIONS
```

Cause

A new SRDF/Star definition is initializing and an existing SRDF/Star SDDF session has been found on at least one R2 device. All existing SRDF/Star SDDF sessions have been closed.

Action

None.

SCF1537I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) DELETING  
DEVICE (dev#)
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1538E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) Swap  
detected in SDDF task
```

Cause

A UCB swap of the MSC gatekeeper caused an SDDF function to fail. A termination of the MSC task will be initiated. The action taken by MSC is to recognize the swap and avoid an abend in the SDDF subtask.

Action

-

SCF1539W

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) Query  
timeout in SDDF task
```

Cause

The internal SDDF query after a set of reset requests did not detect a status change.

Action

If this error persists, contact the Dell EMC Customer Support Center.

SCF153AI

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) Wait for  
SDDF task completion
```

Cause

Host Cleanup is waiting for the SDDF task to complete.

Action

None.

SCF153BW

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) SDDF Task completion wait timeout
```

Cause

The SDDF resets did not complete within 3 minutes.

Action

Contact the Dell EMC Customer Support Center.

SCF153CW

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) Invalid {B1|B2|C1} SDDF Tag tttt
```

Cause

During restart or takeover processing for Star or SQAR, an invalid SDDF tag was found. The SDDF tag ID (*tttt*) is typically 0000 for this error.

Action

The SDDF sessions are managed only by the primary MSC server. The likely cause during takeover is that the primary server did not achieve "Recovery available" or was never started. In this case, takeover is not possible until the primary server is started and achieves "Recovery available".

If this error occurred during a restart, there could be a problem with the MSC scratch area. A cleanup of the storage system information (M6) might be required, followed by a restart of the primary server. Contact Dell EMC Technical Support for assistance.

SCF153DI

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) SDDF Reset for Session n status
```

Cause

If *status*="is active", a Star Dynamic Device Delete is being processed during an active SDDF Reset operation, where *n* is 1 or 2 (this pertains to the main SDDF sessions). Dynamic Device Delete will wait for SDDF Reset processing to complete before closing the SDDF sessions for the removed devices. The status will be checked every 30 seconds for up to 15 minutes. If the reset does not complete within this timeframe, a WTOR will be issued. See message SCF153ER for more information.

Action

None.

SCF153ER

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) SDDF Reset is still active, reply RETRY or CANcel
```

Cause

A timeout occurred waiting for SDDF reset processing to complete on behalf of a Star Dynamic Device Delete. See message SCF153DI for more information.

Action

Reply RETRY to commence another status check or CANcel to terminate Dynamic Device Delete (the devices will not be removed from Star SDDF management). A DELDEV command can be issued later to redrive the Dynamic Delete request.

SCF153FE

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp,] async_srdfgrp) SDDF  
{B1|B2|C1} Session not found for device syndv#
```

Cause

During restart or takeover, the SDDF session does not exist for the indicated device.

Action

Run the M6 Cleanup utility and restart SRDF/Star or SRDF/SQAR. For SRDF/SQAR, M6 must be run separately for each group.

SCF1540E

```
MSC - GROUP=mscgrp SDDF ACTIVATION AT SITE C FAILED
```

Cause

A failure to be able to activate the SRDF/Star SDDF session at Site C is preventing the MSC from cycle switching.

Action

None. This message should never be issued. The message was added so that an error would be indicated if the SRDF/Star SDDF sessions could not be activated.

SCF1541E

```
MSC - GROUP=mscgrp CANNOT ADD CONGROUP ECBS
```

Cause

An internal error is preventing the MSC task from being able to add the ConGroup listener ECBs.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF1542E

```
MSC - GROUP=mscgrp CANNOT LOCATE CONGROUP SUBSYSTEM
```

Cause

The MSC task was started in SRDF/Star or SRDF/SQAR mode but the ConGroup subsystem is not running on the LPAR.

Action

Start the ConGroup task that will protect the synchronous mirror of the devices in your SRDF/Star or SRDF/SQAR configuration.

SCF1543E

```
MSC - GROUP=mscgrp CONGROUP PC NOT AVAILABLE
```

Cause

The ConGroup task has not defined or has removed the ConGroup API PC.

Action

Restart your ConGroup task. If the problem repeats, ensure that the ConGroup maintenance is up to date.

SCF1544E

MSC - GROUP=*mscgrp* [STAR|SQAR] MUST BE DISABLED BEFORE CONGROUP CAN BE STOPPED OR REFRESHED

Cause

A STOP or REFRESH command to the ConGroup task has been issued. MSC is running in SRDF/Star or SRDF/SQAR mode and will prevent the STOP until the SRDF/Star or SRDF/SQAR definition is disabled.

Action

Disable the SRDF/Star or SRDF/SQAR definition before stopping or refreshing the ConGroup task.

SCF1545E

MSC - GROUP=*mscgrp* [STAR|SQAR] MUST BE DISABLED BEFORE CONGROUP GROUP = *cnggrp* CAN BE DISABLED;

Cause

A request was made to disable the indicated consistency group. MSC is running in SRDF/Star or SRDF/SQAR mode and will prevent the disable until the SRDF/Star or SRDF/SQAR definition is disabled.

Action

Disable the SRDF/Star or SRDF/SQAR definition before disabling the consistency group.

SCF1546E

MSC - GROUP=*mscgrp* CGROUP = *cnggrp* IS NOT ENABLED

Cause

SRDF/Star or SRDF/SQAR has been started, but the indicated consistency group is not active and enabled.

Action

Activate and enable the consistency group, and then restart SRDF/Star or SRDF/SQAR.

SCF1547E

MSC - GROUP=*mscgrp* CGROUP = *cnggrp* IS NOT ENABLED

Cause

SRDF/Star or SRDF/SQAR has been started, but the indicated consistency group is enabled but not active.

Action

Activate and enable the consistency group, and then restart SRDF/Star or SRDF/SQAR.

SCF1548E

MSC - GROUP=*mscgrp* CGROUP = *cnggrp* IS SUSPENDED

Cause

SRDF/Star or SRDF/SQAR has been started, but the indicated consistency group is enabled but suspended.

Action

Activate and enable the consistency group, and then restart SRDF/Star or SRDF/SQAR.

SCF1549I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) UCB SWAP  
DETECTED - MSC QUIESCE
```

Cause

MSC has detected that the storage system that it was communicating with previously is not the same as the storage system it is communicating with now. This is most likely caused by a UCB swap.

Action

Review the SCF MSC messages that follow to determine status of the related SRDF/A MSC group. If this message is not the result of an SRDF/Star or SRDF/SQAR planned site switch, investigate SYSLOG for the cause of UCB swap.

See SRDF/A (MSC) recovery scenarios in the *SRDF Host Component for z/OS Product Guide* for the actions necessary to restart this SRDF/A MSC group.

SCF154BE

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) SDDF Query  
error, rcx xxxxxxxx, retry limit exceeded
```

Cause

An SDDF query failed as well as all subsequent attempts to retry. This error pertains to the poll after an SDDF reset for Star configurations.

Action

If SDDF processing is stalled as a result of this error, a restart of the MSC Star group might alleviate this problem.

Collect all applicable documentation, including the SCF trace file, and report this error to Dell EMC Technical Support.

SCF154BW

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) SDDF Query  
error, rcx xxxxxxxx, retry successful
```

Cause

An SDDF query failed, but the subsequent retry was successful. This is a warning message, issued to the SCF log file. Star SDDF processing should not be affected.

Action

If there are any problems with Star SDDF processing, collect all applicable documentation, including the SCF trace file, and contact Dell EMC Technical Support.

SCF154CE

```
MSC - GROUP=mscgrp (ccuu, [srdfgrp]) SDDF RESET processing failed  
in Symm symm-serial
```

Cause

An unrecoverable SDDF reset error occurred in the indicated storage system. For concurrent Star configurations, the SDDF sessions are managed in the "B" system, and the synchronous SRDF group will be displayed after the gatekeeper. For cascaded configurations, the SDDF sessions are managed in the "A" system, and no SRDF group will be displayed.

Action

Collect all applicable documentation, including the SCF trace file and contact Dell EMC

Technical Support.

SCF1550I

```
MSC - GROUP=mscgrp SDDF TAKEOVER - PRE STAR MODE
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1551I

```
MSC - GROUP=mscgrp SDDF TAKEOVER - SDDF B1 ACTIVE AND SDDF B2  
ACTIVE
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1552I

```
MSC - GROUP=mscgrp SDDF TAKEOVER - SDDF B1 ACTIVE AND SDDF B2  
DEACTIVE
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1553I

```
MSC - GROUP=mscgrp SDDF TAKEOVER - SDDF B1 DEACTIVE AND SDDF B2  
ACTIVE
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1554I

```
MSC - GROUP=mscgrp SDDF TAKEOVER - SITEC IS AHEAD
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer

tracking or message automation.

Action

None.

SCF1555I

```
MSC - GROUP=mscgrp SDDF TAKEOVER - SDDF B1 LAST ACTION  
RESET/COMPLETED
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1556I

```
MSC - GROUP=mscgrp SDDF TAKEOVER - SDDF B2 LAST ACTION  
RESET/COMPLETED
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1557I

```
MSC - GROUP=mscgrp WAITING FOR INITIALIZATION/TERMINATION ENQUE
```

Cause

The MSC server running the indicated MSC group is attempting to get the initialization or termination enqueue that is already held. This message is issued if multiple MSC servers are attempting to start or terminate at the same time. The ENQ (QNAME=EMCMSC-) and the RNAME=(MSC INIT-TERM FOR BOX *symm*-serial RDFGRP *srd*grp).

Action

Typically there should be no action. If this message prevents MSC, SRDF/Star, or SRDF/SQAR from starting, then examine the ENQs to see who is holding the ENQ.

SCF1558I

```
MSC - GROUP=mscgrp CGROUP=cngrp CONGROUP DISABLED
```

Cause

A ConGroup resume is in process for the indicated MSC group and consistency group. The consistency group is now disabled.

Action

This message should be followed by SCF1559I. If the SCF1559I message is not received, you should examine your consistency group and determine why it never enabled.

SCF1559I

```
MSC - GROUP=mscgrp CGROUP=cngrp CONGROUP ENABLED
```

Cause

A ConGroup resume is in process for the indicated MSC group and consistency group. The consistency group is now enabled.

Action

None.

SCF1560I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) GOT THE FOLLOWING ERROR
```

Cause

This message identifies the SRDF group that encountered an API error. This message is issued together with message SCF1325E or SCF1561E that provide error details.

Action

None.

SCF1561E

```
MSC - CYCLE SWITCH ERROR (error-text) RC=rc
```

Cause

SRDF/A MSC has stopped cycle switching and most likely has dropped for the MSC group. This message explains why it stopped.

The logic that performs the MSC cycle switch had an error.

error-text is one of four values:

- First query failed - Never did the open and switch because an error occurred before it could start.
- Open/switch failed - A failure occurred while issuing the open and switch.
- Second query failed - The open and switch was completed successfully but an error occurred before it could close.
- Close failed - A failure occurred while issuing the close.

rc is an internal return code.

Action

Recover the SRDF/A environment.

SCF1562I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) SER=symm-serial CYCLE SWITCH DELAY - TRANSMIT
```

Cause

When attempting to perform the cycle switch, the primary side system with the indicated serial number and the indicated asynchronous SRDF group is not ready to cycle switch because the transmit cycle is not empty. The message will be issued once every 5 seconds until the cycle switch is performed.

Action

None required. You may want to examine the SRDF link to determine why the transmit has not completed in the time expected.

SCF1563I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) SER=symm-serial CYCLE SWITCH DELAY - RESTORE
```

Cause

When trying to complete the cycle switch, the secondary side system with the indicated serial number and the indicated asynchronous SRDF group is not ready to cycle switch because the restore cycle is not empty. The message will be issued once every 5 seconds until the cycle switch is performed.

Action

None is required. However, you may want to examine the secondary side disk directors to determine why the restore is not completed in the time expected.

SCF1564I

```
MSC - GROUP=msscgrp TIME OF DAY FOR
CYCLE cccccccc IS hh:mm:ss.th (count CE)
```

Cause

The MSC server for the indicated MSC group has cycle switched for the indicated cycle at the indicated time. Note that more than one MSC server may issue this message with slightly different times. The message with the lowest time for the cycle is more accurate. When Consistency Exempt (CE) is detected, this message will display the total count of devices in CE mode (for all MSC groups).

Action

None.

SCF1565W

```
MSC - GROUP=msscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) SDDF QUERY
TO DA - MISSING PATCH
```

Cause

One of the MSC initialization statements SCF.MSC.SDDFQ.TODA=YES, SCF.MSC.SDDFQ.TOMF=YES, or SCF.MSC.SDDFQ.TOOS=YES has been specified but the required operating environment patch (30489) to use these parameters is not found on the system indicated by the CCUU and the SRDF group number.

Action

Add the required patch or remove the parameter.

SCF1566W

```
MSC - GROUP=msscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) SDDF QUERY
TO MF HA - MISSING DIR
```

Cause

The initialization parameter SCF.MSC.SDDFQ.TOMF=YES is set, indicating that syscall 017F/0A is to run to the mainframe host adapters, but none are found in the system.

Action

Change the initialization parameter to something other than SCF.MSC.SDDFQ.TOMF=YES or add mainframe host adapters.

SCF1567W

```
MSC - GROUP=msscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) SDDF QUERY
TO MF OS - MISSING DIR
```

Cause

The initialization parameter SCF.MSC.SDDFQ.TOOS=YES indicates that syscall 017F/0A is to be run to the open system host adapters, but none are found in the system.

Action

Change the initialization parameter to something other than SCF.MSC.SDDFQ.TOOS=YES or add open stem host adapters.

SCF1568I

```
MSC - GROUP=mscgrp WEIGHT FACTOR = n
```

Cause

This message displays the value of the SRDF Host Component MSC_WEIGHT_FACTOR initialization parameter whenever MSC is started.

Action

None.

SCF1569I

```
MSC - GROUP=mscgrp STEAL LOCK AFTER = nnn MIN(S)
```

Cause

This message displays the value of the SCF initialization parameter SCF.MSC.MAX.LOCK.WAIT when MSC is started.

Action

None.

SCF156AI

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp,] async_srdfgrp) SER=symm-  
serial, Cycle Switch delay - Suspend
```

Cause

As the result of a consistency operation from another application, an SRDF/A group was found to be in a suspended state. To facilitate the consistency operation, cycle switching will be suspended until all of the MSC managed SRDF/A groups are resumed.

Action

None.

SCF156BI

```
MSC - GROUP=MSCGROUP (ccuu, srdfgrp) SER=symmserial, SRDF/A -  
Suspended
```

Cause

As the result of a consistency operation from another application, an SRDF/A group was found to be in a suspended state. To facilitate the consistency operation, commit processing is suspended until all of the MSC-managed SRDF/A groups are resumed.

Action

None.

SCF1570I

```
MSC - GROUP=mscgrp GOT ADDRESS FOR ASY = value FOR = value
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1571I

```
MSC - GROUP=mscgrp CYCLE SWITCH BACK LEVEL
```

Cause

An MSC server has determined that another MSC server has already cycle switched. This is a normal message for a secondary MSC server.

Action

None.

SCF1572I

```
MSC -  
GROUP=mscgrp { DEACT | DEACTREFRESH | DEACTRESTART | DEACTRESTARTTOZERO }  
CONTINUES
```

Cause

A reply of CONTINUE was done for the indicated action in message SCF1471R. The action is processed as requested.

Action

None.

SCF1573I

```
MSC -  
GROUP=mscgrp { DEACT | DEACTREFRESH | DEACTRESTART | DEACTRESTARTTOZERO }  
CANCELED
```

Cause

A reply of CANCEL was done for the indicated action in message SCF1471R. The action is aborted and cycle switching continues.

Action

None.

SCF1574I

```
MSC -  
GROUP=mscgrp { DEACT | DEACTREFRESH | DEACTRESTART | DEACTRESTARTTOZERO }  
CONVERTED TO { DISABLE | REFRESH | RESTART }
```

Cause

A reply of DISABLE was chosen in message SCF1471R. The indicated action is converted as follows and processing continues:

- DEACT -> DISABLE
- DEACTREFRESH -> REFRESH
- DEACTRESTART -> RESTART
- DEACTRESTARTTOZERO -> RESTART

Action

None.

SCF1575I

```
MSC - GROUP=mscgrp Auto Recovery initiated
```

Cause

SRDF Automated Recovery has been initiated for the MSC group.

Action

None.

SCF1576I

```
MSC - GROUP=mscgrp Auto Recovery completed
```

Cause

Automated Recovery has completed for the MSC group.

Action

None.

SCF1577I

```
MSC -  
GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) jobname(Starting)  
, Auto Recovery initiated
```

Cause

SRDF Automated Recovery has been initiated for the SRDF/A group for the indicated jobname. This message was issued from MSC Automated Recovery when it starts the Automated Recovery started tasks.

Action

None.

SCF1578E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) MSC MODE  
CANNOT RUN {STAR|SQAR} MODE
```

Cause

An MSC server is starting in MSC mode, but the indicated MSC group is active in SRDF/Star or SRDF/SQAR mode.

Action

Change the SRDF initialization parameters so that the mode of the primary server matches the mode of the secondary server.

SCF1579I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) EMCMSMR  
entered
```

Cause

This is an MSC (Star or SQAR) process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1580I

```
MSC -
```

```
GROUP=msscgrp (ccuu, [sync_srdfgrp,] async_srdfgrp) jobname(Snnnnnnn),  
Auto Recovery completed, RC rc
```

Cause

SRDF Automated Recovery completed for the SRDF/A group identified by the indicated CCUU and SRDF group and the indicated job name with the indicated return code. This message was issued from the Auto Recovery started task referenced by *jobname*(*Snnnnnnn*) where *Snnnnnnn* is its JES started task number.

Action

None if the return code is 0. Otherwise, check the output from the EMCRCVRY job to determine the cause of the error.

SCF1581I

```
MSC - SRDFA DROPPED V=ccuu,  
R1=[sync_srdfgrp,] async_srdfgrp R2=r2 CPF=cc MSC=(msscgrp)  
SCFG=(gns_bcv_group)
```

Cause

SRDF/A has dropped for the indicated group. Note that if remote cycle switching is active, this message is issued with the additional asynchronous SRDF group field when running with a cascaded SRDF configuration.

Action

None.

SCF1582E

```
CG STOP MASTER LISTENER - UNREGISTERED
```

Cause

MSC is running in SRDF/Star or SRDF/SQAR mode and has a CG listener that has just unregistered by the ConGroup address space. This has the potential to create a data loss because SRDF/Star or SRDF/SQAR will not be notified of events that it needs to take action on.

Action

Examine the ConGroup address space to determine the problem. Correct the issue and enter the MSC,RESTART command to your SRDF/Star or SRDF/SQAR environment.

SCF1583E

```
CG STOP LISTENER - UNREGISTERED FOR GROUP=cnggrp
```

Cause

MSC is running in SRDF/Star or SRDF/SQAR mode and has a CG listener that has just unregistered by the ConGroup address space. This has the potential to create a data loss because SRDF/Star or SRDF/SQAR will not be notified of events for which it needs to take action.

Action

Examine the ConGroup address space to determine the problem. Correct the issue and enter the MSC,RESTART command to restart the SRDF/Star or SRDF/SQAR environment.

SCF1584E

```
MSC - GROUP=msscgrp MISMATCH CYCLE TAGS
```

Cause

This message indicates that the MSC cycles between SRDF groups are not equal. This indicates that a consistency issue with the SRDF/A SRDF groups has occurred.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF1585E

```
MSC - command COMMAND ISSUED BUT NO MSC_GROUP DEFINITION FOUND
```

Cause

The indicated command was issued for an MSC group, but no such group is running in the address space.

Action

Verify that the MSC group is running before issuing the command.

SCF1586I

```
MSC - GROUP=msscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) SER=symm-serial IN SRDFA TRANSMIT IDLE
```

Cause

Transmit Idle is engaged, which indicates that MSC cannot cycle switch because the links are down for this SRDF group. MSC can stay in this state until all resources are consumed and then SRDF/A will drop. The recovery point is being elongated while you are in this state.

Action

Determine the cause for the link being down and restore the links so that SRDF/A can continue to cycle switch.

SCF1587R

```
MSC - GROUP=msscgrp WAIT FOR SRDFA TRANSMIT IDLE - RETRY OR CANCEL
```

Cause

The indicated MSC group is starting, but one or more SRDF groups in the MSC group (identified in SCF1586I messages) are in the Transmit Idle state. MSC cannot start in this state because it needs to do I/O across the link.

Action

Restore the links so that MSC can perform I/O across the link. Then, reply "RETRY" to re-attempt the start of MSC after the Transmit Idle status has been resolved or reply "CANCEL" to terminate MSC.

SCF1588I

```
MSC - GROUP=msscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) SER=symm-serial NO LONGER IN SRDFA TRANSMIT IDLE
```

Cause

The Transmit Idle state has cleared for the indicated SRDF group in the indicated storage system.

Action

None.

SCF1589E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp,] async_srdfgrp) CONGROUP  
TRIP WHILE IN SRDFA TRANSMIT IDLE
```

Cause

While the SRDF group for the system with the indicated CCUU was in the Transmit Idle state, a ConGroup trip occurred. This causes SRDF/Star or SRDF/SQAR to drop all SRDF groups in the MSC group. While SRDF/Star or SRDF/SQAR is running, consistency cannot be guaranteed if another error condition occurs.

Action

Recover the links and clean up the MSC environment. Then restart SRDF/A and restart MSC.

SCF1590I

```
MSC - GROUP=mscgrp VERIFY ALL RDFGRPS ARE ACTIVE
```

Cause

If there are any SRDF groups that cannot cycle switch after the target cycle time and MSC VERBOSE is on, this message is issued approximately every 30 seconds. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF1591W

```
MSC - GROUP=mscgrp CYCLE TIME WARNING DELAY count
```

Cause

The time since the last cycle switch has exceeded 60 minutes (or the value specified in the SCF initialization parameter SCF.MSC.CYCLE.TIME.WARN). *count* will start with 1 and increase by 1 with each issuance of the message. This message will be issued up to 24 times.

Action

This message indicates that the recovery point objective is aging. If the condition preventing SRDF/A from being able to cycle switch continues, the data will continue getting older at the recovery site. Take action to allow SRDF/A to cycle switch or at some point you may issue a DROP command to any SRDF group in the MSC group and MSC will drop the remaining SRDF groups.

SCF1592I

```
MSC - GROUP=mscgrp CYCLE TIME WARN AFTER = nn MIN(S)
```

Cause

The SCF initialization parameter SCF.MSC.CYCLE.TIME.WARN was specified with a valid value of *nn* minutes.

Action

None.

SCF1593E

```
MSC - GROUP=mscgrp CONGROUP TRIP BEFORE {STAR|SQAR} RECOVERY
```

Cause

A ConGroup trip occurred before SRDF/Star or SRDF/SQAR recovery became available.

Action

ConGroup must be resumed in order for Star or SQAR recovery to become available. Issue a RESUME command for the associated consistency group.

SCF1594I

```
MSC - GROUP=msscgrp Auto Recovery bypassed due to PENDDROP
```

Cause

Automated Recovery is bypassed for a PENDDROP command.

Action

To initiate SRDF Automated Recovery, issue the #SC RECOVER,MSC command described in the *SRDF Host Component for z/OS Product Guide*.

SCF1595I

```
MSC - Group=msscgrp AUTO RECOVERY PHASE 2 INITIATED
```

Cause

Phase 2 of Automated Recovery has been initiated.

Action

None.

SCF1596I

```
MSC -  
GROUP=msscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) jobname(Starting)  
, AUTO RECOVERY PHASE 2 INITIATED
```

Cause

SRDF Automated Recovery has been initiated for the indicated SRDF/A group. This message was issued from MSC Automated Recovery when it starts the Automated Recovery started tasks.

Action

None.

SCF1597W

```
MSC - GROUP=msscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) REG CALL  
FAILED rc/rs/rsnc
```

Cause

Host Application Registration failed for Automated Recovery.

Action

Contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF1598I

```
MSC - GROUP=msscgrp (ccuu, [sync_srdfgrp], async_srdfgrp)  
jobname(Snnnnnnn), AUTO RECOVERY PHASE 2 COMPLETED, RC rc
```

Cause

Phase 2 of Automated Recovery completed for the indicated SRDF/A group with the indicated return code. This message was issued from the Automated Recovery started task referenced by *jobname*(*Snnnnnnn*) where *Snnnnnnn* is its JES started task number.

Action

None if the return code is 0; otherwise, check the output from the EMCRCVRY job to determine the cause of the error.

SCF1599I

```
MSC - GROUP=mscgrp Auto Recovery bypassed, Secondary Server
```

Cause

SRDF Automated Recovery is not supported on a secondary MSC server.

Action

Issue an MSC,RESTART command on the secondary server after Automated Recovery has completed on the primary server.

SCF159AI

```
MSC - GROUP=mscgrp PENDDROP bypassed, MSC is not Globally Consistent
```

Cause

A PENDDROP command was issued when MSC was not globally consistent. That is, the R2 data was not consistent. The PENDDROP processing was bypassed.

Action

Re-issue the PENDDROP command once MSC achieves global consistency.

SCF15A0I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp,] async_srdfgrp) SCRATCH AREA BELOW {LCL|RMT} (symmserial/srdfa-grp)
```

Cause

This message is issued during MSC initialization when a valid scratch area is found for the SRDF/A group on the indicated storage system.

Action

None.

SCF15A1I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp,] async_srdfgrp) *****  
***** ***** *****
```

Cause

This message is issued in conjunction with message SCF15A2I as a delimiter for the dump of the MSC scratch area.

Action

None.

SCF15A2I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp,] async_srdfgrp) xxxxxxxx  
xxxxxxxx xxxxxxxx xxxxxxxx
```

Cause

This message is issued to dump the MSC scratch area identified by message SCF15A0I.

Action

None.

SCF15A3I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) MBLIST  
BELOW {LCL|RMT} (symmserial/srdfa-grp)
```

Cause

This message is issued during MSC initialization when a valid multi-box list is found for the SRDF/A group on the indicated storage system.

Action

None.

SCF15A4I

Cause

This message is issued in conjunction with message SCF15A5I as a delimiter for the dump of the MSC multi-box list.

Action

None.

SCF15A5I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) lcl-  
symmserial/srdfgrp > rmt-symmserial/srdfgrp
```

Cause

This message is issued to dump the MSC multi-box list identified by message SCF15A3I.

Action

None.

SCF15A6I

```
MSC - GROUP=mscgrp PROMPT requested for Auto Recovery
```

Cause

This message is issued in conjunction with message SCF15A7R before initiating SRDF Automated Recovery when the PROMPT option is specified on the SRDF Host Component SRDFA_AUTO_RECOVER initialization parameter.

Action

None.

SCF15A7R

```
MSC - GROUP=mscgrp Auto Recovery - reply CONTInue OR CANcel
```

Cause

This message is issued before initiating SRDF Automated Recovery when the PROMPT option is specified on the SRDF Host Component SRDFA_AUTO_RECOVER initialization parameter.

Action

Reply CONTInue to initiate Automated Recovery or CANcel to bypass.

SCF15A8I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) Auto  
Recovery bypassed
```

Cause

This message is issued as a result of a "CANcel" response to the SCF15A7R message.

Action

if necessary, SRDF Automated Recovery can be initiated at a later time using the #SC RECOVER, MSC command.

SCF15A9E

```
MSC - GROUP=mscgrp INVALID REPLY
```

Cause

An invalid reply was entered in response to the SCF15A7R message.

Action

Issue a correct response to the SCF15A7R message.

SCF15AAI

```
MSC - GROUP=mscgrp {DISABLE|DEACT|PENDDROP} complete
```

Cause

Processing for the indicated MSC action has completed.

Action

None.

SCF15ABI

```
MSC - GROUP=mscgrp TAKEOVER processing initiated
```

Cause

Indicates the initiation of takeover processing for the SRDF/Star or SRDF/SQAR MSC group.

Action

None.

SCF15ACE

```
MSC - GROUP=mscgrp TAKEOVER processing failed
```

Cause

Takeover processing failed.

Action

Review the log for the errors associated with takeover processing. Correct the errors and reissue the TAKEOVER command.

SCF15B0E

```
MSC - GROUP=mscgrp Auto Recovery terminated due to error
```

Cause

SRDF Automated Recovery has failed due to an error from one or more of the recovery procedures. The MSC, RESTART command will not be issued.

Action

Check the output from the EMCRCVRY job to determine the cause of the error.

SCF15B1W

MSC - GROUP=*mscgrp* RECOVER rejected, all SRDF/A groups are active

Cause

This message is issued in response to an #SC RECOVER, MSC command when all SRDF/A groups in the MSC process are active.

Action

None.

SCF15B2E

MSC - GROUP=*mscgrp* command rejected, Auto Recovery is active

Cause

The command is rejected because SRDF Automated Recovery is active.

Action

Wait for Automated Recovery to complete and re-issue the command.

SCF15B3I

MSC - GROUP=*mscgrp* Host Cleanup bypassed due to Link failure

Cause

MSC bypassed an internal cleanup function because a link failed.

Action

None.

SCF15B4W

MSC - GROUP=*mscgrp* (*ccuu*) Microcode Patch *nnnnn* is not applied

Cause

The indicated operating environment patch is not applied.

Patch 38480 will alleviate potential MSC cycle switching errors in a cascaded SRDF environment, which could occur when the synchronous MSC SRDF group is the same as the group configured between the R1 and R21 devices.

Action

Apply operating environment patch 38480 to every local (R1) storage system in a cascaded SRDF MSC configuration. Alternatively, specify a dedicated synchronous MSC SRDF group, either via the MSC_INCLUDE_SESSION parameter or in the GNS definition for the cascaded MSC group.

SCF15B5I

MSC - GROUP=*mscgrp* Auto Recovery bypassed, {STAR|SQAR|STAR-A} mode

Cause

SRDF Automated Recovery is not supported for SRDF/Star, SRDF/Star-A, and SRDF/SQAR environments.

Action

Recovery must be performed manually.

SCF15B6E

MSC - GROUP=*mscgrp* (*ccuu*, [*sync_srdfgrp*], *async_srdfgrp*) No corresponding SRDF/A R2 for device *dev#*

Cause

One or more synchronous devices were discovered in an SRDF/Star environment without a corresponding asynchronous link.

Action

Review the SRDF/Star configuration to ensure this is an acceptable situation.

SCF15B6I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) No
corresponding SRDF/A R2 for device dev#
```

Cause

One or more synchronous devices were discovered in an SRDF/Star environment without a corresponding asynchronous link.

Action

Review the SRDF/Star configuration to ensure this is an acceptable situation.

SCF15B7I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) R2 Restore
in-progress, will retry for 3 minutes
```

Cause

During host cleanup, the commit failed because the R2 restore operation was active. The commit will be re-issued for a maximum of 3 minutes.

Action

None.

SCF15B8E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) Recovery
Group srdfgrp invalid
```

Cause

During SRDF/Star initialization, the Site C to Site B (concurrent) or Site A to Site C (cascaded) SRDF/Star recovery groups *srdfgrp* was found to be invalid. For an SRDF/SQAR configuration, the recovery groups are configured between the Site C and Site D storage system.

Action

Update the SRDF Host Component initialization parameters to specify a valid SRDF/Star or SQAR recovery group.

SCF15B9E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) ConGroup
Trip detected, a PENDDROP will be initiated
```

Cause

A ConGroup trip has been detected for the cascaded SRDF/Star environment. MSC will internally perform a PENDDROP to save a consistent image at the remote site.

Action

Investigate the cause of the trip event and perform appropriate recovery procedures.

SCF15BAI

MSC - GROUP=*mscgrp* (*ccuu*, [*sync_srdfgrp*], *async_srdfgrp*) Retry issued in EHCSRBIO

Cause

During MSC cycle switching, an I/O was rejected due to an environmental unit check on an FBA device. However, the retry was successful.

Action

None.

SCF15BBI

MSC - GROUP=*mscgrp* (*ccuu*, [*sync_srdfgrp*], *async_srdfgrp*) Auto Recovery BCV Management bypassed due to user request

Cause

BCV management will be bypassed for this instance of Auto Recovery, as a result of the NOBCV option.

Action

None, but be aware that a new point-in-time backup of the R2 devices was not taken.

SCF15BCI

MSC - GROUP=*mscgrp* (*ccuu*, [*sync_srdfgrp*], *async_srdfgrp*) Host Cleanup bypassed due to UCB Swap

Cause

A UCB swap was detected by MSC host cleanup. Host cleanup for the MSC group will be bypassed.

Action

None.

SCF15BDI

MSC -
GROUP=*mscgrp* (*ccuu*, [*sync_srdfgrp*], *async_srdfgrp*) *count* CExempt devices

Cause

During a cycle switch, the indicated number of devices are in Consistency Exempt mode.

Action

None.

SCF15BEI

MSC - GROUP=*mscgrp* (*ccuu*, [*sync_srdfgrp*], *async_srdfgrp*) No longer in CExempt mode

Cause

No devices in this MSC group are in Consistency Exempt mode. This message is issued as the result of a previous detection of at least one device in Consistency Exempt mode (message SCF15BDI).

Action

None.

SCF15BFE

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp,] async_srdfgrp) STAR  
Feature not licensed on symmserial RC/RSNC rc/rsnc
```

Cause

The SRDF/Star feature is not licensed on the indicated storage system.

Action

Validate the SRDF/Star configuration. Contact the Dell EMC Customer Support Center.

SCF15C0E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp,] async_srdfgrp)  
id/subroutine, RC=rc
```

Cause

This is a diagnostic message issued when an error occurs during MSC (Star or SQAR) initialization. This message indicates the MSC module and subroutine where the initialization error was detected. A previous error message should indicate the nature of the problem.

Action

Contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF15C1W

```
MSC - SCF.MSC.GTFUSR.RECID=value invalid
```

Cause

The record (event) ID specified for MSC GTF USR tracing is invalid.

Action

Update the SCF.MSC.GTFUSR.RECID parameter in the SCF initialization file with a valid value, issue an INI,REFRESH command, and restart MSC.

SCF15C2I

```
MSC - GTF USR Tracing enabled for Event Id value
```

Cause

This message is issued when MSC GTF USR tracing is enabled (SCF.MSC.GTFUSR.TRACE=YES) to indicate the record (event) ID.

Action

None.

SCF15C3W

```
MSC - Fast cycle switching requires microcode level 5773, Cycle  
Target reset to 15
```

Cause

MSC fast cycle switching (MSC_CYCLE_TARGET < 15) requires a minimum operating environment level of 5773 on both sides of each asynchronous link in the MSC configuration. MSC continues, using a cycle target time of 15 seconds.

Action

None.

SCF15C4E

```
MSC -  
GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) {R1|R2} {FREE|OBT  
} SEL failed for LOCKID lockid, RC rc
```

Cause

An SEL (Symmetrix External Lock) FREE or OBTain operation failed for the R1 or R2 storage system during MSC initialization or termination. *lockid* is the lock holder ID of the currently lock or "17050000" if the lock is not held. *rc* is the return code from the SEL service routine.

Action

Contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF15C4W

```
MSC -  
GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) {R1|R2} {FREE|OBT  
} SEL failed for LOCKID lockid, RC rc
```

Cause

An SEL (Symmetrix External Lock) FREE or OBTain operation failed for the R1 or R2 storage system during MSC initialization or termination. *lockid* is the lock holder ID of the currently lock or "17050000" if the lock is not held. *rc* is the return code from the SEL service routine.

The message severity level is W (Warning) for a FREE failure with return code 8.

A FREE request with return code 8 means that the lock was stolen by another instance of MSC on the same storage system. The lock steal interval is specified by the SCF.MSC.MAX.LOCK.WAIT parameter.

Action

None for a FREE request with return code 8.

Otherwise, contact the Dell EMC Customer Support Center for any other error. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF15C5I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) Gatekeeper  
{ENQ|DEQ} successful
```

Cause

This message is issued on behalf of a successful ENQ or DEQ for each MSC gatekeeper. The major name is "EMCSERVR" with a minor name of "SERVER MSC GATEKEEPER *ccuu*".

Action

None.

SCF15C6W

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) Gatekeeper  
{ENQ|DEQ} failed
```

Cause

The ENQ or DEQ for an MSC gatekeeper failed.

Action

Review the SCF Log to determine the cause of the failure.

SCF15C7W

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) Gatekeeper  
ENQ in-use
```

Cause

An ENQ for the MSC Gatekeeper failed because the ENQ is already in-use. Another MSC in the complex is probably running with the same gatekeeper or group.

Action

Check for another active instance of MSC in the complex using the same MSC gatekeeper and group combination. Note that an MSC group can be controlled from only one MSC instance at a time.

SCF15C8W

```
MSC - GROUP=mscgrp Possible loss of the Primary Server on ssid  
detected
```

Cause

This message is issued by a secondary server in a High Availability MSC/Star or SQAR environment to signal the possible loss of the primary server. *ssid* is the system ID of the primary server. If this value is not available, "..." will be displayed.

Action

After a primary server failure, full SRDF/Star or SQAR protection can be reinstated by initiating a takeover on the secondary server. ConGroup must be transferred first (using the ConGroup TAKEOVER command), followed by an MSC takeover (using the MSC,TAKEOVER command of SCF).

SCF15C9I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) TAKEOVER  
processing initiated
```

Cause

This message is issued as a result of the MSC,TAKEOVER command to indicate the initiation of takeover processing for the MSC SRDF group.

Action

Wait for message SCF15CAI, which indicates successful completion of takeover processing.

SCF15CAI

```
MSC - GROUP=mscgrp TAKEOVER processing completed
```

Cause

This message Indicates the successful completion of takeover processing for all SRDF groups in the MSC group. The secondary server has assumed control of the SDDF sessions for the SRDF/Star environment.

Action

None.

SCF15CBE

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) TAKEOVER  
processing failed
```

Cause

Takeover processing for the SRDF group failed.

Action

Review the log for the errors associated with takeover processing. Correct the errors and reissue the TAKEOVER command.

SCF15CCI

```
MSC -
GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) {ADD|DELETE} processing initiated
```

Cause

Dynamic device ADD or DELETE processing has been initiated for the indicated MSC SRDF group in the SRDF/Star configuration.

Action

Wait for message SCF15CDI, indicating successful processing completion.

SCF15CDI

```
MSC -
GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) {ADD|DELETE} processing completed
```

Cause

Dynamic device ADD or DELETE processing has completed for the indicated MSC SRDF group.

Action

None.

SCF15CEE

```
MSC -
GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) {ADD|DELETE} processing failed
```

Cause

Dynamic device ADD or DELETE processing failed for the indicated MSC SRDF group. This message will be preceded with a descriptive error message.

Action

Correct the problem and issue an MSC,ADDDEV command to reinitiate dynamic ADD processing or an MSC,DELDEV command to reinitiate dynamic DELETE processing.

SCF15CFI

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp)
{ADD|DELETE} device (r1dev# / sync_r2dev# / async_r2dev#)
```

Cause

Displays the set of SRDF/Star devices being added to or removed from the configuration. For a concurrent SRDF/Star environment, *r1dev#* is the R11 at Site A, *sync_r2dev#* is the synchronous R2 at Site B and *async_r2dev#* is the asynchronous R2 at Site C. For a cascaded SRDF/Star environment, *r1dev#* is the synchronous R1 at Site A, *sync_r2dev#* is the R21 device at Site B and *async_r2dev#* is the asynchronous R2 at Site C.

Action

None.

SCF15D0E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) Sync R2  
device not configured for R1 dev#
```

Cause

This message is issued for a concurrent SRDF/Star environment, when a new asynchronous R1 is not an R11. For a device to be incorporated into SRDF/Star, it must have a complete device relationship. Device ADD processing will be terminated without the addition of any new devices.

Action

Once all of the synchronous R2 devices are configured and synchronized, an MSC,ADDDEV command can be issued to reinitiate device ADD processing.

SCF15D1E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) Sync R1  
device not configured for R2 dev#
```

Cause

This message is issued for a cascaded SRDF/Star environment, when a new asynchronous (Site B) device is not an R21. For a device to be incorporated into SRDF/Star, it must have a complete device relationship. Device ADD processing will be terminated without the addition of any new devices.

Action

Once all of the new asynchronous devices are configured as R21s and synchronized, an MSC ADDDEV command can be issued to reinitiate device ADD processing.

SCF15D2I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) The STAR  
configuration has not changed
```

Cause

No new devices were discovered when searching for a SRDF/Star configuration change. Device processing for this MSC SRDF group will be terminated. This could occur as the result of an MSC,ADDDEV or MSC,DELDEV command for a configuration with multiple MSC SRDF groups where not all of the MSC SRDF groups had new or deleted devices.

Action

None.

SCF15D3W

```
MSC - GROUP=mscgrp Dynamic Device {ADDDEV|DELDEV} not supported  
for Secondary Servers
```

Cause

Dynamic device addition or deletion is supported only for primary MSC servers.

Action

None.

SCF15D4W

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) Dynamic  
Device {ADD|DELETE} in-progress, {ADD|DELETE} deferred
```

Cause

Dynamic device addition or deletion command was issued while another SRDF/Star dynamic device change was in-progress. The new action will be deferred until the previous action completes.

Action

None.

SCF15D5E

```
MSC - GROUP=mscgrp Session (ccuu, [sync_srdfgrp], async_srdfgrp) not found
```

Cause

As the result of a dynamic device command for a specific MSC session, the session was not found.

Action

Check the SRDF Host Component parameters for the correct gatekeeper CCUU and SRDF groups.

SCF15D6E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) R1/R2 r1dev# / r2dev# is not ready
```

Cause

The device pair is in an SRDF Not Ready state. Device add processing will be terminated without the addition of any new devices.

Action

To be included in the SRDF/Star configuration, all device pairs must be SRDF Ready.

SCF15D7I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) R1/R2 r1dev# / r2dev# is not synchronized
```

Cause

The device pair is not synchronized (invalid tracks are owed from the R1 to the R2). MSC will poll once per cycle for approximately 15 minutes until all of the new devices are synchronized. If a timeout occurs, message SCF15D9E will be issued and Device Add processing will be terminated without the addition of any new devices.

Action

None.

SCF15D8I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) Device r1dev# in CExempt mode
```

Cause

This message is issued for each R1 device in Consistency Exempt mode during device add processing. MSC will poll once per cycle for approximately 15 minutes until none of the new devices are in Consistency Exempt mode. If a timeout occurs, message SCF15D9E will be issued and device add processing will be terminated without the addition of any new devices.

Action

None.

SCF15D9E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) ADD  
processing timeout due to reason
```

Cause

A timeout occurred during device add processing for the indicated reason; either for unsynchronized or Consistency Exempt devices.

Action

Previous messages SCF15D7I or SCF15D8I indicate the devices that need to be investigated.

SCF15DAE

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp)  
{Sync|Async} RDF mirror not found for R1 dev#
```

Cause

During the validation of the SRDF attributes, either the synchronous or asynchronous SRDF mirror was not found. This is an internal error condition.

Action

Contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF15DBW

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) Dynamic  
Device function requires 5773 microcode
```

Cause

The SRDF/Star dynamic device function requires Enginuity 5773 or a later level of the operating environment on the asynchronous R1 and R2 storage systems (prior levels do not export the Consistency Exempt state to the R2 storage system).

Action

Contact Dell EMC Customer Support in determining the required operating environment level and install the operating environment.

SCF15DCE

```
MSC - GROUP=mscgrp [TAKEOVER requires] ConGroup owner on ssid
```

Cause

The ConGroup associated with this MSC Star group is not the owner (the owner is active on the indicated system ID).

Action

Ownership must be transferred to the ConGroup task on the LPAR that is to be the primary MSC server prior to a start of a primary Star or initiating an MSC takeover, using the TAKEOVER command of ConGroup.

SCF15DDE

```
MSC - GROUP=mscgrp Dynamic Device Add rejected, Star Recovery is  
not available
```

Cause

A dynamic device add operation is not allowed when SRDF/Star recovery is not available.

Action

Re-issue the command after SRDF/Star recovery becomes available.

SCF15E0E

```
MSC - GROUP=msscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) R1 Serial
Number is null, initialization terminated
```

Cause

During MSC initialization, the serial number of the R1 storage system was not obtained. An SVC dump will be scheduled.

Action

Disable the MSC group and restart by issuing an #SC GLOBAL PARM_REFRESH command. If the problem persists, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available, including the dump.

SCF15E1W

```
MSC - GROUP=msscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) the SRDF/A
Group is empty
```

Cause

MSC has detected an empty SRDF/A group. This group will be dormant; cycle switching will continue for the other configured asynchronous groups.

Action

None.

SCF15E2E

```
MSC - GROUP=msscgrp All SRDF/A Groups are empty, DEACT initiated
```

Cause

MSC has detected that all of the SRDF/A groups in the MSC configuration are empty.

Action

MSC will be terminated with a DEACT, which will leave the environment intact as well as the SDDF sessions for an SRDF/Star configuration. Before restarting MSC, all of the SRDF/A groups must be active (which requires at least one device). If the intent is to leave a group empty, you must remove the definition from the SRDF Host Component initialization file.

SCF15E3E

```
MSC - GROUP=msscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) Storage
obtain failed for function
```

Cause

An internal storage request failed for the indicated function.

Action

Disable the MSC group and restart by issuing an #SC GLOBAL PARM_REFRESH command. If the problem persists, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF15E4E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp,] async_srdfgrp) Backout failed for Dynamic Device {Add|Delete}
```

Cause

Backout processing failed for a dynamic device add or delete operation.

Action

Contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF15E5E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp,] async_srdfgrp) SRDF/A is not active, Dynamic Device Add is not allowed
```

Cause

SRDF/A was not active during a device add operation for a previously empty MSC session.

Action

Activate SRDF/A and re-issue the MSC,ADDDEV command.

SCF15E6E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp,] async_srdfgrp) {STAR|SQAR} configuration error detected
```

Cause

An SRDF/Star or SQAR configuration error was detected during initialization. This could occur if devices are added to or removed from a Star or SQAR MSC group while the group is in a DEACT state.

Action

Disable the MSC group and restart. If the problem persists, run the M6 Cleanup Utility and restart.

SCF15E7I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp,] async_srdfgrp) the SRDF/A Group is no longer empty
```

Cause

At least one device was dynamically added to a previously empty SRDF/A group.

Action

None.

SCF15E8W

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp,] async_srdfgrp) STAR configuration mismatch, found (r1dev#,sync_r2dev#,async_r2dev#)
```

Cause

SRDF/Star takeover processing discovered a configuration mismatch. This could be the result of a dynamic delete on the primary server, followed by an add of the devices back into the asynchronous SRDF group without issuing an MSC,ADDDEV command. For a concurrent SRDF/Star environment, *r1dev#* is the R11 at site A, *sync_r2dev#* is the synchronous R2 at site B, and *async_r2dev#* is the asynchronous R2 at site C. For a cascaded SRDF/Star environment, *r1dev#* is the synchronous R1 at site A, *sync_r2dev#* is the asynchronous R2 at site C.

Action

To include these devices under SRDF/Star management, issue an MSC,ADDDEV command to the new primary server.

SCF15E9E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) type error during function
```

Cause

An error indicated by *type* occurred during an SRDF/Star dynamic device *function*.

Action

Contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF15EAI

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) Backout initiated for {Add|Delete}
```

Cause

Backout processing has been initiated for SRDF/Star dynamic device add or delete.

Action

None.

SCF15EBI

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) Backout complete for {Add|Delete}
```

Cause

Backout processing is complete for SRDF/Star dynamic device add or delete.

Action

None.

SCF15ECI

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) Retry initiated for {Add|Delete}
```

Cause

Due to an SDDF error, a retry has been initiated for SRDF/Star dynamic device add or delete.

Action

None.

SCF15EDR

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) R2 Restore Retry limit exceeded, reply RETRY or CANCEL
```

Cause

The host cleanup retry limit has been exceeded due to an active R2 restore.

Note that the condition that caused the R2 restore delay needs to be resolved. The EHCMSME Cleanup Utility (and EHCMSM6 for SRDF/Star or SRDF/SQAR) may need to be run before re-activating SRDF/A.

Action

Reply RETRY to re-initiate host cleanup processing. If this situation persists, investigate the reason for the R2 restore delay. A reply of CANcel terminates host cleanup.

SCF15F0E

```
MSC - GROUP=mscgrp not found
```

Cause

The specified MSC group name was not found.

Action

Correct the MSCGroup parameter and re-issue the command. Use the MSC,DISPLAY command to list defined MSC groups.

SCF15F1E

```
MSC command rejected, count MSC Groups are defined
```

Cause

The MSC command was rejected because it was issued without a specific MSC group name in a multi-MSC environment.

Action

Resubmit the command, specifying a specific MSC group name via the MSCGroup parameter. To display the MSC configuration, issue an MSC,DISPLAY command.

SCF15F2E

```
MSC - GROUP=mscgrp RESTART rejected, a Restart is in-progress
```

Cause

An MSC,RESTART command was issued while a restart was in progress for another MSC group.

Action

Wait until the first restart completes and re-issue the command.

SCF15F3W

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) is not {STAR|SQAR}, {ADDDEV|DELDEV} command ignored
```

Cause

The dynamic device addition or deletion is supported for SRDF/Star and SRDF/SQAR environments only. The command will be ignored for other (non-Star and non-SQAR) MSC configurations.

Action

None.

SCF15F4I

```
MSC - Processing for command command complete
```

Cause

This message is issued from the MSC environment manager to indicate the completion of processing for the specified command.

Action

None.

SCF15F5E

```
MSC - GROUP=mscgrp RESTART rejected, reason
```

Cause

An MSC,RESTART command failed due to the indicated reason.

Action

For a validation error, refer to the SRDF Host Component log for a message describing the error. After the parameter is updated, redefine the MSC group using the #SC GLOBAL PARM_REFRESH command.

SCF15F6E

```
MSC - GROUP=mscgrp command rejected, incorrect status
```

Cause

A DEACT command requires a status of Active or PendDrop.

Action

Verify that the command was issued for the desired MSC group. Use the MSC,DISPLAY command to view the status of the defined MSC groups.

SCF15F7W

```
MSC - GROUP=mscgrp TAKEOVER not supported on a Primary Server
```

Cause

An MSC,TAKEOVER command was issued on a primary server.

Action

Issue the MSC,TAKEOVER command on the secondary server.

SCF15F8W

```
MSC -  
GROUP=mscgrp (ccuu, [sync_srdfgrp,] async_srdfgrp) function rejected  
, Group is not active
```

Cause

An SRDF/Star dynamic device function cannot be processed for an inactive MSC group.

Action

None.

SCF15F9E

```
MSC - GROUP=mscgrp TAKEOVER is active, command {deferred|not  
allowed}
```

Cause

The indicated command is deferred or rejected while takeover is active. The command is processed after the takeover completes, or it is rejected.

Action

None.

SCF15F9W

```
MSC - GROUP=mscgrp TAKEOVER is active, command {deferred|not
```

```
allowed}
```

Cause

The indicated command is deferred or rejected while takeover is active. The command is processed after the takeover process completes, or it is rejected.

Action

None.

SCF15FCE

```
MSC - Processing for command command failed
```

Cause

The indicated MSC command failed.

Action

See the preceding MSC error message in the SCF job log.

SCF15FDE

```
MSC - GROUP=mscgrp SDDF RESET processing failed with RS=reason-code
```

Cause

SDDF RESET processing failed for the indicated reason.

Action

Contact Dell EMC Customer Support, quoting the message ID and the reason code.

SCF15FEE

```
MSC - GROUP=mscgrp SRDF/A is still active, ADCOPY-DISK bypassed
```

Cause

A timeout occurred when waiting for SRDF/A to deactivate on the indicated MSC group before issuing the ADCOPY-DISK action.

Action

Issue the command manually using the appropriate #SC VOL command syntax.

SCF15FFI

```
MSC - GROUP=mscgrp SRDF/A status unavailable, Host Cleanup bypassed
```

Cause

The SRDF/A status of an MSC session could not be queried and therefore MSC internal cleanup was bypassed.

Action

You can initiate the cleanup manually using the MSC batch cleanup utilities as described in the MSC recovery scenario and considerations provided in the *SRDF Host Component for z/OS Product Guide*.

SCF1600I

```
mscgrp status mode WF=n [cnggrp]
```

Cause

Displays information for each defined MSC group.

- *status* -
- ACTIVE (M|L) - Active group and its mode: M for Multi-Cycle Mode (MCM) and L for Legacy.
- INACTIVE - Inactive group.
- DEACT - Deactivated group.
- PENDDROP - Group terminated via a PENDDROP command.
- *INVALID - Group with a validation error.
- *mode* - Can be MSC, STAR, STAR-A, or SRDF/Star with AutoSwap. Cascaded configurations are indicated by (CAS). SQAR MSC groups are indicated by SQAR.
- *WF=n* - Indicates the weight factor used, where valid values are 0 to 3.
- *cnggrp* - For SRDF/Star configurations only, shows the name of the consistency group.

Action

None unless the status is INVALID. If INVALID, issue an #SC GLOBAL PARM_REFRESH command to redefine the group after the error is corrected.

SCF1601I

```
(ccuu, [srdfgrp,] srdfa_srdfgrp) [, (recovery-srdfgrp) / sync-srdfgrp]
```

Cause

Displays information for each session. The session information is comprised of the gatekeeper CCUU and the SRDF groups.

When one SRDF group is displayed after the gatekeeper, it represents the SRDF/A (Asynchronous) SRDF group.

When two groups are displayed, it represents a cascaded configuration (the first SRDF group is the synchronous group and the second is the SRDF/A group).

For SRDF/Star environments, the individual SRDF group displayed is the recovery group and for concurrent SRDF/Star, the SRDF group displayed after the "/" is the synchronous group (from A to B). The serial numbers in the displays represent the A, B and C systems respectively.

The following examples illustrate MSC group and session information messages:

Multiple MSC groups:

```
SCF1600I MSC_PRD ACTIVE MSC WF=0
SCF1601I (C200,C0) 0001903-00346 0001903-00353
SCF1601I (C201,C1) 0001903-00346 0001903-00353
```

Multiple cascaded MSC groups:

```
SCF1600I MSC_PRDC ACTIVE MSC(CAS) WF=0
SCF1601I (9D11,B0,C0) 0001903-00344 0001903-00346 0001903-00353
SCF1601I (9D11,B1,C1) 0001903-00344 0001903-00346 0001903-00353
```

Multiple Star groups (SRDF/Star with AutoSwap):

```
SCF1600I STAR_PRD ACTIVE STARFIRE WF=0 CGPROD
SCF1601I (5148,22), (BD)/B0 0000000-00143 0000000-00261 0000000-00262
SCF1601I (514C,23), (BD)/B1 0000000-00143 0000000-00261 0000000-00262
```

Multiple cascaded Star groups:

```
SCF1600I STAR_PRDC ACTIVE STAR(CAS) WF=0 CGPRODC
SCF1601I (5101,B0,D0), (BA) 0000000-00143 0000000-00261 0000000-00262
SCF1601I (5102,B1,D1), (BA) 0000000-00143 0000000-00261 0000000-00262
```

Action

None.

SCF1602I

```
MSC Display complete
```

Cause

Indicates the completion of an MSC,DISPLAY command.

Action

None.

SCF1603I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp,] async_srdfgrp) SDDF Close  
for {STAR|SQAR} session-id, nn% complete
```

Cause

SDDF close processing did not complete within 15 minutes after an MSC,DISABLE or MSC,REFRESH command. Once this initial interval occurs, subsequent checks will be done on a 3 minute interval.

- *session-id* identifies the SDDF session (B1, B2 or C1 for concurrent Star; A1, A2 or C1 for cascaded Star; C1, C2, D1 or D2 for SQAR).
- *nn* is the SDDF close completion percentage.

Action

Contact Dell EMC Customer Service for assistance in determining the reason for the delay in SDDF Close processing.

SCF1604R

```
MSC - GROUP=mscgrp SDDF Close not progressing, reply CONTInue,  
BYPass or TERMinate
```

Cause

Two consecutive poll intervals have transpired without any change in the number of devices closed.

Action

Reply one of the following:

- CONTInue to continue polling
- BYPass to bypass polling for the current SDDF session task (the task will terminate and polling will continue with the next SDDF session task)
- TERMinate to terminate all active SDDF session tasks

SCF1610I

```
MSC - GROUP=mscgrp Dynamic Session processing initiated
```

Cause

This message is issued for a Dynamic Session ADD or DELETE and indicates that the ADD or DELETE process has begun.

Action

None.

SCF1611I

MSC - GROUP=*mscgrp* Dynamic Session processing complete

Cause

This message is issued for a Dynamic Session ADD or DELETE and indicates that the ADD or DELETE process is complete.

Action

None.

SCF1612E

MSC - GROUP=*mscgrp* Maximum MSC Sessions

Cause

This message is issued for a Dynamic Session ADD and indicates that the maximum amount of sessions has been reached. The add group cannot be completed.

Action

Decrease the number of groups to add.

SCF1613E

MSC - GROUP=*mscgrp* Cannot remove last MSC Session

Cause

This message is issued for a Dynamic Session DELETE and indicates that only one session exists. The delete session cannot be completed.

Action

If you want to discard the MSC group definition, use the MSC,REFRESH command.

SCF1614I

MSC - GROUP=*mscgrp* (*ccuu*, [*sync_srdfgrp*], *async_srdfgrp*) Adding Session

Cause

This message is issued for a Dynamic Session ADD and indicates the session being added.

Action

None.

SCF1615I

MSC - GROUP=*mscgrp* (*ccuu*, [*sync_srdfgrp*], *async_srdfgrp*) Session Add successful

Cause

This message is issued for a Dynamic Session ADD and indicates the add session was successful.

Action

None.

SCF1616E

MSC - GROUP=*mscgrp* (*ccuu*, [*sync_srdfgrp*], *async_srdfgrp*) Session Add failed

Cause

This message is issued for a Dynamic Session ADD and indicates the add session was not

successful.

Action

Review the SCF job log for related error messages to determine the error.

SCF1617I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) Deleting session
```

Cause

This message is issued for a Dynamic Session DELETE and indicates the session being deleted.

Action

None.

SCF1618I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) Session Delete successful
```

Cause

This message is issued for a Dynamic Session DELETE and indicates the delete session was successful.

Action

None.

SCF1619E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) Session Delete failed
```

Cause

This message is issued for a Dynamic Session DELETE and indicates the add session was not successful.

Action

Review the SCF job log for related error messages to determine the error.

SCF1620I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) Session Backout initiated
```

Cause

This message is issued for a Dynamic Session ADD or DELETE and indicates the session will be backed out due to a previous error.

Action

None.

SCF1621I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) Session Backout complete
```

Cause

This message is issued for a Dynamic Session ADD or DELETE and indicates the session was backed out due to a previous error.

Action

None.

SCF1622E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) Session
Backout failed
```

Cause

This message is issued for a Dynamic Session ADD or DELETE and indicates the backout was not successful.

Action

Review the SCF job log for related error messages to determine the error.

SCF1623E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) reason
```

Cause

A Dynamic MSC Session Add or Delete failed due to the indicated reason:

- SCANUCB failed
- Read Scratch failed
- REQSRDFA call failed
- Remote ConfigGlobal call failed
- Already active in MSC mode: this indicates the MSC session is either active in another MSC group, or the MSC mode indicator is set due to a previous error situation.
- Rejected, Primary not done: this is issued from a secondary server in an MSC High Availability environment if the session was not added to the primary server.
- Rejected, incompatible with Fast cycle switching: this indicates the new group is at Enginuity 5772 or a later level of the operating environment and the current MSC group is running with a target cycle time less than 15 seconds.

Action

For any of the “failed” messages, collect the JES Message Log and the SCF Trace dataset corresponding to the time of the error and contact the Dell EMC Customer Support Center.

For *Already active in MSC mode*, investigate any other active MSC groups for this session. If none are found, check the SCF Logs for a prior MSC failure. Contact the Dell EMC Customer Support Center.

For *Rejected, Primary not done*, ADD the MSC session to the primary MSC server then re-issue the ADD to the secondary.

For *Rejected, incompatible with Fast cycle switching*, the active MSC group must be disabled, followed by an #SC GLOBAL PARM_REFRESH and a start of the MSC group.

SCF1624I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], async_srdfgrp) Incomplete
Dynamic Session function
```

Cause

A queued Dynamic Session Add or Delete could not be completed due to an interruption of MSC. This could have been due to a Disable, Restart, or PendDrop of the MSC group, or a

Drop of any of the associated asynchronous SRDF groups.

Action

If MSC is restarted without any change to the session parameters in the SRDF Host Component parameter file for this MSC group, a GLOBAL_PARM_REFRESH {ADD | DELETE} will redrive the action.

SCF1630I

```
MSC - GROUP=mscgrp {SQAR|STAR-A} Recovery is now available
```

Cause

Both MSC SQAR or Star-A groups have reached consistency across the entire configuration and the SDDF sessions are ready to track changes at sites C and D.

Action

None.

SCF1631I

```
{SQAR|STAR-A} Recovery is no longer available
```

Cause

The SQAR/Star-A group had previously reached consistency across the entire configuration and the SQAR SDDF sessions were ready to track changes at the R2 site. Consistency has been lost or the SQAR SDDF sessions are no longer tracking changes.

Action

Check the SCF job log for any error messages. Contact Dell EMC Technical Support for assistance.

SCF1632I

```
MSC - GROUP=mscgrp {SQAR|STAR-A} Processing {enabled|disabled}  
with partner-mscgrp
```

Cause

SQAR or Star-A processing is enabled or disabled with the partner SQAR or Star-A group.

Action

None.

SCF1633E

```
MSC - GROUP=mscgrp {SQAR|STAR-A} configuration error, reason
```

Cause

SRDF/SQAR or SRDF/Star-A could not start due to a SQAR or Star-A configuration error.

Action

If the partner MSC group is not defined, add the definition for the partner MSC SQAR or Star-A group to the SRDF Host Component initialization file and issue an #SC GLOBAL,PARM_REFRESH command. If the partner group is invalid, correct the validation error (see the SRDF Host Component job log) and issue a #SC GLOBAL,PARM_REFRESH command.

SCF1634E

```
MSC - GROUP=mscgrp (ccuu, srdfgrp) {SQAR|STAR-A} configuration  
error, reason
```

Cause

SRDF/SQAR or SRDF/Star-A initialization failed due to a configuration error, indicated by *reason*.

Action

Correct the error and restart. Depending upon the error, it may be necessary to issue an #SC GLOBAL,PARM_REFRESH command to redefine the SQAR or Star-A MSC group.

SCF1635E

```
MSC - GROUP=mscgrp (ccuu,srdfgrp) R2 dev#, incomplete {SQAR|STAR-A} relationship
```

Cause

The R2 device does not have a valid SQAR/Star-A relationship. The displayed device is either an R21 at DC3 (A) or an R22 at DC4 (B).

Action

Validate the device relationships via SRDF Host Component #SQ VOL commands. Also ensure the correct Recovery Group is specified on the MSC_INCLUDE_SESSION statement.

For example, for SQAR, each R2 must be related to the other R2 device, which must form a “square” when viewing the relationship of each set of devices: DC1 (R11), DC2 (R21), DC3 (R21), and DC4 (R22).

SCF1636W

```
MSC - GROUP=mscgrp Storage Lock action for resource
```

Cause

A request to obtain an MSC storage lock could not be honored for the indicated resource. MSC SQAR uses a storage lock to serialize access to the partner MSC control block.

Action

Review the SCF job log for related error messages. Contact the Dell EMC Customer Support Center.

SCF1637W

```
MSC - GROUP=mscgrp @RETRY Stack overflow
```

Cause

The internal retry stack for MSC has been exceeded.

Action

Contact the Dell EMC Customer Support Center.

SCF1638W

```
MSC - GROUP=mscgrp debug1 debug2 debug3 debug3
```

Cause

Provides diagnostic information for a previous error condition.

Action

Review the SCF job log for related error messages. Contact the Dell EMC Customer Support Center.

SCF1639W

```
MSC - GROUP=msscgrp ConGroup Trip detected
```

Cause

MSC has detected a consistency group trip.

Action

Review the SCF, ConGroup, and system logs to determine the reason for the trip. The recovery action will be based upon the specific cause. Contact the Dell EMC Customer Support Center.

SCF1640I

```
MSC - GROUP=msscgrp (ccuu, [sync_srdfgrp,] async_srdfgrp)  
Transitioning to Legacy mode
```

Cause

The MSC session will transition from MCM to Legacy mode.

Action

None.

SCF1641E | SCF1641I

```
MSC - GROUP=msscgrp (ccuu, [sync_srdfgrp,] async_srdfgrp) Transition  
to Legacy mode {complete|failed}
```

Cause

Indicates the success (complete) or failure (failed) of the transition from MCM to Legacy mode.

Action

For a failure, check the job log for additional messages. Contact Dell EMC Technical Support for further assistance.

SCF1649W

```
MSC - DISPLAY cannot proceed due to active SRDF/HC REFRESH
```

Cause

SRDF Host Component is in the process of validating an MSC group.

Action

Wait for SRDF Host Component to complete MSC group validation before attempting your action.

SCF1650W

```
MSC GROUP=msscgrp TAKEOVER SDDF error
```

Cause

An SDDF error occurred during Takeover processing.

Message SCF1532E should have been issued for each device with an SDDF error. The likely cause is a failed drive or disk director.

Action

Investigate and fix the error condition based on the information provided in message SCF1532E.

SCF1651I

```
MSC - GROUP=msscgrp PAV Optimizer support enabled, Wait time = nnn
```

Cause

zBoost PAV Optimizer support has been enabled for the indicated MSC group. Wait time is the time to wait after messaging all storage systems for a PAVO suspend, which is set to 100 (1 second) by default.

Action

None.

SCF1652I

```
MSC - GROUP=mscgrp (ccuu) Initiating PAV Optimizer Suspend
```

Cause

Suspend of zBoost PAV Optimizer write optimization has been initiated for the indicated MSC group.

This message is issued for the first cycle switch and after a dynamic session ADD or DELETE.

Action

None.

SCF1653I

```
MSC - GROUP=mscgrp (ccuu) Initiating PAV Optimizer Resume
```

Cause

Resume of zBoost PAV Optimizer write optimization has been initiated for the indicated MSC group.

This message is issued for the first cycle switch and after a dynamic session ADD or DELETE.

Action

None.

SCF1654W

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], [async_srdfgrp]) Commit for Transmit cycle nnnnnnnn failed, RC rc [(reason)]
```

Cause

When running Multi-Cycle Mode in a high availability configuration, a commit could fail if another server recently issued a commit. The *reason* for RC 46 is Tag mismatch. The reason for RC 5F is Already committed.

Action

Check the weight factor of the MSC servers. This message is more likely to occur when more than one server is running with the weight factor of zero.

SCF1655E

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp], [async_srdfgrp]) logrec_rsn [,MSC_reason] [,syscall_id]
```

Cause

This message complements the SCF136EE message to provide reason code details.

The same reason code recorded in the Logrec record is displayed. For an MSC type error, the reason detailing the MSC error is displayed. If a syscall error occurred, the syscall id, subcommand and subformat is displayed.

Action

Contact Dell EMC Technical Support for assistance. Ensure all relevant documentation is available.

SCF1656W

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp,] async_srdfgrp) SDDF  
{B1|B2} {Reset|Activate|Deact} Link error for path hoplist
```

Cause

A link error has been detected for a SQAR SDDF operation. The hoplist indicates the path to the opposite R2 system, A->C->D for the SQAR-A MSC group or B->D->C for the SQAR-B MSC group.

SQAR will switch to the alternate path for the opposite R2 system. For the SQAR-A MSC group, the "D" system will be reached via A->B->D. For the SQAR-B MSC group, the "C" system will be reached via B->A->C.

Action

Investigate the reason for the link failure. The state of the original path will be checked approximately every five minutes. If the original link becomes operational, it will be restored automatically.

SCF1657I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp,] async_srdfgrp) Restored  
SDDF path hoplist
```

Cause

After a SQAR SDDF link error, the original path to the opposite R2 system has been restored.

Action

None.

SCF1660I

```
MSC - GROUP=mscgrp THAW processing initiated
```

Cause

THAW processing has been initiated.
THAW is intended for GDDR only.

Action

None.

SCF1661I

```
MSC - GROUP=mscgrp THAW processing completed
```

Cause

THAW processing has completed.
THAW is intended for GDDR only.

Action

None.

SCF1662E | SCF1662I

```
MSC - GROUP=mscgrp THAW processing failed
```

Cause

THAW processing failed for the MSC group.
Note that THAW is intended for GDDR only.

Action

Contact Dell EMC Technical Support.

SCF1663E | SCF1663I

```
MSC - GROUP=mscgrp (ccuu, [sync_srdfgrp,] async_srdfgrp) THAW
processing failed, reason
```

Cause

THAW processing failed for the MSC session for the indicated reason.
Note that THAW is intended for GDDR only.

Action

Contact Dell EMC Technical Support.

SCF1700I

```
WPA Monitor version-release-date is active
```

Cause

The SRDF/A Write Pacing Monitor has become active and is starting to process its initialization parameters. *version* is the version and release of the monitor and *date* is the build date of the program.

Message level: BASIC

Action

None.

SCF1701I

```
WPA Monitor has ended.
```

Cause

The SRDF/A Write Pacing Monitor has completed shutdown and is no longer active.

Message level: BASIC

Action

None.

SCF1702I

```
WPA Monitor poll interval set to nnn minutes
```

Cause

The WPA Monitor is indicating the polling interval it is using to gather pacing statistics. The message is issued during initial startup, initialization parameter refresh, or by a command to set the poll interval.

Message level: BASIC

Action

None.

SCF1703E

```
SMF record must be a decimal number between 128 - 255 found nnn
SMF disabled
```

Cause

An invalid SMF record number *nnn* was specified for use on the SCF.WPA.SMF.RECORD initialization parameter. SMF recording of pacing statistics is suspended.

Message level: BASIC

Action

Correct the SCF.WPA.SMF.RECORD initialization parameter using a valid SMF record number and issue the SCF INI,REFRESH command.

SCF1704I

```
WPA Monitor SMF recording enabled. Using record ID nnn.
```

Cause

SMF recording by the WPA Monitor is active for pacing statistics, and will be performed using the indicated SMF record number ID.

Message level: BASIC

Action

None.

SCF1705I

```
WPA Monitor SMF filter set to value.
```

Cause

SMF recording filter is set to the indicated value. For explanation of possible filter values, see the description of the SCF.WPA.SMF.FILTER initialization parameter in the *ResourcePak Base for z/OS Product Guide*. A value of NULL means that no SMF filtering is performed.

Message level: BASIC

Action

None.

SCF1706I

```
WPA Monitor reporting {GROUP|DEVICE|ALL} stat types.
```

Cause

The WPA Monitor is active and will report pacing statistics for the statistic types as specified by the SCF.WPA.STYPES initialization parameter.

Message level: BASIC

Action

None.

SCF1707W

```
Invalid stat type specified, defaulting to ALL
```

Cause

An invalid type was specified on the SCF.WPA.STYPES initialization parameter and the monitor is defaulting to reporting on all types.

Message level: BASIC

Action

If it is not desired to report on all pacing types, correct the SCF.WPA.STYPES initialization parameter and perform an SCF INI,REFRESH.

SCF170BE

```
Unable to obtain storage for component. RTN=nnnn, RSN=nnnn.
```

Cause

STORAGE OBTAIN for *component* failed. *component* is an identifier generated dynamically that has meaning to Dell EMC Customer Support to help in diagnosing the problem. The RTN code and RSN code are from the STORAGE OBTAIN. The WPA Monitor cannot continue and will take a SNAP dump and then shut down. SCF will continue to operate normally, but the WPA Monitor should not be restarted without consulting Dell EMC Customer Support.

Message level: BASIC

Action

Contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available. Provide the full text of the message including the message ID, and get instructions for FTP'ing the SNAP dump to the Dell EMC support site.

SCF170DW

```
Invalid filter specified, defaulting to ZERO
```

Cause

An invalid filter was specified on the SCF.WPA.SMF.FILTER initialization parameter and the WPA Monitor is defaulting to recording all statistics records, including those with statistics of all zeroes.

Message level: BASIC

Action

If you do not want reporting on all zero statistics records, correct the SCF.WPA.SMF.FILTER initialization parameter, and perform an SCF INI,REFRESH.

SCF170EW

```
WPA - Invalid poll interval specified, using default
```

Cause

An invalid poll interval was specified in the SCF.WPA.POLL.INTERVAL initialization parameter and the monitor is using the default poll interval of 5 minutes.

Message level: BASIC

Action

If you do not want to poll using the default interval of 5 minutes, correct the SCF.WPA.POLL.INTERVAL initialization parameter and perform an SCF INI,REFRESH.

SCF170FW

```
WPA - statement ini parm was not found, using default
```

Cause

The indicated statement was not found after the WPA Monitor finished reading in all of its parameters in the SCF initialization file. A default setting will be used for the omitted statement.

Message level: BASIC

Action

If the missing parameter needs to be specified, add it to the SCF initialization file and perform an SCF INI,REFRESH.

SCF1710I

WPA - All local Symmetrix systems will be monitored.

Cause

The WPA Monitor has finished reading all of the SCF initialization parameters. It did not find any INCLUDE or EXCLUDE statements. It will be watching and reporting on all of the storage systems local to the LPAR on which it is running.

Message level: BASIC

Action

None.

SCF1711I

WPA - All local Symmetrix systems not EXCLUDED will be monitored

Cause

The WPA Monitor has finished reading all of the SCF initialization parameters. It found only EXCLUDE statements. It will be watching and reporting on all of the storage systems that were not excluded and are local to the LPAR on which it is running.

Message level: BASIC

Action

None.

SCF1712I

WPA - All local Symmetrix systems INCLUDED will be monitored.

Cause

The WPA Monitor has finished reading all of the SCF initialization parameters. It found only INCLUDE statements. It will be watching and reporting on all of the storage systems that were included and are local to the LPAR on which it is running.

Message level: BASIC

Action

None.

SCF1713I

WPA - All local Symmetrix systems INCLUDED, but not EXCLUDED will be monitored

Cause

The WPA Monitor has finished reading all of the SCF initialization parameters. It found both INCLUDE and EXCLUDE statements. It will be watching and reporting on all of the storage systems that were included, but not excluded, and are local to the LPAR on which it is running.

Message level: BASIC

Action

None.

SCF1714E

WPA - EHCRDFAM module missing. Write Pacing Monitor stopped.

Cause

The WPA Monitor was unable to locate the EHCRDFAM messages module during startup.

Message level: BASIC

Action

Ensure that the EHCRDFAM module is in the module search order for the SCF started task and restart SCF.

SCF1715I

```
WPA Monitor MSGLEVEL set to keywords
```

Cause

The WPA Monitor will display messages of the categories indicated with one or more comma-separated keywords: ALERTS, BASIC, INCEXC, STATE, or STATUS, as specified using the SCF.WPA.MSGLEVEL initialization parameter.

Message level: BASIC

Action

None.

SCF1716W

```
WPA - Invalid message level specified, defaulting to BASIC
```

Cause

The SCF.WPA.MSGLEVEL parameter specified was invalid. The WPA Monitor is defaulting to the BASIC message level.

Message level: BASIC

Action

Correct the SCF.WPA.MSGLEVEL parameter and perform an SCF INI,REFRESH.

SCF1717W

```
WPA - No eligible controllers found for the following EXCLUDE statements: symmserial(grplist)
```

Cause

The indicated EXCLUDE statements were specified in the SCF initialization file, but there were no eligible storage systems found corresponding to them.

Message level: INCEXC

Action

Correct any of the listed EXCLUDE statements if they were in error and perform an SCF INI,REFRESH.

SCF1718W

```
WPA - No controllers found for the following INCLUDES: symm-serial(grplist)
```

Cause

The indicated INCLUDE statements were specified in the SCF initialization file, but there were no eligible storage systems found corresponding to them.

Message level: INCEXC

Action

Correct any of the listed INCLUDE statements if they were in error and perform an SCF INI,REFRESH.

SCF1719I

WPA - The following EXCLUDE statements are in effect: *symm-serial(grplist)*

Cause

The indicated EXCLUDE statements are active and associated with eligible storage systems.

Message level: INCEXC

Action

None.

SCF171AI

WPA - The following INCLUDE statements are in effect: *symm-serial(grplist)*

Cause

The INCLUDE statements listed are active and associated with eligible storage systems.

Message level: INCEXC

Action

None.

SCF171BE

WPA - These EXCLUDES refer to unsupported ucode controllers: *text*

Cause

The indicated EXCLUDE statements are invalid. *text* is what was specified in the SCF initialization parameters. Depending on the error and how it was parsed, it may not look like an EXCLUDE statement.

Message level: INCEXC

Action

Correct the listed EXCLUDE statements and perform an SCF INI,REFRESH.

SCF171CE

WPA - These INCLUDES refer to unsupported ucode controllers: *text*

Cause

The indicated INCLUDE statements are invalid. *text* is what was specified in the SCF initialization parameters. Depending on the error and how it was parsed, it may not look like an INCLUDE statement.

Message level: INCEXC

Action

Correct the listed INCLUDE statements and perform an SCF INI,REFRESH.

SCF171DE

WPA - Serious error detected. *error-text*.

Cause

An error was detected that requires the WPA Monitor to shut down. The WPA Monitor will take a SNAP dump and shut down.

Message level: BASIC

Action

Contact Dell EMC Customer Support. Be prepared to send the full text of the message including the message ID, and get instructions for FTP'ing the SNAP dump to the Dell

These messages are issued for storage systems whenever there is a change in the states, total paced delay, or total paced track count for the SRDF groups being monitored. If there were no changes for an SRDF group being monitored, that SRDF group will not be included in the display for the storage system. If no SRDF groups being monitored on a storage system had any changes, there will be no SCF1724I message for that storage system during the polling interval.

states is a comma-separated list of: [Paced/Armed/Supported/Enabled]
Inactive.

nnnnnnnnnnnnnnnnnn is a 16-digit hexadecimal value. For delay, it is the number of microseconds. For track count, it is the actual number of tracks.

Message level: STATE

Action

None.

SCF1730E

WPA - No controllers found. Functions suspended.

Cause

During the polling interval, no eligible storage systems were found to monitor. This message is issued a single time when this condition is found. All monitoring functions and SMF recording are suspended. The WPA Monitor will continue to check for storage systems to monitor each polling cycle. Monitor functions will resume when an eligible storage system is found during a polling cycle.

Message level: BASIC

Action

If there should be storage systems eligible for monitoring when this message is received, verify that the storage systems you want monitored are known to SCF and not excluded in some way. Verify that the SCF initialization parameters for the WPA Monitor are correct and that there are no SCF.WPA.EXCLUDE statements specified that would result in no storage systems being eligible for monitoring. The combination of INCLUDE and EXCLUDE statements for both SCF and the WPA Monitor determine the set of storage systems that will be monitored. If a review of the initialization parameters and the connectivity of the storage systems to the LPAR on which the WPA Monitor is running indicates that there should be storage systems eligible for monitoring, contact Dell EMC Customer Support.

SCF1731I

WPA - No pacing state changes this poll interval

Cause

During the current polling interval there were no pacing state changes found for any of the storage systems and SRDF groups being monitored.

Message level: BASIC

Action

None.

SCF1732W

WPA - SCF.WPA.MONITOR parm not found. Terminating.

Cause

During startup or after an INI,REFRESH the SCF.WPA.MONITOR parameter was not found. The WPA Monitor will terminate.

Message level: BASIC

Action

To activate the WPA Monitor, add the SCF.WPA.MONITOR parameter to the SCF initialization file and restart SCF.

SCF1733E

```
WPA - SCF.WPA.MONITOR parm invalid. Terminating.
```

Cause

During WPA Monitor startup or after an INI,REFRESH, the SCF.WPA.MONITOR parameter was found, but its value is invalid. The WPA Monitor terminates.

Message level: BASIC

Action

To activate the WPA Monitor, correct the SCF.WPA.MONITOR initialization parameter and restart SCF.

SCF1734I

```
WPA - SCF.WPA.MONITOR=DISABLE. Terminating.
```

Cause

During WPA Monitor startup or after an INI,REFRESH the SCF.WPA.MONITOR initialization parameter was found to be DISable. The WPA Monitor terminates.

Message level: BASIC

Action

None.

SCF1735I

```
WPA - SCF.WPA.MONITOR=ENABLE. Starting.
```

Cause

During WPA Monitor startup the SCF.WPA.MONITOR parameter was found set to ENable. The WPA Monitor becomes active.

Message level: BASIC

Action

None.

SCF1736I

```
WPA - Attempting to load message module EHCDFAM.
```

Cause

The message module EHCDFAM was not preloaded by the SCF initialization process. The WPA Monitor attempts to load it dynamically.

Message level: BASIC

Action

None.

SCF1737I

```
WPA - Message module EHCDFAM successfully loaded.
```

Cause

The dynamic LOAD of the message module EHCDFAM was successful.

Message level: BASIC

Action

None.

SCF1738E

```
WPA - Dynamic LOAD of message module EHCRDFAM failed.
```

Cause

The message module EHCRDFAM was not preloaded as part of SCF initialization. The WPA Monitor attempted to dynamically load it, but the LOAD failed. The WPA Monitor terminates. The only impact to SCF is that the WPA Monitor is inactive. Other functionality is not affected.

Message level: BASIC

Action

If you do not want the WPA Monitor to be active, no action is required, and you can ignore this message.

If you want the WPA Monitor to be active, ensure that the EHCRDFAM module is in your SCF STEPLIB or JOBLIB and restart SCF. If the EHCRDFAM module is in the STEPLIB or JOBLIB, contact Dell EMC Customer Support for assistance.

SCF173FE

```
WPA - Bad storage request. Terminating to protect SCF.
```

Cause

The WPA Monitor storage management subroutine received a request that it detected as being abnormal. The types of requests that are considered abnormal:

1. A request to release all storage in a given subpool.
2. A request to release storage that was used to contain a line of WTO text that is greater than the maximum length of a WTO text line.

After issuing this message, the WPA Monitor shuts down to protect SCF.

Action

Contact Dell EMC Customer Support.

SCF1800E

```
The address space parameter list is invalid.
```

Cause

Either an internal error has occurred or the recovery job was not initiated properly. Auto recovery can only be initiated internally as the result of a recoverable event or via the SRDF Host Component recovery command.

Action

If an internal error occurred, see the SCF log to determine the cause and action. Otherwise, initiate auto recovery using the proper command.

SCF1990W

```
SCF1990W SCF.DEV.{EXCLUDE|INCLUDE} range specified incorrectly:  
dev#-dev#
```

Cause

The SCF initialization file contains an SCF.DEV.EXCLUDE or SCF.DEV.INCLUDE statement that specifies an invalid range of devices (shown as *dev#-dev#*).

Action

Correct the device range to be in ascending order, etc. and restart SCF.

SCF1998I

```
SYMCMD: text
```

Cause

This is an MSC process status message enabled by DEBUG or VERBOSE settings. This message is issued during normal processing and is not intended for customer tracking or message automation.

Action

None.

SCF2000E

```
SCF subsystem is not found - Start SCF and retry or cancel
```

Cause

The SCF subsystem is not active.

Action

Verify that the correct SCF subsystem was specified or start SCF.

SCF2001I

```
SCF IS NOT AVAILABLE - WAITING
```

Cause

The SCF subsystem is not active, waiting for SCF to initialize.

Action

Verify that the correct SCF subsystem was specified or start SCF.

SCF2002I

```
TERMINATING GLOBAL SCF ENVIRONMENT
```

Cause

The SCF environment will be completely shut down.

Action

None.

SCF2003I

```
GLOBAL SCF ENVIRONMENT TERMINATED
```

Cause

The SCF environment has been terminated.

Action

None.

SCF2004I

```
SCFGBLCD AT aaaaaaaa IS TO BE REPLACED
```

Cause

During SCF initialization or reload processing, the existing API routine will be replaced.

Action

None.

SCF2005I

```
CURRENT LOCK IS lockid
```

Cause

During SCF initialization or reload processing, the current lock ID is displayed.

Action

None.

SCF2006I

```
SCFGBLCD REPLACED, NEW ADDRESS aaaaaaaa
```

Cause

The API routine was loaded at the indicated address.

Action

None.

SCF2007I

```
WAITING FOR API ROUTINES TO COMPLETE
```

Cause

During SCF initialization or reload processing, the existing API routine was found to be in use and cannot be replaced.

Action

If initialization does not complete within several minutes, contact the Dell EMC Customer Support Center.

SCF2008E

```
MODULE (module) CANNOT BE LOCATED
```

Cause

SCF initialization failed because a module could not be located.

Action

The module must reside in a system LINKLIST library or in the SCF STEPLIB concatenation.

SCF2009E

```
MODULE (module) CANNOT BE LOADED, CSA SHORTAGE IS DETECTED
```

Cause

The module could not be loaded due to insufficient CSA storage.

Action

Examine CSA to determine if sufficient storage is allocated or if an errant task is not releasing storage.

SCF2010E

```
MODULE (module) FAILED TO BE LOADED
```

Cause

The module could not be loaded due to a program management error.

Action

Examine the related console messages to determine the cause of the problem.

SCF2011I

```
MODULE module RELOADED
```

Cause

The indicated module has been reloaded.

Action

None.

SCF2012I

```
WAITING FOR SRB TO COMPLETE CLEANUP
```

Cause

SRB is scheduled to complete cleanup of XM Services.

Action

None.

SCF2013E

```
FORCE CLEANUP? REPLY Y OR N
```

Cause

This message is issued when the existing processing is taking an unusually long time, which could be a sign of an abnormal condition.

Action

Reply Y to force the cleanup and continue processing. Reply N to allow more time for the existing processing to continue without forcing a cleanup.

SCF2014I

```
$SASECSA IS CORRUPTED. CLEANUP COMPLETED.
```

Cause

The termination process detected a corrupted \$SASECSA and forced a complete cleanup.

Action

None.

SCF2015I

```
GLOBAL CODE RELEASED
```

Cause

The termination process released Global Code.

Action

None.

SCF2016I

```
$SASECSA IS RELEASED
```

Cause

The termination process released \$SASECSA.

Action

None.

SCF2017E

SUBSYSTEM NOT FOUND

Cause

The subsystem name identified by the DD card was not found on the subsystem chain.

Action

Change the DD card to identify the required subsystem name and rerun the job.

SCF2018I

SUBSYSTEM IS CLEANED UP

Cause

The termination process completed the cleanup of all resources held by the subsystem.

Action

None.

SCF2019E

BAD PARM ON THE EXEC CARD

Cause

The SCF utility is invoked as a batch job and the parameter is not either TERMSCF or CLEANSCF.

Action

Change the PARM on the EXEC card and rerun the job.

SCF2020I

SCFGBLSN MODULE NOT FOUND, LFC NOT SPECIFIED, SNAP Vv.r ACTIVE

Cause

The high-level SNAP module was not found and the SNAP LFC (Licensed Feature Code) was not specified. The indicated version of SNAP was loaded.

Action

If the high-level SNAP module is needed, contact your Dell EMC sales representative to obtain a valid LFC for SNAP.

SCF2021I

SCFGBLSN MODULE FOUND, LFC NOT SPECIFIED, SNAP Vv.r ACTIVE

Cause

The high-level SNAP module was found, but the SNAP LFC (Licensed Feature Code) was not specified. The indicated version of SNAP was loaded.

Action

If the high-level SNAP module is needed, contact your Dell EMC sales representative to obtain a valid LFC for SNAP.

SCF2022I

SCFGBLSN MODULE NOT FOUND, LFC WAS SPECIFIED, SNAP Vv.r ACTIVE

Cause

The high-level SNAP module was not found, but the SNAP LFC (Licensed Feature Code) was specified. The indicated version of SNAP was loaded.

Action

Module SCFGBLSN must be made available to SCF, either in a LINKLIST dataset or one of the SCF STEPLIB or JOBLIB datasets.

SCF2023I

SCFGBLSN MODULE FOUND, LFC SPECIFIED, SNAP Vv.r ACTIVE

Cause

The high-level SNAP module was found and the SNAP LFC (Licensed Feature Code) was specified. The indicated version of SNAP was loaded.

Action

None.

SCF2025E

INVALID SCF NAME

Cause

An invalid SCF name was detected.

Action

Correct the SCF name and try again.

SCF2026E

VERSION MISMATCH IS DETECTED. CLEANUP CONTINUES FOR SCF Vv.r.m

Cause

This message is issued after CONTINUE is specified in response to message SCF2028E. SCF will clean up the Global environment and load the current version level.

Action

None.

SCF2026I

SCF SUBSYSTEM USING COMMAND PREFIX *nnnn*

Cause

The message indicates that there was either a command prefix SCF.INI.CPFX=*nnnn* parameter in the SCF initialization file or the command prefix was taken from the //SCF\$*nnnn* DD suffix that was used during SCF startup. SCF will not use "EMC" from the //SCF\$EMC DD as a default command prefix. To use "EMC" it must be SCF.INI.CPFX=EMC parameter in the SCF INI file. The SCF.INI.CPFX=*nnnn* parameter will override the //SCF\$*nnnn* DD.

Action

None.

SCF2027E

VERSION MISMATCH IS DETECTED. RESTART SCF WITH VERSION Vv.r.m OR CLEANUP AND CONTINUE WITH VERSION Vv.r.m

Cause

SCF detected that there is a global environment present that was loaded by a previous SCF initialization at a different version level.

Action

This SCF will issue message SCF2028E requesting operator response.

SCF2028E

```
CONTINUE OR TERMINATE SCF? C or T
```

Cause

This message is issued after message SCF2027E to request operator response.

Action

Reply C (CONTINUE) to have SCF initialization clean up the Global environment and load the current version level, or reply T (TERMINATE) to terminate SCF. If TERMINATE is selected, restart SCF with the previous version level and then stop it with the INI,SHUTDOWN command, or use the SCF Termination Utility to stop the global environment before restarting SCF, as described in the *ResourcePak Base for z/OS Product Guide*.

SCF2029I

```
SCFGBLSQ MODULE FOUND, API Vv.r ACTIVE
```

Cause

This message indicates the version of the TimeFinder/Clone Mainframe SNAP API interface modules loaded during SCF initialization.

Action

None.

SCF2030E

```
SRB FAILED TO SET UP XM ENVIRONMENT
```

Cause

The cross-memory environment failed to set up. Abend 2005 follows this message.

Action

Run the SCF termination utility (SCFTM31A), as described in the *ResourcePak Base for z/OS Product Guide*.

SCF2032E

```
INVALID COMMAND PREFIX SPECIFIED
```

Cause

This message indicates a program error. The prefix contains characters not in the range of 41 to FF (hex).

Action

Correct the prefix and retry.

SCF2033E

```
PREFIX ALREADY EXISTS
```

Cause

The message indicates a program error. You specified DEFINE for a prefix that already

exists. The Command Prefix Facility internally issues the MVS DISPLAY OPDATA command, which displays the command prefixes defined for subsystems in the sysplex.

Action

If you specified the wrong prefix, correct it and retry.

SCF2034E

```
PREFIX IS A SUBSET/SUPERSET OF AN EXISTING PREFIX
```

Cause

This message indicates a program error. You specified DEFINE with a prefix that is a subset or superset of an existing prefix. The Command Prefix Facility internally issues the MVS DISPLAY OPDATA command, which displays the command prefixes defined for subsystems in the sysplex.

Action

Refer to prefix subset and superset requirements. Correct the problem and retry.

SCF2035E

```
CPF ERROR, RC=rc,RS=rs
```

Cause

System error. A broadcast of an updated Command Prefix Facility table failed, or an abend occurred.

- *rc* - Specifies the return code returned from z/OS CPF DEFINE macro.
- *rs* - Specifies the reason code returned from z/OS CPF DEFINE macro.

Action

If an abend occurred, register 0 contains the abend code. Record the return code and supply it to the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF2036E

```
INTERNAL ERROR. $SASCVT CORRUPTED
```

Cause

Internal error.

Action

Recycle SCF.

SCF2037E

```
INTERNAL ERROR. $SASECSA CORRUPTED
```

Cause

Internal error.

Action

Recycle SCF.

SCF2038E

```
INTERNAL ERROR. BAD FC IN SCFLCCPF
```

Cause

Internal error.

Action
Recycle SCF.

SCF2039I

```
CPF NAME WAS NOT SPECIFIED
```

Cause
The Command Prefix Facility (CPF) for SCF is not active because the CPF name was not specified in the SCF initialization file.

Action
All console commands for SCF must be entered via MODIFY command.

SCF2040I

```
SCFGBLSN MODULE LOADED, Dell EMC SNAP Vv.r ACTIVE
```

Cause
The high-level SNAP module was found and loaded. It is available for EMCSNAP execution. Note that licensing is controlled at SNAP execution time.

Action
None.

SCF2041I

```
TM31A - {CLEANSCF|TERMSCF} Processing SCF nnnn
```

Cause
The indicated action is starting on the indicated SCF subsystem.

Action
None.

SCF2042W

```
TM31A - WARNING! SCF nnnn is currently  
active, {CLEANSCF|TERMSCF} should NOT run while SCF is active.
```

Cause
The CLEANSCF or TERMSCF action is running against an active SCF. *nnnn* indicates the SCF subsystem name.

Action
Reply to responses. Unless there is a valid reason, do not continue against an active SCF.

SCF2043W

```
TM31A - SCF nnnn SHOULD be SHUTDOWN before continuing.
```

Cause
This is a continuation of message SCF2042W.

Action
Reply to responses. Unless there is a valid reason, do not continue against an active SCF.

SCF2044I

```
TM31A - Confirm {CLEANSCF|TERMSCF} action to SCF nnnn
```

Cause

This is a continuation of messages SCF2042W and SCF2043W. *nnnn* indicates the SCF subsystem name.

Action

Reply to responses. Unless there is a valid reason, do not continue against an active SCF.

SCF2045I

TM31A - Reconfirm {CLEANSCF|TERMSCF} action to SCF *nnnn*

Cause

This is a continuation of messages SCF2042W, SCF2043W, and SCF2044I. *nnnn* indicates the SCF subsystem name.

Action

Reply to responses. Unless there is a valid reason, do not continue against an active SCF.

SCF2046A

TM31A - reply Y to continue action, C to cancel

Cause

This is a continuation of the previous messages.

Action

Reply Y to continue action or C to cancel action.

SCF2047E

TM31A - SCF\$xxxx DD is required, add SCF\$xxxx DD statement and resubmit JCL

Cause

The SCF subsystem DD statement //SCF\$xxxx DD DUMMY is missing.

Action

Add the SCF subsystem DD statement //SCF\$xxxx DD DUMMY and resubmit the JCL.

SCF2048I

TM31A - {CLEANSCF|TERMSCF} will now proceed

Cause

The reply was Y to continue with the action.

Action

None.

SCF2049E

TM31A - {CLEANSCF|TERMSCF} canceled

Cause

The reply was N to cancel the action.

Action

None.

SCF2050I

TM31A - INVALID RESPONSE, PLEASE TRY AGAIN

Cause

There was an invalid response to message SCF2046A.

Action

Reply Y to continue action or C to cancel action.

SCF2051I

TM31A - SCF *nnnn* is NOT active, continuing
{CLEANSCF|TERMSCF} action

Cause

SCF is not active and the action can continue.

Action

None.

SCF2500I

PDVHC - Pooled Devices maintenance task starting

Cause

While SCF was starting up, it initiated the health check task.

Action

None.

SCF2501I

PDVHC - Pooled Devices maintenance task ending

Cause

The health check task is ending.

Action

None.

SCF2502E

PDVHC - Initialization error

Cause

The health check task failed to start.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF2510W

PDVHC - GNS LIST request failed - RC=cccccccc RS=ssssssss

Cause

An internal GNS LIST request failed.

Action

None.

SCF2511W

```
PDVHC - GNS request for GROUP contains invalid data
```

Cause

The health check task issued a GNS request and got unexpected data.

Action

None.

SCF2512W

```
PDVHC - CONFIGGLOBAL API request failed
```

Cause

The health check task issued a CONFIGGLOBAL API call that failed. See message SCF2514W for details.

Action

None.

SCF2513W

```
PDVHC - DEVS API request failed
```

Cause

The health check task issued a DEVS API call that failed. See message SCF2514W for details.

Action

None.

SCF2514W

```
PDVHC -  
RC=aaaaaaaa EMCRC/EMCRS/EMCRCX=bbbb/cccc/dddd CCUU=ccuu MHOP=hopli  
st
```

Cause

An API request failed as indicated by a previous message. This message gives details about the failure.

Action

None.

SCF2515W

```
PDVHC - GNS DISPLAY request failed for group gnsgrp
```

Cause

The health check task issued a GNS DISPLAY request that failed. See message SCF2518W for details.

Action

None.

SCF2516W

```
PDVHC - GNS REMOVE request failed for group gnsgrp
```

Cause

The health check task issued a GNS REMOVE request that failed. See message SCF2519W for details.

Action

None.

SCF2517W

```
PDVHC - GNS EXTEND request failed for group gnsgrp
```

Cause

The health check task issued a GNS EXTEND request that failed. See message SCF2519W for details.

Action

None.

SCF2518W

```
PDVHC - RC=xxxxxxxx RS=yyyyyyyyy
```

Cause

A GNS request failed as indicated by a previous message. This message gives details about the failure.

Action

None.

SCF2519W

```
PDVHC - RC=xxxxxxxx RS=yyyyyyyyy DV#=sccuu SYMM=symmserial
```

Cause

A GNS request failed as indicated by a previous message. This message gives details about the failure.

Action

None.

SCF2521W

```
PDVHC - META API request failed
```

Cause

An API query request for meta devices failed. See message SCF2514W for details.

Action

None.

SCF2522W

```
PDVHC - Internal error - RS=xxxxxxxx tttttttttttt
```

Cause

The health check task encountered an internal error.

Action

Contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF3894W

```
DAS IS NOT ACTIVE
```

Cause

An SCF AutoSwap command has been entered, however SCF.DAS.ACTIVE is not set to YES.

Action

If AutoSwap is to be activated, change or add the SCF initialization parameter SCF.DAS.ACTIVE=YES. Issue the SCF INI,REFRESH command followed by the DAS,REFRESH command.

SCF3895E

```
DAS ENVIRONMENT IS NOT ACTIVE
```

Cause

An SCF AutoSwap command has been entered, however the AutoSwap environment has failed. This could indicate that the AutoSwap environment has abended and failed to restart.

Action

Examine the SCF log to determine the reason for the AutoSwap environment failure. SCF may need to be restarted to re-activate the AutoSwap environment. Contact Dell EMC Customer Support Center.

SCF3896I

```
text
```

Cause

This message reflects the entered AutoSwap command.

Action

None.

SCF3897I

```
DAS command COMMAND COMPLETED
```

Cause

This message indicates the completion of the entered AutoSwap command.

Action

None.

SCF3898I

```
DAS REFRESH SCHEDULED
```

Cause

This message indicates that the SCF.DAS.ACTIVE specification will be reprocessed.

Action

None.

SCF3899E

```
DAS command COMMAND FAILED
```

Cause

This message indicates that the AutoSwap command has failed.

Action

Examine the z/OS system log or SCF job log to determine the reason for the failure. Correct and re-enter the command.

SCF3997S

```
DAS TERMINATED IN ERROR
```

Cause

AutoSwap has terminated prematurely. This could indicate an abend in AutoSwap processing. This is accompanied by an ABENDU3997.

Action

Examine the SCF job log to determine the reason for the failure. If AutoSwap is not automatically restarted, then SCF may need to be restarted to re-active the DAS environment. Contact Dell EMC Customer Support Center.

SCF3998E

```
DAS COMPLETED RC:rc
```

Cause

AutoSwap has abended.

Action

Examine the SCF job log to determine the reason for the failure. See also message SCF3997S.

SCF3999I

```
DAS SERVICE MODULE EMCSNAS CANNOT BE LOCATED, RC: xxxxxxxx
```

Cause

During DAS activate processing, the EMCSNAS module could not be located. xxxxxxxx indicates the BLDL return code when attempting to locate the module.

Action

Ensure that the EMCSNAS module is available in the load library concatenation for the SCF PROC and (or) refer to the IBM documentation DFSMS Macro Instructions for Data Sets for return codes from the BLDL service.

SCF4000E

```
Flash Copy failed to initialize because module nnnnnnnn was missing.
```

Cause

During startup, a required module was not found.

Action

Install the required module from the Dell EMC installation package.

SCF4001I

```
Flash Feature has been installed.
```

Cause

The Compatible Flash installation completed successfully.

Action

None.

SCF4002I

```
Flash Feature has been disabled.
```

Cause

This message displays after Compatible Flash has completed the uninstall of the feature. The uninstall can be triggered by an SCF shutdown or a Compatible Flash DISABLE command.

Action

None.

SCF4003I

```
message-text
```

Cause

This message displays the command passed to the Compatible Flash command processor.

Action

None.

SCF4004I

```
FLS command COMMAND COMPLETED
```

Cause

The Compatible Flash user command completed successfully.

Action

None.

SCF4005I

```
FLS command failed.
```

Cause

The Compatible Flash user command was unsuccessful.

Action

Check the command and re-enter it correctly.

SCF4006I

```
FLS command failed; Flash is not licensed.
```

Cause

The required Compatible Flash licensed feature code (LFC) has not been installed.

Action

Contact your Dell EMC sales representative to obtain a valid LFC for Compatible Flash.

SCF4007I

```
FLS command failed; Flash environment not found.
```

Cause

The SCF environment for Compatible Flash has not been activated or it has been stopped.

Action

Enable Compatible Flash before issuing commands to it.

SCF4008I

```
FLS command failed; Flash is already enabled.
```

Cause

The ENABLE command was not processed because the environment was already active.

Action

None.

SCF4009I

```
FLS command failed; Flash is already stopped.
```

Cause

The DISABLE command was not processed because the environment was stopped.

Action

None.

SCF4011I

```
Controller symm-serial is currently using CCUU ccuu, Symm device  
{symdv#|*NonEMC*} as its SCF gatekeeper
```

Cause

The specified storage system is using the specified device as its SCF gatekeeper.

Action

None.

SCF4012I

```
FLS command COMMAND not accepted, Flash environment is stopped.
```

Cause

The SCF environment for Compatible Flash has not been activated or it has been stopped.

Action

Start Compatible Flash before issuing commands to it.

SCF4013I

```
FLS command COMMAND not processed due to incomplete environment  
initialization.
```

Cause

The SCF environment for Compatible Flash has not completed initialization.

Action

Wait a few seconds and try the command again. If the command continues failing, use the DISABLE command to stop Compatible Flash. After the DISABLE has been processed, use the ENABLE command to restart Compatible Flash.

SCF4014I

```
FLS command COMMAND requires 16 hex digits. Syntax  
is FLS,DEBUG(XXXXXXXX,XXXXXXXX).
```

Cause

You made a mistake entering the command.

Action

Re-enter the command correctly.

SCF4015I

Format 1:

```
ccuu {ccuu| (ccuu-ccuu)} found and are Flash enabled.
```

Format 2:

```
ccuu {ccuu| (ccuu-ccuu)} found but Flash has been disabled.
```

Format 3:

```
ccuu {ccuu| (ccuu-ccuu)} not emulated Flash devices.
```

Format 4:

```
ccuu {ccuu| (ccuu-ccuu)} managed by SCF(jobname).
```

Cause

Format 1: The device or device range is being managed by Compatible Flash.

Format 2: The device or device range was being managed by Compatible Flash. Someone has explicitly entered a command to remove one or more devices from the Compatible Flash environment.

Format 3: The device or device range is unknown to Compatible Flash.

Format 4: The device or device range is managed by the specified SCF.

Action

None.

SCF4016I

```
FLS command COMMAND requires 4 hex digit value and a 2 hex digit value. Syntax is FLS,PHASE(ccuu,xx).
```

Cause

A mistake was made entering the command.

Action

Re-enter the command correctly.

SCF4018I

```
FLS - Flash still has count active requests. Waiting for active requests to complete.
```

Cause

There are outstanding I/O requests against Compatible Flash enabled devices. Shutdown is waiting for the requests to complete before uninstalling Compatible Flash. Compatible Flash is in a quiesced state and will not accept new requests; any outstanding requests will complete.

Action

Wait.

SCF4020I

```
Device discovery is complete
```

Cause

Device discovery completed.

Action

None.

SCF4025E

```
Flash requires SNAP 5.6.0 (001) or later found SNAP TION FLASH disabled
```

Cause

No maintenance has been applied to the base TimeFinder/Clone Mainframe Snap Facility product.

Action

Apply all maintenance to TimeFinder/Clone Mainframe Snap Facility. Verify that all appropriate Compatible Flash operating environment patches have been applied for the operating environment you are running.

SCF4030E

```
Flash Copy failed to initialize because LPA load failed RC=rc, RS=rs.
```

Cause

A required module failed to load.

Action

Install the required module from the Dell EMC installation package.

SCF4033I

```
Compatible Flash was not enabled on controller symmserial,  
Engenuity level xxxx is too old.
```

Cause

Compatible Flash discovery determined that the indicated storage system is not eligible for Compatible Flash because its operating environment level is too old.

Action

Contact Dell EMC Customer Support Center in determining the required operating environment level and install the operating environment.

SCF4034I

```
Symm ser # symmserial mclvl xxxx is Native Flash capable.  
Compatible Flash withdrawn.
```

Cause

Compatible Flash determined that the indicated storage system at operating environment level xxxx is Native Flash capable.

Action

If Native Flash support has not been enabled on the storage system and you want Flash support, then enable Native Flash support in the storage system.

SCF4035I

```
Validate that Native Flash is enabled.
```

Cause

Compatible Flash determined that a Dell EMC storage system is Native Flash compatible. See the preceding message SCF4034I for specific details.

Action

If you desire Native Flash support and it is enabled in the storage system you may ignore this message.

SCF4150W

```
FLS COULD NOT RESET FLASHCOPY ON DEVICE ccuu, USE "VARY
ONLINE,ccuu,UNCOND."
```

Cause

Compatible Flash was unable to reset a device.

Action

Follow the instructions in the message.

SCF4152I

```
FLS REQUEST ENDING FOR JOBNAME jobname
```

Cause

The I/O request against a Compatible Flash enabled device is completed for the specified jobname.

Action

None.

SCF4300I

```
CONTROLLER symmserial is missing one or more of the following
required FLASH patches.
```

Cause

A required Compatible Flash operating environment patch is missing.

Action

None.

SCF4300W

```
REQUIRED PATCHES FOR symmserial ARE: patch-list
```

Cause

A required Compatible Flash operating environment patch is missing.

Action

Install the specified patch.

SCF4303I

```
message-text
```

Cause

The parser was invoked to parse a command.

Action

None.

SCF4306I

```
REG command COMMAND COMPLETE
```

Cause

Service Release Registration was issued and completed.

Action

None.

SCF4310E

```
REG command COMMAND FAILED
```

Cause

Service Release Registration was issued and failed.

Action

Correct the command and reissue.

SCF4311E

```
REG command Command failed - registration (REG) environment not found.
```

Cause

Service Release Registration was issued and REG environment not found.

Action

Check the active SCF for correct release.

SCF4312I

```
SRX command COMMAND not accepted, Scratch Exit environment is stopped.
```

Cause

An operator command was issued to the SRX environment. However, this particular environment does not appear to be started. This can occur during SCF startup prior to the environment completing initialization.

Action

Wait for SCF startup to complete and reissue the command. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center.

SCF4313E

```
DEV command not processed due to incomplete environment initialization.
```

Cause

The zBoost PAV Optimizer command could not be processed as initialization processing is not complete. This message would generally only occur during SCF startup prior to zBoost PAV Optimizer being initialized.

Action

If this message is issued during SCF startup processing, then wait for SCF to complete initialization. Otherwise, check for any SCF startup issues. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center.

SCF4315I

message-text

Cause

This is an internal diagnostic message.

Action

None.

SCF4316I

REG *command* Command not accepted - registration environment is stopped.

Cause

Service Release Registration was issued and REG environment is stopped.

Action

Enable the REG environment.

SCF4317E

REG *command* Command not processed due to incomplete environment initialization.

Cause

Service Release Registration was issued and REG environment is not fully started.

Action

Wait until the REG environment is started.

SCF4318I

message-text

Cause

The message provides detail lines for REG reports.

Action

None.

SCF4330E

SRX *mmmmmmmm* LOAD failed: *reason (diagnostic_codes)*

Cause

The indicated module *mmmmmmmm* could not be successfully loaded as described by the following reason:

- Storage shortage
- Not found
- LOAD error
- Loaded routine not expected routine

Action

Verify that SCF is installed correctly and that there is not a conflicting module by the same name for a different product in the same library sequence.

SCF4331W

```
SRX global will be refreshed. Version is vrm, level is lllllllll,  
should be version vrm, level lllllllll
```

Cause

On startup, the current global areas maintained by SRX are not at the correct level. A new global environment will be loaded.

Action

None.

SCF4332E

```
SRX iiiiiii interface processing failed rc,rsn,info
```

Cause

SRX interface processing failed. This is a diagnostic message for Dell EMC Technical Support.

Action

See other messages generated prior to this message, in particular, the SCF44xx series messages. If the reason for failure cannot be determined, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF4333E

```
SRX global is not at the correct level. Version is vrm, level is  
lllllllll, should be version vrm, level lllllllll
```

Cause

On startup, the global areas maintained by SRX are not at the correct level. The loaded version does not match the expected version.

Action

This indicates an installation issue. Verify that the correct levels of ESFHGLBL and ESFHM00 are available in the SCF concatenated libraries.

SCF4334E

```
SRX global will be reloaded. Current global cannot be identified.
```

Cause

On startup the global modules maintained by SRX did not appear valid and will automatically be reloaded.

Action

None.

SCF4335I

```
SRX global interfaces loaded @xxxxxxx [reused]
```

Cause

On startup, this indicates the address where the global areas maintained by SRX are loaded. [reused] indicates that the global is being reused from a previous start, as the area is still compatible.

Action

None.

SCF4336I

```
SRX global refresh requested
```

Cause

On startup, this indicates that the global areas maintained by SRX are still compatible but will be refreshed due to an explicit SCF.SRX.REFRESH=YES.

Action

None.

SCF4337I

```
message-text
```

Cause

This is an internal diagnostic message.

Action

None.

SCF4338W

```
REG command Command rejected. A REFRESH is in progress - internal tables are being updated.
```

Cause

Service Release Registration was issued and an internal refresh is in progress.

Action

Wait until Command Complete and reissue the command.

SCF4339W

```
REG LISTGRP command unsuccessful. The specified application group name is invalid.
```

Cause

The application group name is invalid. The group name must be in the manifest list.

Action

Issue REG SUMMARY to see the valid groups. Reissue the command.

SCF4340I

```
REG Environment started
```

Cause

SCF has started the REG environment.

Action

None.

SCF4341I

```
REG Environment Ended
```

Cause

SCF has ended the REG environment.

Action

None. You cannot issue any commands.

SCF4342W

```
REG Command ignored. Environment is disabled - use REG,ENABLE to enable.
```

Cause

Service Release Registration was issued and the environment is disabled.

Action

Enable REG environment via REG ENABLE.

SCF4343W

```
REG Command invalid found: text
```

Cause

Service Release Registration was issued and the syntax was invalid.

Action

Correct the invalid syntax and reissue the command.

SCF4344I

```
message-text
```

Cause

This is an internal diagnostic message.

Action

None.

SCF4345I

```
DEV device ccuu host attributes set : Read Only
```

Cause

The Read Only host attribute was set on the indicated device. For example, a valid CUU was specified on the SCF initialization parameter SCF.DEV.ATTR.HRO.INCLUDE.LIST, resulting in the Host Read Only attribute to be set on the device.

Action

None.

SCF4346I

```
DEV device ccuu host attributes reset
```

Cause

Host attributes have been reset for the indicated device. For example, a valid CUU was removed from the SCF initialization parameter SCF.DEV.ATTR.HRO.INCLUDE.LIST or added to the SCF initialization parameter SCF.DEV.ATTR.HRO.EXCLUDE.LIST, causing the Host Read Only attribute to be reset on the device.

Action

None.

SCF4347I

```
message-text
```

Cause

This is an internal diagnostic message.

Action

None.

SCF4348E

```
REG Registration failed because SCF is not active or no  
controllers were found.
```

Cause

You entered service release registration command REGISTER, and registration has failed because SCF is not active or no storage systems are found.

Action

Check the SCF subsystem name on the SCF\$*nnnn* DD statement in the job step and ensure that the subsystem name is specified correctly. Also, ensure that your SCF has discovered at least one storage system, because registration cannot occur if there are no storage systems to register with.

SCF4349I

```
message-text
```

Cause

This is an internal diagnostic message.

Action

None.

SCF4350E

```
message-text
```

Cause

This is an internal diagnostic message.

Action

None.

SCF4351W

```
message-text
```

Cause

This is an internal diagnostic message.

Action

None.

SCF4352I

```
message-text
```

Cause

This is an internal diagnostic message.

Action

None.

SCF4354W

```
message-text
```

Cause

This is an internal diagnostic message.

Action

None.

SCF4355I

```
DEV device ccuu (volser) OPTIMIZE reset
```

Cause

An SCF initialization file or configuration change has occurred such that the indicated device is no longer under zBoost PAV Optimizer or Mirror Optimizer control. *volser* is the volume label if the device is online, or ***offl* if the device is offline. This message is only displayed when SCF.DEV.OPTIMIZE.VERBOSE=YES is specified.

Action

None.

SCF4356I

```
DEV device ccuu (volser) OPTIMIZE set: type (mode)
[Mirror_status][PAV_status] [zHPF_status] [consistency_status]
```

Cause

An SCF initialization file or configuration change has occurred such that the indicated device is now under optimizer control.

volser is the volume label if the device is online, or ***offl* if the device is offline.

- *type*
Is the optimizer type: PAV, MIR, or MIR-S. MIR-S indicates a Mirror Optimizer secondary (R2) device.
- *mode*
Optimizer mode as set by the SCF.DEV.OPTIMIZE.type initialization parameter or SELECT statements:
 - *basic monitor* — Basic monitoring is active. Only the basic zHPF statistics is maintained.
 - *read/write* — Optimizer processing is performed on read and write channel programs. Applies to zBoost PAV Optimizer only.
 - *read only* — Optimizer processing is performed on read channel programs only. Passive monitoring is active on write channel programs. Applies to zBoost PAV Optimizer only.
 - *write only* — Optimizer processing is performed on write channel programs only. This applies to both zBoost PAV Optimizer and Mirror Optimizer. Passive monitoring is active on write channel programs.
 - *passive monitor* — Monitor and maintain the optimizer statistics. No further processing is performed to optimize the read or write processing.
- *Mirror_status*
Is the current state of the PowerMax or VMAX HyperWrite. This applies to Mirror Optimizer only. Where a non-active or activate error is indicated, the F *emcscf*, DEV, OPTIMIZE REFRESH FULL command may be necessary to re-evaluate the Mirror Optimizer configuration. This runs against all devices including those that the F *emcscf*, DEV, OPTIMIZE DIS DEV ALL MROEXCEPTION command detected as being no longer active. Where indicated by the command output, an F *emcscf*, DEV, OPTIMIZE REFRESH FULL command is necessary so that Mirror Optimizer

can re-evaluate devices in an exception state.

- `Pend`
The device is pending active to a HyperWrite state. Mirror Optimizer activates automatically once the HyperWrite state is detected as active.
- `Act`
The device is in an active HyperWrite state.
- `ActErr`
Mirror Optimizer has attempted to set the HyperWrite state. However, a failure was detected during the activation process. Refer to additional messages generated by Mirror Optimizer during activation processing.
- `NotAct [(+clear)]`
Mirror Optimizer has detected that the HyperWrite state is not active. Mirror Optimizer performs additional processing to put devices in a HyperWrite active state. Additional messages appear during this process. Once the HyperWrite state is detected as active, Mirror Optimizer becomes active. Where Mirror Optimizer performs additional processing to clean up a prior HyperWrite state, `(+clear)` status is shown.
- `NotSup`
Mirror Optimizer cannot activate on the device as the storage system is not at the required operating environment level. The minimum operating environment level is HYPERMAX OS 5977.1125 with patch 96960. Only passive or basic monitoring is allowed.
- `Pact (R1|R2 only)`
The device is in a partially active HyperWrite state. Either `R1 only` or `R2 only` follows to indicate which device is active.
- `TermI`
Mirror Optimizer has been detected as terminated during I/O processing.
- `TermS`
Mirror Optimizer has been detected as terminated during Mirror Optimizer configuration processing.
- `ValInc`
SRDF/S validation is incomplete. An error was detected during validation of the R2 device. Refer to other messages such as SCF4388W to determine the reason.
- `PAV_status`
Indicates the currently known, transition, or active PAV state:
 - `**Now HyperPAV` — Device has transitioned from non-HyperPAV to HyperPAV.
 - `**Not HyperPAV` — The device is defined as PAV and not HyperPAV.
 - `**Not PAV` — Device is not defined as PAV. In this case, zBoost PAV Optimizer processing will not be performed for the device whether or not the read and (or) write mode setting is enabled for the device.
- `zHPF_status`
Indicates the currently known, transition, or active zHPF state:
 - `**Now zHPF` — Device has transitioned from non-zHPF to zHPF.
 - `**Not zHPF` — The device is defined as non-zHPF and no PAV optimization will be performed for the device. Note that this can be indicated for offline devices even though zHPF is active on the LPAR and the device is eligible for zHPF. In this instance, the device will be seen as zHPF once the device is varied online. zBoost PAV Optimizer will be active on the device at that point and some

time later will indicate ****Now** zHPF when the device is next evaluated.

- *consistency_status*

Indicates whether the device is exempt from consistency processing:

- ****Exempt** — The device has been set as consistency exempt. This means that the device can continue to perform write processing during a consistency write suspend event.

This message is only displayed when SCF.DEV.OPTIMIZE.VERBOSE=YES is specified.

Action

None.

SCF4357I

```
DEV OPTIMIZE.{MIR|PAV}.VOLSER.INCLUDE=volser VOLSER not ONLINE
```

Cause

During zBoost PAV Optimizer or Mirror Optimizer configuration processing, the indicated volser could not be located for the specified SCF.DEV.OPTIMIZE.{MIR|PAV}.VOLSER.INCLUDE statement. The volser is ignored and will not be part of the optimizer configuration.

Action

If necessary, vary the required volser online and issue an INI,REFRESH command to re-evaluate the optimizer configuration.

SCF4358I

```
DEV OPTIMIZE.{MIR|PAV} updated uuuuuuuu, set ssssssss, reset rrrrrrrr, state changed cccccccc devices
```

Cause

Summary message following zBoost PAV Optimizer or Mirror Optimizer configuration processing to indicate changes to the current configuration:

- *uuuuuuuu* - Number of devices affected by an SCF initialization parameter setting.
- *ssssssss* - Number of devices that are now optimized for the indicated type.
- *rrrrrrrr* - Number of devices that are no longer optimized for the indicated type.
- *cccccccc* - Number of devices that changed state to or from zHPF and (or)

HyperPAV.

Action

None.

SCF4359I

```
message-text
```

Cause

This is an internal diagnostic message.

Action

None.

SCF4360I

```
DEV cannot determine PAV status for device ccuu [:rsn]
```

Cause

During zBoost PAV Optimizer configuration processing, an issue was detected when trying to determine the PAV or HyperPAV state of the indicated device. The appended reason further describes the issue:

- `UCBINFO PAVINFO RC/RS xxxxxxxx/yyyyyyyy` — The IBM UCBINFO PAVINFO service failed for the indicated reason. Contact the Dell EMC Customer Support Center.
- `IOPM RC/RS xxxxxxxx/yyyyyyyy` — The IBM I/O path management service failed for the indicated reason. This is a secondary issue message whereby other messages may indicate additional device connectivity issues. Displayed only if `SCF.DEV.OPTIMIZE.VERBOSE=YES` is specified.
- `volume label cannot be read` — The indicated device cannot be HyperPAV initialized as the device does not have a readable VOL1 (volser) label. This could indicate that the device is in a NRDY state or has not yet been initialized. Displayed only if `SCF.DEV.OPTIMIZE.VERBOSE=YES` is specified.
- `no configured alias` — The indicated base device does not have any configured HyperPAV alias. zBoost PAV Optimizer processing has attempted to condition the device, however no configured alias could be located. Issue `D M=DEV(ccuu)` to examine the HyperPAV configuration for the device. This could indicate a configuration or Symmetrix bin file issue.

Action

As described for each reason above.

SCF4362W

```
DEV device ccuu OPTIMIZE not applicable [:rsn]
```

Cause

The indicated device is not applicable for the indicated reason:

- `Device creation failed` — Optimizer processing failed to create the required internal device blocks. Contact the Dell EMC Customer Support Center.
- `Non-Dell EMC device` — The device is not a Dell EMC device. Optimization is only applicable to Dell EMC devices.
- `Dell EMC SYSCALL blocked` — The device has SYSCALL blocking enabled which prevents Mirror Optimizer from becoming active. Refer to the PowerMax or VMAX access control feature for more information.
- `FBA device` — The device is an FBA device. Optimization is only applicable to CKD devices.
- `UCB condition(condition/diag_rc)` — The device UCB is not accessible for the indicated condition and indicates an accessibility issue to the device. For example, the device is boxed. Verify access to the UCB using the `DS P,ccuu,1` command. After resolving the accessibility issue, use the `INI,REFRESH` command to initiate optimizer configuration processing. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center.

This message is only displayed when `SCF.DEV.OPTIMIZE.VERBOSE=YES` is specified.

Action

As indicated in the reasons above or none.

SCF4363W

```
DEV OPTIMIZE.{MIR|PAV}.STORGRP.INCLUDE=storgrp could not be processed [:reason]
```

Cause

During zBoost PAV Optimizer or Mirror Optimizer configuration processing, the indicated SMS storage group could not be processed for the specified

SCF.DEV.OPTIMIZE.{MIR|PAV}.STORGRP.INCLUDE for the indicated reason:

- storage group not found — The storage group could not be located. The storage group is ignored and will not be part of the optimizer configuration.
- SMS service RC/RS *xxxxxxxx/yyyyyyyy* — The SMS Construct Access Services call failed for the indicated reason. Contact the Dell EMC Customer Support Center.
- no SMS results area returned — No devices were returned for the storage group.

Action

To determine if the SMS storage group is properly defined, use the ISMF ISPF application or issue the `D SMS,STORGRP(storgrp)` command. If the reason for failure cannot be determined, contact the Dell EMC Customer Support Center.

SCF4364W

```
OPTIMIZE.{MIR|PAV}.ENABLE=[YES|NO] overridden by command
```

Cause

This message is displayed during INI,REFRESH processing to indicate the specified SCF.DEV.OPTIMIZE.{MIR|PAV}.ENABLE parameter setting in the SCF initialization file is being overridden by the prior issuance of a DEV,OPTIMIZE ENABLE or DEV,OPTIMIZE DISABLE command. The command always overrides the value specified in the SCF initialization file.

Action

None.

SCF4365E

```
DEV OPTIMIZE.{MIR|PAV} device list cannot be processed due to prior error
```

Cause

A parameter error in the device include or exclude lists has been detected during configuration processing of the indicated optimizer *type* which prevents further device list processing. This could result in a null or partial optimizer device configuration.

Action

See prior SCF0442E messages indicating errors in the device include or exclude list specifications. After resolving any issues, issue an INI,REFRESH command to initiate optimizer configuration processing.

SCF4366W

```
DEV OPTIMIZE.PAV SSID ssid has nnn [HyperPAV]|[PAV] base device(s) and no configured aliases
```

Cause

During zBoost PAV Optimizer device configuration processing, the indicated SSID has the indicated number of HyperPAV or PAV base devices had no alias defined. This could indicate a configuration or Symmetrix bin file issue.

PAV Optimizer will allow monitoring but will skip split processing for these base devices. A common reason for this message is when devices are defined as 3390B's in the IODF but have no alias defined in the Symmetrix bin file. This is not necessarily an error but does prevent zBoost PAV Optimizer from performing split processing.

Action

If zBoost PAV Optimizer is not relevant to these devices (i.e. they are not being monitored for possible inclusion to zBoost PAV Optimizer), remove them from the SCF.DEV.OPTIMIZE.PAV.INCLUDE.LIST specification or exclude them using SCF.DEV.OPTIMIZE.PAV.EXCLUDE.LIST.

In other cases, refer to any prior IOS messages that could indicate a HyperPAV transition error.

In addition, issue the D M=DEV(ccuu), DS QP,ccuu,HPAV, and DS QP,ccuu,VOLUME operator command for any base device in the indicated subsystem to examine the number of configured alias device. Then verify that the Symmetrix bin file settings are correctly defined for the SSID. For HyperPAV, it might be necessary to perform a HyperPAV transition either by using a VARY ccuu,ONLINE,UNCOND for any base device in the SSID or using SETIOS HYPERPAV=NO followed by YES to force a HyperPAV transition. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center.

SCF4367I

```
DEV OPTIMIZE.PAV SSID ssid HyperPAV quiesce point set to qq from  
LCU.PCT=pp
```

Cause

During zBoost PAV Optimizer device configuration processing, the indicated SSID had its quiesce point set to a count of *qq* as a result of the SCF.DEV.OPTIMIZE.PAV.QUIPOINT.LCU.PCT=*pp* specification in SCFINI.

This message is only displayed when SCF.DEV.OPTIMIZE.VERBOSE=YES is specified.

Action

None.

SCF4368W

```
DEV OPTIMIZE.PAV SSID ssid has [nn non-HyperPAV base] [and] [zz non-  
zHPF] device(s)
```

Cause

During zBoost PAV Optimizer device configuration processing, the indicated SSID was not in an optimal state for zBoost PAV Optimizer processing. Additional detail is added to indicate where HyperPAV and (or) zHPF is not active for the SSID.

Action

Verify the HyperPAV and zHPF IOS settings using the D IOS,HYPERPAV and D IOS,ZHPF commands to ensure that both HyperPAV and zHPF are set to YES. Where necessary, issue the SETIOS HYPERPAV=YES and (or) SETIOS ZHPF=YES operator commands. In addition, verify that the devices contained in the SSID are defined as PAV base devices and that the Symmetrix bin file settings are correct for HyperPAV and zHPF.

SCF4369I

```
DEV OPTIMIZE.PAV SSID ssid has nn consistency exempt device(s)
```

Cause

During zBoost PAV Optimizer device configuration processing, the indicated SSID had *nn* consistency exempt devices. These are devices defined in the SCFINI SCF.DEV.OPTIMIZE.CONSISTENCY.EXEMPT.LIST device list. These devices do not undergo write suspend processing from Dell EMC consistency product solutions.

Action

None.

SCF4370I

```
DEV HyperPAV condition detected for device sccuu [:rsn]
```

Cause

During zBoost PAV Optimizer configuration processing, an issue was detected when trying to condition (set) or determine the HyperPAV state for the indicated device. The device may be an alias or base depending on the condition.

The appended reason further describes the issue:

- `HyperPAV alias detected BOXed during scan` — zBoost PAV Optimizer configuration is performing a full unbound alias scan and has detected that the indicated HyperPAV alias had been BOXed. These alias devices might or might not be part of the zBoost PAV Optimizer configuration. An attempt will be made to unbox the alias device. An additional SCF4370I message will be displayed to indicate the success or failure of this unbox processing. (Displayed only when `SCF.DEV.OPTIMIZE.VERBOSE=YES` is specified).
- `HyperPAV alias now UNBOXed during scan` — The indicated HyperPAV alias was successfully unboxed following `HyperPAV alias detected BOXed during scan` detection.
- `HyperPAV alias UNBOX failed during scan` — The indicated HyperPAV alias failed to unbox within the required unbox window (1 second) following `HyperPAV alias detected BOXed during scan` detection. If necessary, issue the QS GP,*sccuu*,UNBOX operator command.
- `UCBINFO HYPERPAVALIASES RC/RS xxxxxxxx/yyyyyyyy` — Contact the Dell EMC Customer Support Center.
- `HyperPAV aliases are not defined` — HyperPAV alias devices were not defined for the indicated base device. (Displayed only when `SCF.DEV.OPTIMIZE.VERBOSE=YES` is specified).
- `HyperPAV alias is in incorrect state` — The indicated alias device is indicated as being non-HyperPAV even though the base device is defined as HyperPAV. (Displayed only when `SCF.DEV.OPTIMIZE.VERBOSE=YES` is specified).
- `HyperPAV alias cannot be found` — The indicated alias device cannot be located using UCBLook. This could indicate a device configuration issue.
- `HyperPAV alias detected as BOXed` — During specific alias processing using UCBINFO HYPERPAVALIASES processing, the indicated alias has been detected as BOXed. These alias devices are part of the zBoost PAV Optimizer configuration and must be unboxed before zBoost PAV Optimizer can utilize the devices. An additional SCF4370I message will be displayed to indicate the success or failure of this unbox processing. (Displayed only when `SCF.DEV.OPTIMIZE.VERBOSE=YES` is specified).
- `HyperPAV alias now UNBOXed` — The indicated HyperPAV alias was

- **successfully unboxed following HyperPAV alias detected BOXed detection.**
- HyperPAV alias UNBOX failed during scan — **The indicated HyperPAV alias failed to unbox within the required unbox window (30 seconds) following HyperPAV alias detected BOXed detection. If necessary, issue the QS QP, sccuu,UNBOX operator command.**
- HyperPAV alias IOPM RC/RS xxxxxxxx/yyyyyyy — **During alias unbox processing, the IBM IOPM service returned an error condition.**

Action

Verify the alias state for the indicated device by issuing the DS QP,sccuu,UCB operator command. In addition, verify that the PowerMax or VMAX bin file settings for HyperPAV are correct for the indicated device and that the operating system configuration is correctly defining the alias and base devices. Where the alias is indicated as boxed or continues to be boxed, then additional DS QP,sccuu,UNBOX operator commands may be necessary to return the alias devices to the alias pool. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center.

SCF4371I

OPTIMIZE:

```
[** Optimize processing is not installed **]
[** Optimize processing is not active **]
```

Cause

The optimizer command could not be processed for the indicated reason. This message would generally only occur during SCF startup prior to optimizer being initialized.

Action

If this message is issued during SCF startup processing, then wait for SCF to complete initialization. Otherwise, check for any SCF startup issues. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center.

SCF4372I

```
OPTIMIZE DISPLAY GLOBAL [SUMMARY][EVENTS] [ - continued cc]:
[SummaryDisplay
SMF recording is [OFF][ON, record ID is SMFRECID
Last SMF interval was on dd/mm/yy at hh:mm:ss]
[PAV Optimization is OFF [(basic zHPF monitor only)]
[PAV Optimization is ON]
[Mirror Optimization is OFF [(basic zHPF monitor only)]
[Mirror Optimization is ON]
[PAV Optimization is READ only with passive WRITE]
[PAV Optimization is WRITE only with passive READ]
[PAV Optimization is passive]
```

Optimization parameters in effect

SCF.DEV.OPTIMIZE.VERBOSE=[NO|YES]

OPTIMIZE.PAV

pav_parameters_list

OPTIMIZE.MIR

mir_parameters_list

[SCF.DEV.OPTIMIZE.PAV.JOBNAME list:

```

Jobname  Match count
-----  -
jobname          count
]
[SCF.DEV.OPTIMIZE.PAV.JOBPREFIX list:
Jobname  Match count
-----  -
prefix          count
]
[SCF.DEV.OPTIMIZE.PAV.SRVCLASS list:
SrvClass Match count
-----  -
class          count
]
[SCF.DEV.OPTIMIZE.MIR.JOBNAME list:
Jobname  Match count
-----  -
jobname          count
]
[SCF.DEV.OPTIMIZE.MIR.JOBPREFIX list:
Jobname  Match count
-----  -
prefix          count
]
[SCF.DEV.OPTIMIZE.MIR.SRVCLASS list:
SrvClass Match count
-----  -
class          count
]
]
[EventDisplay
      Event Type          Count
-----  -
Non-specific Logged          e1
Non-specific                  e2
Read Logged                   e3
Read                          e4
Write Logged                   e5
Write                          e6
Build Error Logged            e7
I/O Error Logged              e8
]

```

Cause

The Optimizer DISPLAY SUMMARY or DISPLAY EVENTS command was processed to show global status. If there are too many lines to display in a 32K buffer, the message will be written over multiple MLWTOs.

- *SummaryDisplay* shows the current SCF initialization parameters in effect and when global operations were last performed. The jobname lists are optionally displayed where the SCF.DEV.OPTIMIZE.type .JOBNAME.LIST and (or) SCF.DEV.OPTIMIZE.type.JOBPREFIX.LIST were specified along with the associated match count for each of these jobnames. Where a jobname match has occurred with both a value in SCF.DEV.OPTIMIZE.type.JOBNAME.LIST and SCF.DEV.OPTIMIZE.type.JOBPREFIX.LIST, the counters maintained and displayed will reflect the match on SCF.DEV.OPTIMIZE.type.JOBNAME.LIST only
- *EventDisplay* shows the different event categories and their accumulated counts

e1 to e8. Logged events have a record written to LOGREC are generally events of some importance. Unlogged events indicate a unimportant situation where the optimizer has, for example, skipped the optimization of a channel program for some reason.

Build Error Logged and I/O Error Logged could indicate an issue in optimizer processing. If these counters reach a certain threshold then messages SCF4496E and (or) SCF4497E could be displayed and processing will be disabled. If this occurs, contact the Dell EMC Customer Support Center. See also SCF4496E and SCF4497E.

Action

As indicated in each display above.

SCF4373I

```
OPTIMIZE DISPLAY DEVICE [SUMMARY][EVENTS] [ - continued cc]:
[Device start ssss cannot be > end eeee]
[Device ssss is not defined for OPTIMIZE]
[No devices defined for OPTIMIZE]
[No devices in range sssss-eeeeee are defined for OPTIMIZE]
[No device in range ssss-eeee in the active subchannel set are defined
for OPTIMIZE]
[PAVO skipped; not allowed by security]
[MIRO skipped; not allowed by security]

[SummaryDisplay
Unit  SSID   Type                Optimized   Skipped     Track      Split
-----  -
Min Max Min Max
-----  -
sccuu ssid
[          Read Monitor      000000000000 ssssssssssss T1 T2 S1 S2
|          Read PAVO         000000000000 ssssssssssss T1 T2 S1 S2
|          Read PAVO Passive  000000000000 ssssssssssss T1 T2 S1 S2
]
          Read PAVO non-PAV  ----- ssssssssssss --- --- --- ---
[==>ttttt Read MIRO          000000000000 ssssssssssss T1 T2 --- ---
|<==uuuuu Read MIRO-S       000000000000 ssssssssssss T1 T2 --- ---
]
[          Write Monitor      000000000000 ssssssssssss T1 T2 S1 S2
|          Write PAVO         000000000000 ssssssssssss T1 T2 S1 S2
|          Write PAVO-S       000000000000 ssssssssssss T1 T2 S1 S2
|          Write PAVO Passive  000000000000 ssssssssssss T1 T2 S1 S2
]
          Write PAVO non-PAV  ----- ssssssssssss --- --- --- ---
          Write PAVO SUSPEND  ----- ssssssssssss --- --- --- ---
          Write PAVO Exempt   000000000000 ----- --- --- --- ---
[==>ttttt Write MIRO          000000000000 ssssssssssss T1 T2 --- ---
|<==uuuuu Write MIRO-S       000000000000 ----- T1 T2 --- ---
]
          Write MIRO Exempt   000000000000 ----- --- --- --- ---
          Write MIRO SUSPEND  000000000000 ----- --- --- --- ---

          Pending MIRO-S      ----- ssssssssssss --- --- --- ---
          Inactive MIRO-S     ----- ssssssssssss --- --- --- ---
          Non-zHPF MIRO-S    ----- ssssssssssss --- --- --- ---
          Constituent IO      cccccccccccc lllllllllllll --- --- --- ---

[Note : MIRO pending
[Note : MIRO partially active on R1 only
```

```

|Note : MIRO partially active on R2 only
|Note : MIRO activation error
|Note : MIRO termination detected during IO
|Note : MIRO implicit termination detected by status
|Note : MIRO not active
|Note : MIRO not supported
|Note : MIRO validation incomplete
|Note : REFRESH FULL required to re-activate
]

[EventDisplay
Unit SSID      Event Type          Count
-----
dddd ssid Non-specific Logged          e1
           Non-specific              e2
           Read Logged                e3
           Read                      e4
           Write Logged               e5
           Write                     e6
           Build Error Logged         e7
           I/O Error Logged           e8
]
[Note : Optimization DISABLED at device level due to error threshold]

[No devices processed]
[Devices processed : cc]

```

Cause

The Optimizer DISPLAY DEVICE SUMMARY or DISPLAY DEVICE EVENTS command was processed for a range of devices:

- [- continued cc] - If there are too many lines to display in a 32K buffer, the message is written over multiple MLWTOs.

```

[Device start ssss cannot be > end eeee]
[Device ssss is not defined for OPTIMIZE]
[No devices defined for OPTIMIZE]
[No devices in range sssss-eeee are defined for OPTIMIZE]
[No device in range ssss-eeee in the active subchannel set are
defined for OPTIMIZE]
[PAVO skipped; not allowed by security]
[MIRO skipped; not allowed by security]

```

Indicates a command parameter error. Verify that SCF has completed initialization, zBoost PAV Optimizer and (or) Mirror Optimizer is enabled, the required level of security is set for the issuing user ID, and (or) reissue the command with a valid device range.

- *SummaryDisplay* - Displays a line for each device (*sccuu*) and the possible zBoost PAV Optimizer and Mirror Optimizer types to show how many channel programs were processed. See the *ResourcePak Base for z/OS Product Guide* for information about output fields.
- The following notes indicate an unusual status:
 - Note : MIRO pending - Mirror Optimizer is currently waiting on HyperWrite conditioning in the storage system. Once HyperWrite is active in the storage system, Mirror Optimizer will become active. This status is normal during initial Mirror Optimizer processing on a device.
 - Note : MIRO partially active on R1 only - During validation

- processing, it was noticed that HyperWrite is only active in the R1 storage system. This could indicate that another product has requested the termination of Mirror Optimizer, for example, during consistency trip processing. Refer to other messages to determine the reason. Where indicated by the additional Note : REFRESH FULL required to re-activate, a DEV OPTIMIZER REFRESH FULL command might be required to reactivate Mirror Optimizer.
- Note : MIRO partially active on R2 only - During validation processing, it was noticed that HyperWrite is only active in the R2 storage system. Mirror Optimizer will attempt to activate HyperWrite on the R1 device. Where indicated by the additional Note : REFRESH FULL required to re-activate, a DEV OPTIMIZER REFRESH FULL command might be required to re-activate Mirror Optimizer.
 - Note : MIRO activation error - An exception condition has occurred during HyperWrite activation. Refer to other messages to determine the reason. Exception conditions may be examined using the DEV,OPTIMIZE DISPLAY DEVICE ALL FILTER EXCEPTION command. If the reason cannot be determined, contact Dell EMC Technical Support.
 - Note : MIRO termination detected during IO - An exception condition has occurred during Mirror Optimizer I/O processing such that HyperWrite was detected as not active on the R1 or R2 during I/O processing. This could indicate that another product has requested the termination of Mirror Optimizer, for example during consistency trip processing. Refer to other messages to determine the reason. Where indicated by the additional Note : REFRESH FULL required to re-activate, a DEV OPTIMIZER REFRESH FULL command might be required to reactivate Mirror Optimizer. Exception conditions may be examined using the DEV,OPTIMIZE DISPLAY DEVICE ALL FILTER EXCEPTION command. If the reason cannot be determined, contact Dell EMC Technical Support.
 - Note : MIRO implicit termination detected by status - An exception condition has occurred during Mirror Optimizer REFRESH processing such that HyperWrite was detected as not active on the R1 or R2. This could indicate that another product has requested the termination of Mirror Optimizer, for example, during consistency trip processing. Refer to other messages to determine the reason. Where indicated by the additional Note : REFRESH FULL required to re-activate, a DEV OPTIMIZER REFRESH FULL command might be required to reactivate Mirror Optimizer. Exception conditions may be examined using the DEV,OPTIMIZE DISPLAY DEVICE ALL FILTER EXCEPTION command. If the reason cannot be determined, contact Dell EMC Technical Support.
 - Note : MIRO not active - An exception condition has occurred during Mirror Optimizer REFRESH processing such that the operating environment level was detected as too low on the R1 or R2. Exception conditions may be examined using the DEV,OPTIMIZE DISPLAY DEVICE ALL FILTER EXCEPTION

command. If the reason cannot be determined, contact Dell EMC Technical Support.

- `Note : MIRO not supported` - An exception condition has occurred during Mirror Optimizer REFRESH processing such that the operating environment level was detected as too low on the R1 or R2. Exception conditions may be examined using the `DEV,OPTIMIZE DISPLAY DEVICE ALL FILTER EXCEPTION` command. If the reason cannot be determined, contact Dell EMC Technical Support.
- `Note : MIRO validation incomplete` - An exception condition has occurred during Mirror Optimizer REFRESH processing such that the R2 was detected as unsuitable for Mirror Optimizer processing. Refer to other messages to determine the reason. Exception conditions may be examined using the `DEV,OPTIMIZE DISPLAY DEVICE ALL FILTER EXCEPTION` command. If the reason cannot be determined, contact Dell EMC Technical Support.
- `Note : REFRESH FULL required to re-activate` - An exception condition has occurred during Mirror Optimizer processing such that the either the R1 or R2 was seen as inactive. This could indicate that another product has requested the termination of Mirror Optimizer, for example during Consistency trip processing. Refer to other messages to determine the reason. A `DEV OPTIMIZER REFRESH FULL` command will be required to reactivate Mirror Optimizer. Exception conditions may be examined using the `DEV,OPTIMIZE DISPLAY DEVICE ALL FILTER EXCEPTION` command. If the reason cannot be determined, contact Dell EMC Technical Support.
- `EventDisplay` - Shows for each device `dddd` the different event categories and their accumulated counts `e1` to `e8`. Logged events that have a record written to LOGREC are generally events of some importance. Unlogged events indicate a unimportant situation where zBoost PAV Optimizer or Mirror Optimizer has, for example, skipped the optimization of a channel program for some reason. `Build Error Logged` and `I/O Error Logged` could indicate an issue in zBoost PAV Optimizer or Mirror Optimizer processing. If these counters reach a certain threshold, then messages SCF4496E and (or) SCF4497E could be displayed and processing will be disabled. If this occurs, contact the Dell EMC Customer Support Center. See also SCF4496E and SCF4497E.
Only devices with events are displayed. Only those events with non-zero values are shown.
- `Note : Optimization DISABLED at device level due to error threshold` - Shown when a device has been disabled due to too many build or I/O errors. See message SCF4496E and SCF4497E for further details.
- `No devices processed` - Indicates that no devices were processed by the command.
- `Devices processed : cc` - Shows the total number of devices processed by the command.

Action

See above.

SCF4374I

```
OPTIMIZE DISPLAY SSID [SUMMARY][EVENTS] [ - continued cc]:
[SSID start ssss cannot be > end eeee]
[SSID ssss is not defined for OPTIMIZE]
[No SSIDs defined for OPTIMIZE]
[No SSIDs in range ssss-eeee are defined for OPTIMIZE]
[SummaryDisplay
+-----+
|                PAV Base/Alias usage                |
+-----+-----+-----+
SSID  Controller  Devs  Alias |      Constituent I/O      |PerIO Max|
-----+-----+-----+-----+
      HPAV Qpt|      Total      Collision |Uniq Dup |
+-----+-----+-----+-----+
ssss cccccc-cccc ddd hhh qqg|ttttttttttt cccccccccc|---- www|
      |uuuuuuuuuuu dddddddddd|xxxx yyyy|
]**ALIAS starved dd/mm/yy hh:mm:ss]
]**ALIAS not configured]
]

[EventDisplay
SSID      Event Type      Count
-----+-----+-----+
ssss Non-specific Logged      e1
      Non-specific           e2
      Read Logged           e3
      Read                   e4
      Write Logged          e5
      Write                   e6
      Build Error Logged    e7
      I/O Error Logged      e8
]
[No SSIDs processed]|
[SSIDs processed : cc]
```

Cause

The zBoost PAV Optimizer DISPLAY SSID SUMMARY or DISPLAY SSID EVENTS command was processed for a range of SSIDs.

- [- continued cc] - If there are too many lines to display in a 32K buffer, the message will be written over multiple MLWTOs.
- [SSID start ssss cannot be > end eeee]
[SSID ssss is not defined for OPTIMIZE]
[No SSIDs defined for OPTIMIZE]
[No SSIDs in range ssss-eeee are defined for OPTIMIZE]
Indicates a command parameter error. Verify that EMCSCF has completed initialization, zBoost PAV Optimizer is enabled, and (or) reissue the command with a valid SSID range.
- *SummaryDisplay* - Displays a line for each SSID (*ssss*) by base and alias to how many constituent I/Os were processed. See the *ResourcePak Base for z/OS Product Guide* for information about output fields.
- ****ALIAS starved dd/mm/yy hh:mm:ss** - zBoost PAV Optimizer monitors alias usage for each constituent I/O. If no alias devices are used on a number of consecutive I/Os, then ALIAS starvation is recognized. See message SCF4493W.
- ****ALIAS not configured** - zBoost PAV Optimizer will skip all split processing as

there are no alias devices configured for this SSID. See message SCF4366W.

- *EventDisplay* - Shows for each SSID the different event categories and their accumulated counts e1 to e8. See the *ResourcePak Base for z/OS Product Guide* for information about output fields.

Build Error Logged and I/O Error Logged could indicate an issue in zBoost PAV Optimizer processing. If these counters reach a certain threshold, then messages SCF4496E and (or) SCF4497E could be displayed and processing will be disabled. If this occurs, contact the Dell EMC Customer Support Center. See also SCF4496E and SCF4497E.

No SSIDs processed - Indicates that no SSIDs were processed.

- SSIDs processed: *cc* - Shows the total number of SSIDs processed by the command.

Action

See above.

SCF4375I

```
OPTIMIZE DISPLAY CONSISTENCY:
PAV Optimizer processing is currently [resumed|suspended] at
dd/mm/yy hh:mm:ss
[Suspend window is set to never expire
|Suspend window is set to expire at dd/mm/yy hh:mm:ss]
Type      Status  Scope Suspend   Last Suspend      Last Resume
          Counter DD/MM/YY HH:MM:SS DD/MM/YY
HH:MM:SS
-----
--
ConGroup sssssssss xxxxx ccccccc dd/mm/yy hh:mm:ss dd/mm/yy
hh:mm:ss
MSC      sssssssss xxxxx ccccccc dd/mm/yy hh:mm:ss dd/mm/yy
hh:mm:ss
ECATF    sssssssss xxxxx ccccccc dd/mm/yy hh:mm:ss dd/mm/yy
hh:mm:ss
Operator sssssssss xxxxx ccccccc dd/mm/yy hh:mm:ss dd/mm/yy
hh:mm:ss
ECASnap  sssssssss xxxxx ccccccc dd/mm/yy hh:mm:ss dd/mm/yy
hh:mm:ss
ECAzDP   sssssssss xxxxx ccccccc dd/mm/yy hh:mm:ss dd/mm/yy
hh:mm:ss
```

Cause

The Optimizer DISPLAY CONSISTENCY command was processed to show global consistency status.

The global status for consistency is indicated by the display header lines. The current status and, where currently suspended, the suspend window timeout will be indicated. Where the suspend is from an operator command, then the suspend window will never timeout.

See the *ResourcePak Base for z/OS Product Guide* for information about possible field values.

Action

None.

SCF4376I

```
OPTIMIZE RESET:
[Cannot perform RESET due to aaaaa active requests
|RESET allowed with aaaaa active requests due to FORCE option}]
[SMF data written|SMF data not logged RC/RS xxxxxxxx/yyyyyyyy]
[Optimization was DISABLED due to error at the global level. Now
RESET.]
[Optimization was DISABLED due to error for device ccuu. Now
RESET.][More...]
[Optimization was DISABLED due to error for SSID ssid. Now
RESET.][More...]

Devices RESET : r1, active : a1
SSIDs RESET : r2, active : a2
JOBLIST RESET : r3
```

Cause

The optimizer RESET command was processed.

Additional lines will be added to indicate the status of the RESET processing:

- Cannot perform RESET due to aaaaa active requests — The RESET processing quiesces active work and waits for a short period of time before performing the reset. This is done in order to create a consistent set of data for SMF processing and to create a consistent zeroing of all counters across the global, device and SSID statistics records. This message indicates that the optimizer cannot reset counters as there are aaaaa active requests. If required, this condition can be bypassed using the RESET FORCE option.
- RESET allowed with aaaaa active requests due to FORCE option — The RESET FORCE option was requested with optimizer processing. Processing continues.
- SMF data written — The SMF data for the optimizer was successfully written. This is done prior to the counters being reset.
- SMF data not logged RC/RS xxxxxxxx/yyyyyyyy — The SMF data for the optimizer was not successfully written. Contact the Dell EMC Customer Support Center.
- [Optimization was DISABLED due to error at the global level. Now RESET.]
[Optimization was DISABLED due to error for device ccuu. Now RESET.][More...]
[Optimization was DISABLED due to error for SSID ssid. Now RESET.][More...]
Optimizer processing that was previously disabled due to prior detected errors is now reset to enable the optimizer globally, for the listed devices, and the listed SSIDs. If there are too many devices and (or) SSIDs to be displayed in a 32K display buffer, the More... indicator will be shown.

Summary counts of the number of devices, SSIDs and JOBLIST records affected by the reset are indicated by *r1-r3*. The active counts *a1* and *a2* indicate how many of the devices and SSIDs were currently enabled for optimizer processing.

Action

None.

SCF4377I

```
OPTIMIZE LOG:  
[Optimization event table is not installed]  
[EVENTS start sss cannot be > end eee]  
Explicit logged events:[xxx[-yyy],...][ None explicitly set]  
Total : ttttt
```

Cause

The optimizer LOG EVENTS command was processed.

A command parameter error is indicated by one of the following. Verify that SCF has completed initialization, the optimizer is enabled, and (or) reissue the command with a valid events range.

Optimization event table is not installed

EVENTS start sss cannot be > end eee

The current explicit events are displayed as a ranged list xxx [-yyy]. If there are no remaining explicit events, this is indicated by None explicitly set. If there are explicit events set, then the total of these events is indicated by ttttt.

Action

None.

SCF4378I

```
OPTIMIZE ENABLE:  
[ENABLE processing scheduled]  
[ENABLE already requested by command]
```

Cause

The optimizer ENABLE command was processed:

- ENABLE processing scheduled — Indicates that optimizer processing will be asynchronously enabled. Other messages will be generated to indicate the success or otherwise of this processing.
- ENABLE already requested by command — A prior ENABLE command was already issued.

Action

None.

SCF4379I

```
OPTIMIZE DISABLE:  
[DISABLE processing scheduled]  
[DISABLE already requested by command]
```

Cause

The optimizer DISABLE command was processed:

- DISABLE processing scheduled — Indicates that optimizer processing will be asynchronously disabled. Other messages will be generated to indicate the success or otherwise of this processing.
- DISABLE already requested by command — A prior DISABLE command was already issued.

Action

None.

SCF4380I

```
OPTIMIZE SUSPEND:
SUSPEND initiated through nnn controllers
[ symm-serial (ccuu) ]...

[Optimization consistency is not installed]
[Could not determine gatekeeper devices]
[Invalid gatekeeper list returned]
[Invalid gatekeeper controller list]
[Gatekeeper could not be located]
<DEV OPTIMIZE CONSISTENCY command output>
```

Cause

The optimizer SUSPEND command was processed through the *nnn* listed storage systems (up to 25 storage systems will be listed). This command affects every currently active optimizer across all LPARs with connectivity to the same storage systems. The optimizer will not optimize write-oriented channel programs until a corresponding RESUME command is issued. See also SCF4381I.

Additional information will be presented where processing could not be performed:

- Optimization consistency is not installed — SCF is in initialization.
Wait until SCF has completed initialization prior to issuing commands.
- Where an issue has been detected in the processing of SCF gatekeeper devices, additional information will be presented:
 - Could not determine gatekeeper devices
 - Invalid gatekeeper list returned
 - Gatekeeper could not be located

To show the current optimizer consistency state, the multi-line command output for DEV OPTIMIZE CONSISTENCY is appended to the SCF4380I output. See message SCF4375I for further information.

This command does not affect an optimizer started after the command is issued. As such, a subsequent SUSPEND will need to be issued to affect these, if required.

Action

If one of the gatekeeper messages is presented, verify that SCF has correct connectivity and that gatekeepers are correctly defined in the SCF initialization file. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center.

SCF4381I

```
OPTIMIZE RESUME:
RESUME initiated through nnn controllers
[ symm-serial (ccuu) ]...

[Optimization consistency is not installed]
[Could not determine gatekeeper devices]
[Invalid gatekeeper list returned]
[Invalid gatekeeper controller list]
[Gatekeeper could not be located]
<DEV OPTIMIZE CONSISTENCY command output>
```

Cause

The optimizer RESUME command was processed through *nnn* storage systems (up to 25 storage systems will be listed). This command affects every currently active optimizer across all LPARs with connectivity to the same storage systems. Where no other

consistency type has an outstanding SUSPEND, optimizer processing will be resumed. See also SCF4380I.

Action

See message SCF4380I.

SCF4382I

```
DEV SCF.DEV.OPTIMIZE.JOBPREFIX=jjjjjjjjj dropped due to more generic kkkkkkkk
```

Cause

During SCF initialization parameter processing, the JOBPREFIX specified by *jjjjjjjjj* was dropped. This occurred because a more generic JOBPREFIX specified by *kkkkkkkkk* was also specified. This is done as all matches to *kkkkkkkkk* are also matches to *jjjjjjjjj*.

Action

None.

SCF4383I

```
DEV cannot determine zHPF capabilities for device ccuu[:reason]
```

Cause

During zBoost PAV Optimizer configuration processing, the zHPF capabilities could not be determined for the indicated device for the indicated reason:

- I/O Timeout — The I/O to determine the device capabilities timed out.
- DOIO RC/RS/ERS *xxxxxxxx/yyyyyyyy/zzzzzzzz* — The I/O to determine the device capabilities failed for some other reason.
- CHECK_PATCH RC *xxxxxxxx*, SAIO RC/RS/RX *rr/ss/xxxxxxxx* — The I/O to determine the symmetrix patch level failed for some other reason.

If there are other devices belonging to the same SSID, then the processing might be retried on those devices. If no devices in the same SSID can be used to determine the zHPF capability, then the prior known value will be used. If no value is available, then all devices on the SSID can only be in basic or passive monitoring mode and message SCF4384W will be displayed.

Action

Check the device to make sure it is accessible. Once the condition is corrected, issue the INI,REFRESH command to retry the zBoost PAV Optimizer configuration processing. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center.

SCF4384W

```
DEV OPTIMIZE.{MIR|PAV} SSID ssid does not have the required zHPF capability: action
```

Cause

During zBoost PAV Optimizer or Mirror Optimizer processing, the zHPF capabilities of the indicated SSID do not meet the minimum requirements and active zBoost PAV Optimizer or Mirror Optimizer processing will not be allowed.

The included *action* indicates the action taken by the optimizer:

- Reset to passive monitoring — Indicates that an active optimizer setting specified by the SCF.DEV.OPTIMIZE.{MIR|PAV} parameter cannot be used and has been changed to only allow passive monitoring.
- Passive monitoring allowed — Indicates that the passive monitoring

specified by SCF.DEV.OPTIMIZE.{MIR|PAV}=PASSIVE is acceptable.

- Basic monitoring allowed — Indicates that the basic monitoring specified by SCF.DEV.OPTIMIZE.{MIR|PAV}=MONITOR is acceptable.

Action

Ensure that the minimum zHPF level as required by zBoost PAV Optimizer or Mirror Optimizer is installed on the storage system. If the storage system does not have the minimum support level, the cached features for the storage system might not have been refreshed by z/OS. Issue the `DS QD,SSID=ssid,VALIDATE` command to update the z/OS known features and use the `INI,REFRESH` command to initiate optimizer configuration processing.

SCF4385W

```
DEV OPTIMIZE.PAV SSID ssid zOS configured alias count aaa  
mismatches controller count ccc
```

Cause

During zBoost PAV Optimizer configuration processing, the count of configured aliases for the indicated SSID mismatches between the z/OS count *aaa* and storage system count *ccc*. This could indicate a HyperPAV transition issue or a configuration issue.

If the count mismatch was indicated during a HyperPAV transition, then the z/OS view might not be accurate as all alias devices might not have been detected at the time the zBoost PAV Optimizer configuration processing was being performed.

Action

Issue the `D M=DEV(ccuu)` command to any device in the SSID to determine the current HyperPAV configured alias count. If a different value is displayed compared to the z/OS count *aaa* in this message, then issue the `INI,REFRESH` command to allow zBoost PAV Optimizer to redetermine the counts. Otherwise, verify the Symmetrix bin file settings and z/OS IODF configuration to verify the alias configuration. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center.

SCF4386W

```
DEV cannot determine SRDF pairing using device ccuu: API_error_rsn
```

Cause

An error was detected during the determination of the Mirror Optimizer SRDF pairing for the indicated *ccuu* in the active subchannel set. *API_error_rsn* indicates the API routine and return codes associated with the error.

Action

Verify connectivity to the indicated device using, for example, `DS P,ccuu`. If the reason for failure cannot be determined, contact the Dell EMC Customer Support Center.

SCF4387W

```
DEV cannot determine SRDF pairing using ctrl symm-serial:  
API_error_rsn
```

Cause

An error has been detected during the determination of the Mirror Optimizer SRDF pairing for the indicated storage system. *API_error_rsn* indicates the processing API routine and internal diagnostic codes associated with the error.

Action

A corresponding message SCF4386W may be issued for each *ccuu* attempted. See message SCF4386W for further details. If the reason for failure cannot be determined,

contact the Dell EMC Customer Support Center.

SCF4388W

```
DEV SRDF pairing not valid for device_type device sccuu  
[(partner_sccuu)]: reason
```

Cause

The indicated device is not applicable for Mirror Optimizer processing for the indicated reason. The device is either the R1 or R2 depending on where the error has been detected. Where the partner device has been determined, and not identified in the reason, this will be shown as *(partner_sccuu)*.

device_type indicates the type of the device:

- R1: *sccuu* is the R1 device.
- R2: *sccuu* is the R2 device.
- primary: *sccuu* is defined as the primary device; however, it is not an SRDF/S R1.
- secondary: *sccuu* was determined to be the secondary device; however, it is not an SRDF/S R2.

The possible reason messages are:

- Concurrent SRDF/S on SymDV#/RDFGrp *symdv#/srdfgrp* and *symdv#/srdfgrp* - The requested device is defined as concurrent SRDF/S (R11) and both mirrors are TR (ready on the link).
- Incomplete validation, reset to passive monitoring - During validation of the R2 mirror an error was detected. The R1 is reset to passive monitoring. Additional messages may appear, indicating the reason for this.
- is cascaded (R21) - The indicated device is cascaded.
- is not SRDF/S R1 [(PPRC defined)] - The requested device is not a SRDF/S R1 device. If the device has been defined as PPRC, this is added to the reason.
- is not SRDF/S R2 - The indicated device was resolved as the R2 partner to a specified R1 device. However, during additional verification the device is not an SRDF/S R2. This could indicate an internal error.
- R1 not found for SymDV#/RDFGrp/Ctrl *symdv#/srdfgrp/serial#* - The SRDF/S R1 device was resolved to the indicated *symdv#/srdfgrp/serial#*. However, the device was not defined to SCF. Verify that the device has not been excluded from SCF. An F *emcscf, DEV, RESCAN* command may be required.
- R2 and R1 device *sccuu* do not point to each other. R1 *sccuu* expected - The indicated device was resolved as the R2 partner to a specified R1 device. However, the SCF configuration returned an unexpected device. Verify that the SCF configuration is valid and up to date. An F *emcscf, DEV, REFRESH* command may be required.
- R2 not found for SymDV#/RDFGrp/Ctrl *symdv#/srdfgrp/serial#* - The SRDF/S R2 device was resolved to the indicated *symdv#/srdfgrp/serial#*. However, the device was not defined to SCF. Either the device is not defined to the LPAR or has been excluded from the SCF configuration. Verify that the device has not been excluded from SCF and if the device is in an alternate subchannel set, verify that the SCF.DEV.MULTSS=YES parameter has been specified.
- RDFGrp *srdfgrp* cannot be resolved - The partner SRDF group could not

be resolved to a storage system serial number. Additional SCF4386W and SCF4387W messages may have been issued when attempting to access the device.

- SRDF/S R2 has *nnnnnn* invalid tracks on SymDV#/RDFGrp *symdv#/srdfgrp* - The R2 device has *nnnnnn* invalid tracks owed from the R1.
- SRDF/S R1 mirror not found - The indicated device was resolved as the R2 partner to a specified R1 device. However, during additional verification the device is not an SRDF/S R2. This could indicate an internal error.
- SRDF/S R2 mirror not found - An SRDF/S R2 device could not be located. Additional SCF4388W messages may appear, indicating the reason for this.
- TNR SymDV#/RDFGrp *symdv#/srdfgrp* - The R1 to R2 relationship, identified by the R1 *symdv#/srdfgrp* mirror, is currently TNR (suspended). Where the R1 is defined as concurrent SRDF/S (R11) and the other mirror is SRDF/S TR (ready on the link), Mirror Optimizer will consider that mirror.
- Valid SRDF/S R1 mirror not found - The indicated device was resolved as the R2 partner to a specified R1 device. However, during additional verification the device is not an SRDF/S R2. This could indicate an internal error.
- Valid SRDF/S R2 mirror not found - A valid SRDF/S R2 device could not be located. Additional SCF4388W messages may appear, indicating the reason for this.

The indicated device is ignored for Mirror Optimizer processing.

Action

Verify the state of the SRDF/S device pairs using SRDF Host Component and the definition of the device using the SCF DISPLAY DEVICE commands. If the reason for failure cannot be determined, contact the Dell EMC Customer Support Center.

SCF4389I

```
DEV SRDF pairing found for device sccuu: {R1|R2}  
device sccuu resolved for symdv#/srdfgrp/serial#
```

Cause

Debugging message output when indicating that an SRDF pairing was located for the indicated device.

Action

None.

SCF4390W

```
DEV OPTIMIZE.MIR activation failed: reason
```

Cause

This message indicates an unexpected, internal error condition. During Mirror Optimizer storage system conditioning, a failure was detected as indicated by *reason*:

- Clear HyperWrite IO RC/RS/ERS *rc/rs/ers*, DATA3E *ddddddd* device *sccuu* - In some circumstances, Mirror Optimizer requires the current HyperWrite state for a device in the storage system to be cleared prior to performing an activate request. This message is displayed when the clear processing fails. *ddddddd* is an internal diagnostic code.
- DEVICE_STATUS RC *xxxxxxxx*, SAIO RC/RS/RX *rc/rs/rcx*, [device

`sccuu` [UCBerr `uuuuuuuu`] - An API query function for determining a device status failed. `xxxxxxx` and `rc/rs/rcx` are internal diagnostic codes. The device or UCB associated with the error are indicated by `sccuu` or `uuuuuuuu`.

- HyperWrite status error `eeeeeeee`, SymDV# `symdv#(ddddddd)`, Ctrl `symm-serial` - A status request returned an error condition for the indicated device number. `eeeeeeee` and `ddddddd` are internal diagnostic codes.
- HyperWrite status IO RC/RS/ERS `rc/rs/ers`, DATA3E `ddddddd` device `sccuu` - A status request to clear or activate HyperWrite in the storage system has failed. `ddddddd` is an internal diagnostic code.
- Request HyperWrite IO RC/RS/ERS `rc/rs/ers`, DATA3E `ddddddd` device `sccuu` - The request to activate HyperWrite in the storage system has failed. `ddddddd` is an internal diagnostic code.

Action

Contact the Dell EMC Customer Support Center.

SCF4391W

```
DEV OPTIMIZE.MIR activation failed for device sccuu: reason
```

Cause

During Mirror Optimizer storage system conditioning, a failure was detected during activation processing:

- Cannot determine HyperWrite state - Internal API call failed.
- DEVICE_STATUS API call failed - Internal API call failed.
- Did not change to expected HyperWrite state - The HyperWrite activation processing completed successfully. However, the change of state to allow Mirror Optimizer did not appear to transition correctly.

Action

This message indicates an unexpected internal error condition. Additional SCF4390W message might also appear that provides further explanation of the issue. Contact the Dell EMC Customer Support Center.

SCF4392I

```
DEV OPTIMIZE.MIR activation completed for R1/R2 device pair  
ccuu(volser)/ccuu (volser)
```

Cause

The Mirror Optimizer was activated for the indicated SRDF pair.

Action

None.

SCF4393W

```
DEV OPTIMIZE.MIR status cannot be determined for ctrl symm-serial:  
reason
```

Cause

During Mirror Optimizer storage system conditioning, a failure was detected during activation processing:

- DEVICE_STATUS RC `xxxxxxx`, SAI0 RC/RS `rc/rs`, device `sccuu` - An

API query function for determining a device status failed. *xxxxxxx* and *rc/rs* are internal diagnostic codes. The device or UCB associated with the error are indicated by *sccuu*.

- RC/RS/RCX *rc/rs/rcx*, device *sccuu* - An API query function for determining a device status failed. *rc/rs/rcx* are internal diagnostic codes. The device or UCB associated with the error are indicated by *sccuu*.

Action

This message indicates an unexpected internal error condition. Additional SCF4390W message may also appear providing further explanation of the issue. Contact the Dell EMC Customer Support Center.

SCF4394I

```
DEV OPTIMIZE.MIR nnnnnnnn device pairs are pending active
```

Cause

Mirror Optimizer storage system conditioning has initiated HyperWrite activation for the indicated number (*nnnnnnnn*) of devices. Message SCF4392I appears as device pairs completed initialization. This message is displayed at regular intervals while there are device pairs in a pending active state.

Action

None.

SCF4395I

```
DEV HyperWrite state change occurred on controller symm-serial
```

Cause

Indicates that the Mirror Optimizer monitor has detected some change to the HyperWrite state on the indicated storage system. Other messages may appear that indicate the extent of the change.

Action

None.

SCF4396I

```
OPTIMIZE HELP:
OPTimize
  Display [SUMMARY]
      -----

  Display CONSistency [SUMMARY]
      -----

  Display DEvice ([s]xxxx[-[t]yyyy) |ALL
                  [PAVoptimizer|MIRoptimizer]
                  [SUMMARY|EVENTS]
                  -----
                  [FILTer
                    [OPTimized
                      -----
                    |NOTOPTimized
                  ]
                  [EXception
```

```

        |NOtEXCeption
        |MIRoEXCeption
        |PAVoEXCeption
    ]
    [SKIpped
        |NOtSKIpped
    ]
    [SPECIaldevice
        |NOtSPECIaldevice
    ]
]
[Find|EXclude
    <maskable string>|'<literal>'
]

Display EVENTS [SUMMARY]
    -----

Display SSID (xxxx[-yyyy])|ALL
    [SUMMARY|EVENTS]
    -----

ENable|DISABLE [PAVooptimizer|MIRoptimizer]

HELP
LOG EVENTS (xxx[-yyy]) [ON|OFF]|NONE
REFresh [FULL|UPDATE|REPLACE]

```

Cause

Output from an OPTimize HELP command to show the valid command syntax.

Action

None.

SCF4397E

```
DEV OPTIMIZE.SELECT.DSN=dsname [(member)] DYNALLOC failed reason
```

Cause

During optimizer initialization, the dataset specified by OPTIMIZE.SELECT.DSN and, optionally, OPTIMIZE.SELECT.MEMBER could not be allocated. *reason* contains the DYNALLOC return information:

```
R15=dynalloc RC, ERR=S99ERROR, INFO=S99INFO
```

Where available, DYNALLOC return information follows to additionally describe the error.

Action

Verify the dataset and, where specified, the member specified by the OPTIMIZE.SELECT.DSN and OPTIMIZE.SELECT.MEMBER parameters are accessible to the SCF address space. Refer to the returned DYNALLOC return code information and additional DYNALLOC messages. The DYNALLOC *S99ERROR* and *S99INFO* codes are described in detail in *IBM Authorized Assembler Services Guide*. The SCF operator command `F emcscf,DEV OPTIMIZE REFRESH [UPDATE|REPLACE]` command may be specified to re-evaluate the parameters. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center.

SCF4398I

```
DEV SELECT logical processing initiated using DSN=dsname [(member)]
```

Cause

Optimizer SELECT processing has been initiated as a result of SCF startup processing or as a result of the `F emcscf,DEV OPTIMIZE REFRESH [UPDATE|REPLACE]` operator command. Additional messages from the SELECT processing follow. Message SCF4399I appears when the operation completes.

Action

None.

SCF4399I

```
DEV SELECT logical processing completed RC=xxxxxxx
```

Cause

Optimizer SELECT processing has completed. The RC displayed as xxxxxxxx is the highest return code generated by SELECT processing. Refer to any additional messages output as a result of SELECT processing.

Action

None.

SCF4402E

```
Module module-name could not be located
```

Cause

The required module *module-name* is missing from the ResourcePak base load library. Processing continues but some ResourcePak features might not be activated.

Action

Verify the ResourcePak base install, check the contents of the ResourcePak library to ensure the required module is available and retry.

If the problem persists, contact the Dell EMC Customer Support Center.

SCF4405I

```
message-text
```

Cause

This is an internal diagnostic message.

Action

None.

SCF4407I

```
message-text
```

Cause

This is an internal diagnostic message.

Action

None.

SCF4411E

```
message-text
```

Cause

This is an internal diagnostic message.

Action

None.

SCF4488I

message-text

Cause

This is an internal diagnostic message.

Action

None.

SCF4489W

message-text

Cause

This is an internal diagnostic message.

Action

None.

SCF4490I

message-text

Cause

This is an internal diagnostic message.

Action

None.

SCF4491W

```
(emcscf) MIR Optimization no longer active for R1/R2 device pair  
[*]r1_sccuu(r1_syndv#)/[*]r2_sccuu(r2_syndv#)
```

Cause

During Mirror Optimizer I/O processing, the R1-R2 device pair became unavailable for Mirror Optimizer processing and I/O processing will precede using SRDF/S only. This could indicate a change in state of the device pair as a result of SRDF Host Component or Consistency Groups processing. An '*' is indicated next to the device where this was detected.

Action

Examine other messages in the LPAR system log to determine if any SRDF Host Component or Consistency Groups actions have been performed. Verify that the device pair is still in an SRDF/S relationship using SRDF Host Component query commands. All devices with an exception state including those that have been detected as no longer active due to this reason can be examined using the F *emcscf*, DEV OPTIMIZE DIS DEV ALL MIROEXCEPTION command. Where indicated by this message output, an F *emcscf*, DEV OPTIMIZE REFRESH FULL command is required for Mirror Optimizer to re-evaluate devices in an exception state. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center.

SCF4492I

message-text

Cause

This is an internal diagnostic message.

Action

None.

SCF4493W

```
(emcscf) PAV Optimization ALIAS starvation detected for SSID  
ssid by device ccuu
```

Cause

zBoost PAV Optimizer processing has detected HyperPAV alias starvation for the indicated SSID. The SCF detecting the issue is indicated by *emcscf* and the detecting device *ccuu*.

zBoost PAV Optimizer monitors all alias usage for each optimized I/O. Starvation occurs when no alias devices were available for selection for a number of consecutive optimized I/O. The issuance of this message can indicate that an error has occurred at either the PowerMax or VMAX or operating system level such that no alias devices are available to devices contained in the indicated SSID.

This message will be issued at 30 second intervals while the starvation persists. During this 30 second interval, zBoost PAV Optimizer will skip split processing for the affected SSID. The number of skipped channel programs is accumulated and may be displayed using the DEV,OPTIMIZE DISPLAY DEVICE ALL FILTER SKIPPED command. See message SCF4373I.

Action

Issue the DEV OPTIMIZE DISPLAY SSID ALL command to determine all SSIDs with alias starvation. Where necessary, the HyperPAV alias pool might need to be reinitialized using the V *dddd*,ONLINE,UNCOND operator command or SETIOS HYPERPAV NO/YES command sequence.

In addition, verify that the indicate SSID does not contain FBA gatekeeper devices. z/OS does not properly support FBA devices mixed with CKD in the same SSID in a HyperPAV configuration. In this instance, alias starvation can occur, for example, following an F ANTAS000,REDISCOVER command or following a VARY ONLINE command of an FBA device. In this case, a HYPERPAV NO/YES sequence will be required to reinitialize the alias device pool. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center.

SCF4494I

```
(scfname) PAV[+MIR] Optimization is now write suspended by  
consistency-type
```

Cause

zBoost PAV Optimizer and, where indicated, Mirror Optimizer processing has been suspended for write processing by the indicated consistency type. During the suspend period, zBoost PAV Optimizer and, where indicated, Mirror Optimizer will not optimize write-oriented channel programs except for devices where consistency exemption has been requested.

Note that the consistency type might differ in SCF4494I and SCF4495I as multiple consistency mechanisms might be suspended concurrently. The consistency type indicated in these messages is the one resulted in the actual change of suspend state. A corresponding SCF4495I message will be displayed when processing is resumed. This message is only displayed when SCF.DEV.OPTIMIZE.CONSISTENCY.VERBOSE. *consistency-type*=YES is specified.

Action

None.

SCF4495I

```
(emcscf) PAV Optimization is now write resumed by ?consistency-type
```

Cause

zBoost PAV Optimizer processing has been resumed for write processing by the indicated consistency type.

Note that the consistency type might differ in SCF4494I and SCF4495I as multiple consistency mechanisms might be suspended concurrently. The consistency type indicated in these message is the one that resulted in the actual change of suspend state.

This message is only displayed when SCF.DEV.OPTIMIZE.CONSISTENCY.VERBOSE.

*ConsistencyType=*YES is specified.

Action

None.

SCF4496E

```
(emcscf) PAV Optimization has been disabled for device ccuu due to error threshold ttt
```

Cause

zBoost PAV Optimizer processing has been disabled for the indicated device and SCF after detecting the indicated number of errors. The actual errors are captured in LOGREC records which may be requested by the Dell EMC Customer Support Center if error diagnosis is required.

This does not necessarily indicate an issue in zBoost PAV Optimizer processing but does indicate a condition that zBoost PAV Optimizer considers problematic.

Devices that are disabled may be displayed using the DEV,OPTIMIZE DISPLAY DEVICE ALL EVENTS command.

Action

Contact the Dell EMC Customer Support Center. Ensure that you have LOGREC and syslog available. zBoost PAV Optimizer will remain disabled for the indicated device until a DEV,OPTIMIZE RESET command is entered.

SCF4497E

```
(emcscf) PAV Optimization has been globally disabled due to error threshold ttt detected on device ccuu
```

Cause

zBoost PAV Optimizer processing has been disabled globally (all devices) for the indicated SCF after detecting the indicated number of errors. The actual errors are captured in LOGREC records which may be requested by the Dell EMC Customer Support Center if error diagnosis is required.

This does not necessarily indicate an issue in zBoost PAV Optimizer processing but does indicate a condition that zBoost PAV Optimizer considers problematic.

Action

Contact the Dell EMC Customer Support Center. Ensure that you have LOGREC and syslog available. zBoost PAV Optimizer will remain disabled globally for all devices until a DEV OPTIMIZE RESET command is entered.

SCF4498I

```
message-text
```

Cause

This is an internal diagnostic message.

Action

None.

SCF4499E

```
Interface interface has been disabled.
```

Cause

An internal error has occurred. SCF interface processing has been disabled for the indicated *interface* due to an internal abend threshold.

Diagnostic information is captured in LOGREC records. If an error diagnosis is required, Dell EMC Customer Support may request these records. Other SCF components may also display additional messages.

Action

Ensure that you have LOGREC records and syslog files available and contact Dell EMC Customer Support.

SCF4500E

```
DEV OPTIMIZE DDname ddname not allocated. Cannot be OPENed
```

Cause

The indicated DDname is not allocated and cannot be opened for logical selection processing.

Processing is terminated with RC=08.

Action

Verify that the indicated DD is allocated to the job. See the *ResourcePak Base for z/OS Product Guide* for details. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center.

SCF4501E

```
DEV OPTIMIZE DDname ddname OPEN failed, RC=xxxxxxxx
```

Cause

The indicated DDname failed OPEN processing.

Processing is terminated with RC=08.

Action

Verify that the indicated DD is allocated to the job and has the correct DCB attributes (PS, LRECL=80). See the *ResourcePak Base for z/OS Product Guide* for details. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center.

SCF4502E

```
DEV OPTIMIZE unknown action action
```

Cause

An action was requested that is not supported. This can indicate an internal error.

Processing is terminated with RC=08.

Action

Examine other messages to determine the reason for failure. If the reason cannot be determined, contact the Dell EMC Customer Support Center.

SCF4503E

```
DEV OPTIMIZE duplicate VOLUME_LIST name xxxxxxxx
```

Cause

A duplicate VOLUME_LIST name was defined in the same sequence.
Processing is terminated with RC=08.

Action

Either remove the duplicate VOLUME_LIST definition or change the name to be unique.

SCF4504W

```
DEV OPTIMIZE duplicate VOLSER volser skipped for VOLUME_LIST  
xxxxxxx
```

Cause

The same VOLSER indicated by *volser* was specified in the same VOLUME_LIST. The duplicate VOLSER is ignored.
Processing continues with RC=04.

Action

If a different VOLSER was intended then change the VOLUME_LIST and rerun.

SCF4505W

```
DEV OPTIMIZE duplicate STORGRP storgrp skipped for VOLUME_LIST  
xxxxxxx
```

Cause

The same SMS storage group indicated by *storgrp* was specified in the same VOLUME_LIST. The duplicate storage group is ignored.
Processing continues with RC=04.

Action

If a different storage group was intended then change the VOLUME_LIST and rerun.

SCF4506W

```
DEV OPTIMIZE STORGRP storgrp cannot be processed: reason
```

Cause

The indicated SMS storage group could not be processed for the indicated reason:

- `no SMS results area returned` — The SMS interface service did not return any data for the storage group. If a different storage group was intended then change the VOLUME_LIST and rerun. If the reason for the message cannot be determined, contact the Dell EMC Customer Support Center.
- `SMS service RC/RS xxxxxxxx/yyyyyyy` — The SMS interface service completed with the indicated return code and reason code indicating that the storage group could not be processed. If a different storage group was intended then change the VOLUME_LIST and rerun. If the reason for the message cannot be determined, contact the Dell EMC Customer Support Center.
- `storage group not found` — The SMS storage group could not be found. If a different storage group was intended then change the VOLUME_LIST and rerun. The storage group is ignored and processing continues with RC=04.

Action

Refer to the actions for each reason.

SCF4507E

```
DEV OPTIMIZE no SELECT list supplied
```

Cause

No SELECT list was found.
Processing is terminated with RC=08.

Action

Define the SELECT list and rerun.

SCF4508E

```
DEV OPTIMIZE internal EXTENTS error, empty work area (xxxxxxx)
for data set dsname
```

Cause

While processing the indicated dataset, an internal error was detected following a call to the EXTENTS service routine. This indicates an internal structure error.
Processing is terminated with RC=08.

Action

Contact the Dell EMC Customer Support Center.

SCF4509E

```
DEV OPTIMIZE internal EXTENTS error, empty object list for data
set dsname
```

Cause

While processing the indicated dataset, an internal error was detected following a call to the EXTENTS service routine. This indicates an internal structure error.
Processing is terminated with RC=08.

Action

Contact the Dell EMC Customer Support Center.

SCF4510W

```
DEV OPTIMIZE cannot process SELECT for INCLUDE data set dsname:
reason
```

Cause

The INCLUDE dataset cannot be processed for the indicated reason:

- No matching data sets found - No matching datasets were found for the masked *dsn* specification. If a different mask was intended then change the dataset specification and rerun.
- Volume unavailable - A volume containing the dataset is not available. If access to the volume was intended then check the volume serials associated with the dataset and rerun.

The dataset is ignored and processing continues with RC=04.

Action

Refer to the actions for each reason.

SCF4511E

```
DEV OPTIMIZE cannot process SELECT for INCLUDE data set dsn:  
reason
```

Cause

The INCLUDE dataset cannot be processed for the indicated reason:

- Data set not found - The specific, non-masked, dataset name was specified but was not found. Change the dataset name to a valid name and rerun.
- EXTENTS Error, RC=xxxx, RS=yyyy - The EXTENTS service routine returned with the indicated return codes. This could indicate an internal error.
- Invalid mask specified - An invalid dataset mask was specified. Consult the *ResourcePak Base for z/OS Product Guide* for valid dataset name masks and rerun.
- LOCATE error RC=xxxx - The z/OS LOCATE service terminated with the indicated return code. Verify access to the dataset and, if necessary, refer to the IBM LOCATE service return code information in the DFSMS Advanced Services manual.

Processing is terminated with RC=08.

Action

Refer to the actions for each *reason*. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center

SCF4512I

```
DEV OPTIMIZE SELECT assigned STMT stmt#
```

Cause

The parsed SELECT statement has been assigned the indicated statement number. This will be referred to in subsequent processing.

Action

None.

SCF4513I

```
DEV OPTIMIZE processing SELECT STMT stmt#
```

Cause

A previously parsed SELECT statement is being processed. The associated SELECT statement is identified by message SCF4512I.

Action

None.

SCF4514I

Cause

Report line separator.

Action

None.

SCF4515W

```
DEV OPTIMIZE duplicate STORCLAS ssssssss skipped for SELECT
```

Cause

The same SMS storage class indicated by ssssssss was specified in the same SELECT statement. The duplicate storage class is ignored.

Processing continues with RC=04.

Action

If a different storage class was intended then change the SELECT statement and rerun.

SCF4516W

```
DEV OPTIMIZE duplicate DATACLAS dddddddd skipped for SELECT
```

Cause

The same SMS data class indicated by dddddddd was specified in the same SELECT statement. The duplicate data class is ignored.

Processing continues with RC=04.

Action

If a different data class was intended then change the SELECT statement and rerun.

SCF4517W

```
DEV OPTIMIZE duplicate MGMTCLAS mmmmmmmm skipped for SELECT
```

Cause

The same SMS management class indicated by mmmmmmmm was specified in the same SELECT statement. The duplicate management class is ignored.

Processing continues with RC=04.

Action

If a different management class was intended then change the SELECT statement and rerun.

SCF4518E

```
DEV OPTIMIZE SELECT STMT stmt# VOLUME_LIST xxxxxxxx not defined
```

Cause

The indicated SELECT statement refers to an undefined VOLUME_LIST name indicated by xxxxxxxx. The associated SELECT statement is identified by message SCF4512I.

Processing is terminated with RC=08.

Action

Define the VOLUME_LIST correctly for the indicated SELECT statement and rerun.

SCF4519E

```
DEV OPTIMIZE SELECT STMT stmt# VOLUME_LIST required for a generic  
DataSetName(**) request
```

Cause

The SELECT statement contains a generic ** dataset name specification. A VOLUME_LIST is required for such a specification. The associated SELECT statement is identified by message SCF4512I.

Processing is terminated with RC=08.

Action

Define the VOLUME_LIST correctly for the indicated SELECT statement and rerun.

SCF4520I

```
DEV OPTIMIZE data set dsn skipped: reason
```

Cause

The indicated dataset was skipped as it did not match the selection requirements for the indicated reason:

- `DATACLAS dddddddd` not matched - The dataset data class does not match the requested SELECT data class.
- `Data set not inuse` - The ALLOCATED option was specified but the dataset is not currently in use (SYSDSN ENQ not held).
- `DSORG not matched` - The dataset DSORG (dataset organization) does not match the requested SELECT DSORG.
- `EXCLUDE DSN dsn` - A dataset name match was found in the EXCLUDE dataset name list.
- `No DATACLAS located` - An SMS data class match was requested but no data class is defined for the dataset.
- `No MGMTCLAS located` - An SMS management class match was requested but no management class is defined for the dataset.
- `No STORCLAS located` - An SMS storage class match was requested, however, no storage class is defined for the dataset.
- `MGMTCLAS mmmmmmmm` not matched - The dataset management class does not match the requested SELECT management class.
- `STORCLAS ssssssss` not matched - The dataset storage class does not match the requested SELECT storage class.

Action

None or as indicated by the above reason.

SCF4521W

```
DEV OPTIMIZE data set dsn skipped: Could not obtain data from FAMS  
(xxxxxxxx)
```

Cause

The indicated dataset was skipped as it did not match the selection requirements. File attribute information could not be obtained from the IBM FAMS service routine. Additional z/OS messages are output to indicate the reason.

Processing continues with RC=04.

Action

Refer to the appropriate z/OS message documentation. If the reason for this message cannot be determined, contact the Dell EMC Customer Support Center.

SCF4522I

```
DEV OPTIMIZE data set dsn has passed all SELECT criteria
```

Cause

The indicated dataset has passed all of the SELECT criteria.

Action

None.

SCF4522W

```
DEV OPTIMIZE all data sets skipped for INCLUDE data set dsn
```

Cause

All datasets that matched the include dataset name did not pass the required SELECT criteria. Refer to other messages, in particular SCF4520I to indicate the reason.

Action

None.

SCF4523I

```
DEV OPTIMIZE data set dsn [VOLSER volser[,device sccuu][ skipped:  
reason
```

Cause

The indicated dataset was skipped as it did not match the VOLUME_LIST or meet the following requirements for the indicated reason:

- Covered by full volume extent - A previously full volume extent definition overrides the usage of a more restrictive dataset extent definition.
- Denied by security - The associated user ID does not have the necessary authority to process the indicated dataset. See additional security product messages, for example ICH408I, to determine the current and required level of security access.
- Device not available from SCF [*sxxx* is not active] - The UCB associated with the indicated volser could not be located by SCF. Verify that the device has not been excluded from SCF and, where indicated, SCF is active.
- Non-DELL EMC device - Only Dell EMC devices may be processed. Other vendor devices are ignored.
- Not applicable to Mirror Optimizer - Mirror Optimizer was requested, however, syscall processing is currently blocked by access control.
- not matched to VOLUME_LIST *xxxxxxx* - The indicated dataset volser did not match to the SELECT VOLUME_LIST.
- no volumes matched - All volume(s) associated with the dataset where not matched to the SELECT VOLUME_LIST.
- UCB unavailable - The z/OS UCB associated with the indicated volser could not be located. Verify that the device is online and available.

Action

None or as indicated by the above reason.

SCF4524E

```
DEV OPTIMIZE data set dsn [VOLSER volser[,device sccuu][ skipped:  
reason
```

Cause

The indicated dataset was skipped due to the indicated error reason:

- Device creation failed (*xxxxxxx/yyyyyyy*) - An internal error occurred during device control block creation. The internal diagnostic return code information is indicated by *xxxxxxx* and *yyyyyyy*.

- XDSN storage obtain failed (xxxxxxx/yyyyyyy) - An error occurred during dataset control block creation using the z/OS IARCP64 service. xxxxxxx and yyyyyy indicate the IARCP64 return code and reason code values.
- XMAP DELETE failed (xxxxxxx/yyyyyyy) - An internal error occurred during extent map delete processing. The internal diagnostic return code information is indicated by xxxxxxx and yyyyyy.
- XMAP failed (xxxxxxx/yyyyyyy) - An internal error occurred during extent map processing. The internal diagnostic return code information is indicated by xxxxxxx and yyyyyy.
- XTNT storage obtain failed (xxxxxxx/yyyyyyy) - An error occurred during extent control block creation using the z/OS IARCP64 service. xxxxxxx and yyyyyy indicate the IARCP64 return code and reason code values.
- XTNT_LST storage obtain failed (xxxxxxx/yyyyyyy) - An error occurred during extent list control block creation using the z/OS IARCP64 service. xxxxxxx and yyyyyy indicate the IARCP64 return code and reason code values.
- XVOL storage obtain failed (xxxxxxx/yyyyyyy) - An error occurred during volume control block creation using the z/OS IARCP64 service. xxxxxxx and yyyyyy indicate the IARCP64 return code and reason code values.

Processing is terminated with RC=08.

Action

Contact the Dell EMC Customer Support Center.

SCF4540I

```
DEV OPTIMIZE REPLACE already specified
```

Cause

The REPLACE directive has already been specified in the command sequence. The duplicate specification is ignored.

Action

None.

SCF4541I

```
DEV OPTIMIZE FREE already specified
```

Cause

The FREE directive has already been specified in the command sequence. The duplicate specification is ignored.

Action

None.

SCF4542I

```
DEV OPTIMIZE logical area release completed
```

Cause

The REPLACE or FREE directive was specified. The optimizer data areas are now freed.

Action

None.

SCF4543I

```
DEV OPTIMIZE.PAV data set dsn {[remains] set to|changed to}  
{Read|Write|ReadWrite|Passive}
```

Cause

The zBoost PAV Optimizer monitoring level for the indicated dataset is now set to the indicated value.

Action

None.

SCF4544I

```
DEV OPTIMIZE.MIR data set dsn {[remains] set to|changed to}  
{Write|Passive}
```

Cause

The Mirror Optimizer monitoring level for the dataset *dsn* is now set to the indicated value.

Action

None.

SCF4545W

```
DEV OPTIMIZE.PAV data set dsn VOLSER volser[,device sccuu]  
overridden by INI device settings
```

Cause

The zBoost PAV Optimizer monitoring level for the indicated dataset is being overridden by the device inclusion parameters in the SCF initialization file. The SCF initialization parameters specified by the INCLUDE device lists override the SELECT parameters. Processing continues with RC=04.

Action

If the SELECT parameter values are to be used rather than the SCFINI SCF.DEV.OPTIMIZE.PAV device include parameters, remove the SCFINI parameter specifications for the indicated device and issue the SCF INI,REFRESH command.

SCF4546W

```
DEV OPTIMIZE.MIR data set dsn VOLSER volser[,device sccuu]  
overridden by INI device settings
```

Cause

The Mirror Optimizer monitoring level for the dataset *dsn* is being overridden by the device inclusion parameters in the SCF initialization file. The SCF initialization parameters specified by the INCLUDE device lists override the SELECT parameters. Processing continues with RC=04.

Action

If the SELECT parameter values are to be used rather than the SCFINI SCF.DEV.OPTIMIZE.MIR device include parameters then remove the SCF initialization parameter specifications for the indicated device and perform an SCF INI,REFRESH command.

SCF4547E

```
DEV OPTIMIZE SCF emcscf is not active
```

Cause

The SCF subsystem ID defined by the SCF\$*nnnn* DD DUMMY statement is not currently active. The default is SCF\$EMC DD DUMMY. Processing is terminated with RC=08.

Action

Start the indicated SCF or change SCF\$*nnnn* DD DUMMY to an SCF that is active and rerun the job.

SCF4548I

```
DEV OPTIMIZE VOLSER volser, Device sccuu has full extent coverage
```

Cause

The indicated device has full extent coverage either by the ALLDATA or generic DSN(**) option.

Action

None.

SCF4549I

```
DEV OPTIMIZE.PAV VOLSER volser, device sccuu {[remains] set to|changed to} {Read|Write|ReadWrite|Passive}
```

Cause

The indicated device has the indicated accumulated zBoost PAV Optimizer monitor settings across all monitored extents on the device.

Action

None.

SCF4550I

```
DEV OPTIMIZE.MIR VOLSER volser, Device sccuu {[remains] set to|changed to}{Read|Write|ReadWrite|Passive}
```

Cause

The indicated device has the indicated accumulated Mirror Optimizer monitor settings across all monitored extents on the device.

Action

None.

SCF4551W

```
DEV OPTIMIZE.PAV VOLSER volser, device sccuu overridden by INI device settings
```

Cause

The zBoost PAV Optimizer monitoring level for the full volume request defined by ALLDATA or generic DSN(**) is being overridden by the device inclusion parameters in the SCF initialization file. The SCF initialization parameters specified by the INCLUDE device lists override the SELECT parameters. Processing continues with RC=04.

Action

If the SELECT parameter values are to be used rather than the SCF.DEV.OPTIMIZE.PAV device include parameters then remove the SCF initialization parameter specifications for the indicated device and perform an SCF INI,REFRESH command.

SCF4552W

```
DEV OPTIMIZE.MIR VOLSER volser, device sccuu overridden by INI  
device settings
```

Cause

The Mirror Optimizer monitoring level for the full volume request defined by ALLDATA or generic DSN(**) is being overridden by the device inclusion parameters in the SCF initialization file. The SCF initialization parameters specified by the INCLUDE device lists override the SELECT parameters.

Processing continues with RC=04.

Action

If the SELECT parameter values are to be used rather than the SCF.DEV.OPTIMIZE.MIR device include parameters then remove the SCF initialization parameter specifications for the indicated device and perform an SCF INI,REFRESH command.

SCF4553I

```
DEV OPTIMIZE Generic DataSetName(**) will result in full volume  
extent coverage
```

Cause

The indicated generic DSN(**) request will result in all extents on the device being monitored. This overrides any prior and subsequent specific dataset requests for this same device.

Action

None.

SCF4554E

```
DEV OPTIMIZE data set dsn contains an invalid mask: Not permitted  
in HLQ
```

Cause

The SELECT statement for the dataset name contains an invalid mask. Masking characters are not allowed in the dataset name first qualifier (HLQ).

Processing is terminated with RC=08.

Action

Respecify the dataset name matching the masking rules and rerun the job.

SCF4555E

```
DEV OPTIMIZE.PAV LFC is not installed
```

Cause

zBoost PAV Optimizer monitoring is not allowed without the correct License Feature Code (LFC).

Processing is terminated with RC=08.

Action

Remove the zBoost PAV Optimizer monitoring setting from the SELECT statement or specify a valid license feature code for zBoost PAV Optimizer in the SCF initialization file, perform an INI,REFRESH and rerun the job.

SCF4557I

```
DEV OPTIMIZE SAF DASDVOL access allowed to VOLSER volser
```

Cause

The user ID associated with the job has DASDVOL access to the indicated volser. No additional DSN access verification is performed for this volume.

Action

None.

SCF4598E

```
DEV OPTIMIZE internal error: reason
```

Cause

An internal error has occurred during processing. Processing is terminated with RC=08.

Action

Contact the Dell EMC Customer Support Center.

SCF4600I

```
ESFOPTBT Dell EMC Optimizer Batch Interface version
```

Cause

ESFOPTBT herald message indicating the build version information.

Action

None.

SCF4601W

```
ESFOPTBT SYSPRINT DD not defined. All messages will be routed via  
WTO
```

Cause

The ESFOPTBT SYSPRINT DD was not defined. All messages that would normally be issued to the SYSPRINT DD will be routed via WTO.

Action

If messages are to be sent to SYSPRINT, update the ESFOPTBT job to include the SYSPRINT DD and rerun.

SCF4602E

```
ESFOPTBT SYSIN DD not allocated
```

Cause

The required ESFOPTBT SYSIN DD was not defined. Processing is terminated with RC=08.

Action

Update the ESFOPTBT job to include the SYSIN DD statement and rerun. See the *ResourcePak Base for z/OS Product Guide* for directives that may be specified through the SYSIN DD.

SCF4603E

```
ESFOPTBT not APF authorized
```

Cause

ESFOPTBT is not APF authorized. ESFOPTBT requires APF authorization to access the

various optimizer control functions. Processing is terminated with RC=08.

Action

Add the ESFOPTBT libraries to the z/OS APF list and rerun the job.

SCF4604E

```
ESFOPTBT SCF emcscf is not active
```

Cause

The SCF subsystem ID defined by the SCF\$*nnnn* DD DUMMY statement is not currently active. The default is SCF\$EMC DD DUMMY. Processing is terminated with RC=08.

Action

Start the indicated SCF or change SCF\$*nnnn* DD DUMMY to an SCF that is active and rerun the job.

SCF4605E

```
ESFOPTBT DEV Optimizer is not active
```

Cause

The optimizer functionality is not currently active for the specified SCF\$*nnnn* DD DUMMY. This could indicate that SCF is in an initializing state. Processing is terminated with RC=08.

Action

Wait for SCF to complete initialization or change SCF\$*nnnn* DD DUMMY to an SCF that is active and rerun the job.

SCF4608E

```
ESFOPTBT SCF emcscf version mismatch.  
Expecting Vversion, level level  
Found      Vversion, level level
```

Cause

The build version of ESFOPTBT does not match the required level of the SCF being accessed by the SCF\$*nnnn* DD DUMMY. This could indicate a library STEPLIB or JOBLIB issue. Processing terminates with RC=08.

Action

Verify the SCF installation to ensure that the correct libraries are being accessed by the ESFOPTBT job and the SCF address space.

SCF4609E

```
ESFOPTBT Invalid structure detected: reason
```

Cause

An invalid internal structure has been detected by ESFOPTBT. This can indicate a possible internal error. Processing terminates with RC=08.

Action

Contact the Dell EMC Customer Support Center.

SCF4610I

```
ESFOPTBT Current optimizer status:  
PAV Optimizer: {Enabled|Disabled}
```

```
MIR Optimizer: {Enabled|Disabled}
```

Cause

Indicates the current state of the optimizer.

Action

None.

SCF4611E

```
ESFOPTBT SCF emcscf initialization has not completed
```

Cause

SCF is in an initializing state.
Processing terminates with RC=08.

Action

Wait for SCF to complete initialization or change SCF\$nnnn DD DUMMY to an SCF that is active and rerun the job.

SCF4612E

```
ESFOPTBT Access denied by security to resource resource reason
```

Cause

Access to the indicated resource has been denied by the security package for the indicated reason.
Processing is terminated with RC=08.

Action

The user ID associated with the ESFOPTBT job requires access to certain SAF resources. See the *Mainframe Enablers Installation and Customization Guide* for further details.

SCF5000I

```
ELM environment initializing
```

Cause

Issued during SCF startup when the eLicensing management environment starts.

Action

None.

SCF5001I

```
ELM environment terminating
```

Cause

Issued during SCF termination when the eLicensing management environment is ending.

Action

None.

SCF5002E

```
No data available for Symmetrix xxxxx
```

Cause

The user specified a storage system serial number for a storage system at an Enginuity level prior to 5875.

Action

Re-enter the command with a valid storage system serial number.

SCF5003E

```
No serial numbers match xxxxx
```

Cause

The user specified a wildcard value for CONTROLLER and no matches were found.

Action

Re-enter the command with a different string or with a specific storage system serial number.

SCF5004W

```
No usage report found for symm-serial
```

Cause

The storage system serial number used for an ELM QUERY command had no associated usage report. This condition can occur if either all the eLicensing managed features are disabled or the first usage report has yet to be created by ELM QUERY.

Action

Consult the *Mainframe Enablers Installation and Customization Guide* for information on how to create a usage report and save it to the storage system. If this persists, contact the Dell EMC Customer Support Center.

SCF5005I

```
Report for ({Local|Remote}) Controller follows
```

Cause

The ELM LIST or QUERY command is accepted and its output follows this message.

Action

None

SCF5006E

```
SYMAPI-MF R15=rc EMCRC=erc EMCRS=ers EMCRX=erx serial number  
symmserial
```

Cause

During the processing of an ELM QUERY command an internal error occurred while trying to obtain the usage report from the indicated serial number.

Action

Verify the serial number and retry the command. If the issue persists, contact the Dell EMC Customer Support Center.

SCF5007E

```
SYMAPI-MF R15=rc EMCRC=erc EMCRS=ers EMCRX=erx HOPLIST=hhhhhhhh  
serial number symmserial
```

Cause

During the processing of an ELM QUERY command to a storage system which is remote to this SCF, an internal error occurred while trying to obtain the usage report from the listed serial number.

Action

Verify the serial number and retry the command. If the issue persists, contact the Dell EMC Customer Support Center.

SCF5008W

```
XML services not supported for z/OS vv.rr.mm. Substituting ELM  
LIST CONTROLLER(symmserial)
```

Cause

z/OS XML services are not available on the current system. They are part of z/OS as of z/OS V1R8.

XML services are required in order to process the usage report file obtained for the ELM QUERY command specified. ELM LIST CONTROLLER was used in place of ELM QUERY CONTROLLER.

Action

None.

SCF5009E

```
Unable to get storage for XML area. RC=rc size=nnnn
```

Cause

A request for *nnnn* bytes of storage failed.

Action

This is an internal error. Contact the Dell EMC Customer Support Center.

SCF5010E

```
Call to XML service failed. Function=ffff rc=rc rsn=rsn serial  
number symmserial
```

Cause

While processing an ELM QUERY CONTROLLER command a call to the specified z/OS XML service failed.

Action

Contact the Dell EMC Customer Support Center. Additional information is recorded in the SCF TRACE dataset for Dell EMC diagnostic purposes.

SCF5300I

```
SRV FACILITY STARTING
```

Cause

Issued when the Service Environment Facility starts.

Action

None

SCF5301I

```
SRV FACILITY ENDING
```

Cause

Issued when the Service Environment Facility ends.

Action

None

SCF5302I

Format 1:

SRV environment has *xx* active task(s)

Format 2:

Total SYSBUSY Count is 0

Cause

The SRV,SYSBUSY,DISPLAY command was issued. *xx* indicates the number of active SRV tasks (external applications) that currently require SCF to remain active.

Action

None.

SCF5303I

SRV active task count changed from *xx* to *yy*

Cause

An SRV,SYSBUSY command was issued that changed the number of active SRV tasks (external applications) that currently require SCF to remain active. The number *xx* indicates the previous tasks and *yy* indicates the now current number of tasks.

Action

None.

SCF5304I

message-text

Cause

This message echoes an SRV command.

Action

None.

SCF5305E

message-text

Cause

An SRV command containing a syntax error was issued. This message displays an error from the SRV command parser.

Action

None.

SCF5306I

SRV GLOBAL *nnnnnnnn*

Cause

This message displays the address (*nnnnnnnn*) of the key SRV control block for diagnostic purposes.

Action

None.

SCF5400I

Dell EMC Thin Reclaim Utility Startup (TRU) *version*

Cause

The SCF TRU Monitor subtask has started execution.

Action

None.

SCF5401I

TRU UNABLE TO LOCATE CMNAREA OF SRXGBL: xxxxxxxx - xxxxxxxx

Cause

The global storage anchor cannot be found.

Action

Contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

SCF5402I

TRU SRXGBL FOUND (xxxxxxx) . BODY FOUND (xxxxxxx)

Cause

The global storage anchor has been located. The address of the base and body are shown.

Action

None.

SCF5403I

TRU APP_HTRU INVALID - xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx

Cause

The TRU common storage header has been found, but appears to be invalid.

Action

Contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

SCF5404I

TRU UNABLE TO ACQUIRE STORAGE FOR TRU APPLICATION HEADER -
xxxxxxx

Cause

Unable to acquire common storage for the TRU header.

Action

Contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

SCF5405I

TRU APP_HTRU ALLOCATED - xxxxxxxx (xxxxxxx)

Cause

The TRU common storage header has been allocated at the identified address (length).

Action

None.

SCF5406I

```
TRU APP_HTRU LOCATED - xxxxxxxx (xxxxxxx)
```

Cause

The TRU common storage header has been located at the identified address (length).

Action

None.

SCF5407I

```
TRU APP_DTRU INVALID - xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx
```

Cause

The TRU common storage device block has been found, but appears to be invalid.

Action

Contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

SCF5408I

```
TRU UNABLE TO ACQUIRE STORAGE FOR TRU DEVICE EXTENSION - xxxxxxxx
```

Cause

Unable to acquire common storage for the TRU device block.

Action

Contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

SCF5409I

```
TRU APP_DTRU ALLOCATED FOR DEVICE ccuu @ xxxxxxxx - (xxxxxxx)
```

Cause

The TRU common storage device block has been allocated at the identified address (length).

Action

None.

SCF5410I

```
TRU APP_DTRU LOCATED FOR DEVICE ccuu @ xxxxxxxx - (xxxxxxx)
```

Cause

The TRU common storage device block has been located at the identified address (length).

Action

None.

SCF5411I

```
TRU INI-VALUE INVALID - keyword - value - reasoncode
```

Cause

The indicated SCF initialization parameter keyword has an invalid value specified. The

various reason codes are:

- TIME RANGE OVERLAPS ANOTHER TIME RANGE
- IN RANGE, SECOND # MUST BE LARGER THAN FIRST #
- MUST BE BETWEEN 0 AND FFFF
- EXPECTING DASH FOR VALID RANGE
- MUST BE VALID HEX DIGITS, 0-9 A-F
- MUST BE VALID DECIMAL DIGITS, 0-9
- VALUE BE 1 THRU *nn*
- MUST BE LESS THAN OR EQUAL TO 4 CHARACTERS
- MUST BE LESS THAN OR EQUAL TO 8 CHARACTERS
- MUST BE MORE THAN 2 CHARACTERS
- TOO MANY ITEMS SPECIFIED
- MUST BE VALID TIME NOTATION - HHMM
- UNKNOWN ERROR
- MUST BE YES OR NO
- IS NOT A VALID VALUE
- VALUE OUT OF RANGE (*min-max*)

Action

Correct the indicated parameter value.

SCF5412I

```
TRU THIN RECLAIM UTILITY EXITING
```

Cause

The SCF TRU Monitor subtask is exiting.

Action

None.

SCF5413I

```
TRU {SCAN|RECLAIM} STARTED TASK STARTED ON DEVICE ccuu - startcmd
```

Cause

A z/OS start command has been issued to perform the requested action (SCAN or RECLAIM) on the indicated device.

Action

None.

SCF5414I

```
TRU {SCAN|RECLAIM} ATTACHED TASK STARTED ON DEVICE ccuu
```

Cause

The SCF TRU Monitor has attached a subtask in SCF to perform the requested action (SCAN or RECLAIM) on the indicated device.

Action

None.

SCF5415I

```
TRU {SCAN|RECLAIM} ATTACHED TASK COMPLETED ON DEVICE ccuu,  
COMPLETION CODE=xxxxxxxx
```

Cause

The task previously attached to process the action (SCAN or RECLAIM) has completed for the indicated device. The completion code is shown.

Action

None.

SCF5416I

```
TRU INI VALUE FOR keyword ASSIGNED VALUE OF value
```

Cause

The SCF TRU Monitor has processed the SCF initialization parameter value specified in the SCF initialization file.

Action

None.

SCF5417I

```
TRU command COMMAND COMPLETED  
[ (CANCELLED DUE TO DISABLE) ]  
[ (SKIPPED - reason) ]
```

Cause

The command has been processed by the SCF TRU Monitor task.

- CANCELLED DUE TO DISABLE - Displayed if the command had not yet been accepted for processing and a TRU,DISABLE command is entered.
- SKIPPED - *reason* - Indicates the reason why the device was skipped during RECLAIM, SCAN, and START command processing:
 - EXCLUDE - During command processing, the device has been excluded from TRU processing. This error can occur where a device is now marked as persist.
 - NOT MONITORED - The device is not monitored as the device does not meet the requirements for TRU. If TRU is required for the device, issue the TRU,START command to attempt to initialize TRU monitoring for the device.
 - OFFLINE - The device is now offline and SCF.TRU.OFFLINE=NOPROCESS was specified. The device was online when TRU was started or initially enabled.
 - PERSIST - The device has the persistent allocations. TRU is not eligible.
 - SDDF OPEN FAILED - START failed to open the SDDF session for the device. Examine the EMCSCF and z/OS syslog for other messages to determine if the device is not accessible. If the reason for the failure cannot be determined, contact Dell EMC Customer Support. Ensure that you have all relevant documentation available, including the SCFLOG and SCFTRACE.
 - SMSPLEX - The device is no longer in the same SMSPLEX. The device was in the same SMSPLEX when TRU was started or initially enabled.

Action

None.

SCF5418I

```
TRU UNABLE TO START ccuu, THIS DEVICE ({SCAN|RECLAIM}) reason
```

Cause

A record to start either SCAN or RECLAIM for the indicated device will not happen for one of the possible reasons:

- IS CURRENTLY BEING PROCESSED - This indicates a SCAN or RECLAIM activity is currently running for the device.
- IS ALREADY STARTING - This indicates a SCAN or RECLAIM activity is currently running in startup for the device.
- PREVIOUSLY FAILED DURING INITIALIZATION - This indicates a prior SCAN or RECLAIM activity failed in initialization for the device. Examine other messages for a prior action on this device for the failure reason. No new SCAN or RECLAIM will be processed automatically started within a 5 minute window. If required an operator initiated action can be requested to override this window.

Action

None.

SCF5419I

Format 1:

```
TRU STARTING STATUS ON DEVICE ccuu (CANCELLED DUE TO DISABLE)
```

Format 2:

```
TRU FAILED INITIALIZATION STATUS ON DEVICE ccuu (CANCELLED DUE TO DISABLE)
```

Format 3:

```
TRU STARTING STATUS ON DEVICE ccuu RESET DUE TO EXCEEDING EXPECTED STARTUP TIME
```

Cause

The indicated status was reset for the device.

If a DISABLE command was entered, then devices in STARTING or FAILED INITIALIZATION status will be reset. A subsequent TRU,ENABLE command will allow the device activity to be performed.

If the action was being started but failed before any processing is performed then another action cannot start for 5 minutes. Once the 5 minute window is reached (or exceeded) then another action may then be started.

Action

None.

SCF5420E

```
TRU UNABLE TO LOCATE #SRXGBL
```

Cause

The SCF Device Display is unable to locate the SRX global storage.

Action

(1) If the SCF TRU Monitor is not running, this is to be expected and no action is necessary. Avoid using the TRU keyword on the SCF Device Display if the SCF TRU Monitor is not running. (2) If the SCF TRU Monitor is running, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

SCF5421E

```
TRU UNABLE TO LOCATE #SRXDEV
```

Cause

The SCF Device Display is unable to locate the SRX device storage.

Action

(1) If the SCF TRU Monitor is not running, this is to be expected and no action is necessary. Avoid using the TRU keyword on the SCF Device Display if the SCF TRU Monitor is not running. (2) If the SCF TRU Monitor is running, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

SCF5422E

```
TRU UNABLE TO LOCATE SRXDTRU
```

Cause

The SCF Device Display is unable to locate the SRX device storage.

Action

(1) If the SCF TRU Monitor is not running, this is to be expected and no action is necessary. Avoid using the TRU keyword on the SCF Device Display if the SCF TRU Monitor is not running. (2) If the SCF TRU Monitor is running, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

SCF5423I

```
TRU device information
```

Cause

This is issued in response to the SCF Device Display with the TRU keyword specified.

Action

None.

SCF5437E

```
I/O ERROR ATTEMPTING TO READ DEVICE CHARACTERISTICS FOR DEVICE
ccuu
```

Cause

An I/O error occurred while reading the device characteristics for the indicated device.

Action

Verify that the device is in a proper condition to be used. Rerun with DEBUG specified and send the resulting output to the Dell EMC Customer Support Center.

SCF5438E

```
FORMAT4 DSCB NOT FOUND
```

Cause

Format 4 DSCB cannot be located.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

SCF5440E

```
I/O ERROR ATTEMPTING TO OBTAIN VTOC FREESPACE INFORMATION
```

Cause

An I/O error occurred when reading the VTOC freespace for an offline volume.

Action

Rerun with DEBUG specified and contact the Dell EMC Customer Support Center.

SCF5441I

```
{SCAN|RECLAIM} PROCESSED count TRACKS [xxxxxxxx, xxxxxxxx] [- SCF MONITOR NOTIFIED]
```

Cause

The SCAN or RECLAIM action has completed and processed the number of tracks. Within the braces, the current _RECENT and _POST values are shown. The text "SCF MONITOR NOTIFIED" will be present if the SCF Monitor has been posted for activity.

Action

None.

SCF5442I

```
DATASET SCRATCH - RC: xxxxxxxx RS: xxxxxxxx
```

Cause

A non-zero return code was issued after scratching the temporary dataset.

Action

Save the logs and trace dataset and contact the Dell EMC Customer Support Center.

SCF5443E

```
INVALID PARAMETER - EXPECTED "SCAN" OR "RECLAIM"
```

Cause

Parameter 1 must be either SCAN or RECLAIM.

Action

Correct the parameter and rerun.

SCF5444I

```
VOLUME: volser CCUU: ccuu HAS NO VTOC INDEX
```

Cause

The volume does not have an active VTOC index.

The temporary dataset method cannot be used unless there is a VTOC index present on the device. Processing will continue without using temporary datasets.

Action

None.

SCF5445E

Format 1:

```
SDDF SESSION FOUND TO BE INVALID, DEVICE IS NOW STOPPED
```

Format 2:

```
SDDF SESSION FOUND TO BE INVALID, SCF IS NOT AVAILABLE TO STOP DEVICE
```

Cause

The SDDF session is not valid. The device will not be monitored.
Format 1: SCF has been notified.
Format 2: SCF is not available to be notified.

Action
None.

SCF5446I

RECLAIM STARTED IN SYMMETRIX

Cause
After reclaim processing, the RECLAIM task has been started in the storage system.

Action
None.

SCF5446W

ATTEMPT TO START RECLAIM IN SYMMETRIX FAILED, DEVICE HAS SESSIONS AND PROTECTED TRACKS

Cause
After reclaim processing, an attempt to start reclaim processing in the storage system failed. The device has some sessions and protected tracks.

Action
Rerun the reclaim after the sessions and protected tracks are gone.

SCF5447I

SYSVTOC RESERVE ACQUIRED ON DEVICE *volser*

Cause
For reclaim processing, a SYSVTOC reserve has been acquired on the indicated device.

Action
None.

SCF5448I

SYSVTOC RESERVE RELEASED ON DEVICE *volser*

Cause
The SYSVTOC reserve previously acquired has been released on the indicated device.

Action
None.

SCF5449E

SCF API NOT AVAILABLE

Cause
The processing was interrupted and could not be completed.

Action
Retry processing after SCF is restarted.

SCF5450I

ESFTRURC ENTERED

Cause

SCAN/RECLAIM utility is executing.

Action

None.

SCF5451I

ESFTRURC EXITED, RC=xxxxxxx

Cause

SCAN/RECLAIM utility has completed.

Action

None.

SCF5452I

ASSIGNED TO SCF *emcscf*

Cause

The SCAN/RECLAIM utility is using SCF *emcscf*.

Action

None.

SCF5453I

SYSVTOC RESERVE MAX HOLD TIME = *n* SECONDS

Cause

The SYSVTOC RESERVE will be held a maximum of *n* hundredth seconds.

Action

None.

SCF5454I

SYSVTOC RESERVE AVG WAIT TIME = *n* SECONDS

Cause

After the SYSVTOC RESERVE is released, a minimum of *n* hundredth seconds will pass before the SYSVTOC RESERVE will be acquired again.

Action

None.

SCF5455I

RECLAIM METHOD = *method*

Cause

This message shows the reclaim method being used.

Action

None.

SCF5456I

SYSVTOC RESERVE WILL BE USED FOR SEGMENTS SMALLER THAN *count*

TRACKS AND OFFLINE DEVICES

Cause

While the SYSVTOC RESERVE is held, segments smaller than the indicated number of tracks will be processed. Also, offline devices will be processed while holding the SYSVTOC RESERVE.

Action

None.

SCF5457I

[POST]PASS# *nn* HAS PROCESSED *nnn* SEGMENTS INVOLVING *nnnnnn* TRACKS

Cause

After the pass has completed and the reserve released, this message identifies how many segments and tracks were processed while holding the reserve. A message starting with POSTPASS is issued to identify how many segments and tracks were processed while not holding the reserve.

Action

None.

SCF5458I

ESFTRURC FOUND ANOTHER TASK ACTIVE ON DEVICE, EXITING

Cause

The SCAN/RECLAIM utility has found another SCAN/RECLAIM running on the same device.

Action

None.

SCF5459I

PROCESSING DEVICE: *ccuu* - VOLSER: *volser*, DEVICE HAS
count CYLINDERS

Cause

This message identifies the device being processed for SCAN/RECLAIM.

Action

None.

SCF5460E

UNABLE TO LOCATE \$SASECSA

Cause

The SCAN/RECLAIM utility is not able to locate and identify the SCF address space.

Action

Ensure that the //SCF\$*nnnn* DD DUMMY statement in the JCL contains the correct SCF identifier. Contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

SCF5461E

UNABLE TO VALIDATE \$SASECSA

Cause

The \$SASECSA control block eye-catcher is invalid.

Action

Contact Dell EMC Technical Support.

SCF5462E

UNABLE TO LOCATE #SRXGBL

Cause

The SCAN/RECLAIM utility is not able to locate and identify the SRX global storage.

Action

Ensure that the //SCF\$nnnn DD DUMMY statement in the JCL contains the correct SCF identifier. Contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

SCF5463E

UNABLE TO LOCATE #SRXGBL_CMNAREA

Cause

The SCAN/RECLAIM utility is not able to locate and identify the SRX global storage common area.

Action

1) Ensure that the //SCF\$nnnn DD DUMMY statement in the JCL contains the correct SCF identifier. (2) Contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

SCF5464E

UNABLE TO VALIDATE #SRXGBL

Cause

The SCAN/RECLAIM utility is not able to locate and identify the SRX global storage.

Action

Ensure that the //SCF\$nnnn DD DUMMY statement in the JCL contains the correct SCF identifier. Contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

SCF5465E

UNABLE TO LOCATE SRXHTRU

Cause

The SCAN/RECLAIM utility is not able to locate and identify the TRU common storage header.

Action

Ensure that the //SCF\$nnnn DD DUMMY statement in the JCL contains the correct SCF identifier. Contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

SCF5466E

UNABLE TO VALIDATE SRXHTRU

Cause

The SCAN/RECLAIM utility is not able to locate and identify the TRU common storage

header.

Action

Ensure that the //SCF\$nnnn DD DUMMY statement in the JCL contains the correct SCF identifier. Contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

SCF5467E

```
PARAMETER "CCUU" NOT VALID
```

Cause

The CCUU parameter specified to the program is not a valid cchh. It must be a valid CCUU that is known by SCF.

Action

Correct the CCUU parameter to refer to the appropriate device. Ensure that SCF knows about the device.

SCF5468E

```
UNABLE TO LOCATE SRXDEV
```

Cause

The CCUU provided does not map to a TRU monitored device.

Action

Verify that the device is a valid TRU monitored device.

SCF5469E

```
UNABLE TO VALIDATE SRXDEV
```

Cause

The CCUU provided does not map to a TRU monitored device.

Action

Verify that the device is a valid TRU monitored device.

SCF5470E

```
RECLAIM CANNOT PROCESS AN OFFLINE DEVICE
```

Cause

The offline device does not contain a valid VTOC Index.

Action

Create a VTOC Index on the device.

SCF5471E

```
UNABLE TO LOCATE SRXDTRU
```

Cause

The CCUU provided does not map to a TRU monitored device.

Action

Verify that the device is a valid TRU monitored device.

SCF5472E

UNABLE TO VALIDATE SRXDTRU

Cause

The CCUU provided does not map to a TRU monitored device.

Action

Verify that the device is a valid TRU monitored device.

SCF5473E

DEVICE DOES NOT HAVE SDDF SESSION INFORMATION AVAILABLE

Cause

The CCUU provided does not map to a TRU monitored device.

Action

Verify that the device is a valid TRU monitored device.

SCF5474I

DEVICE SCAN

Cause

The SCAN/RECLAIM utility is being executed and performing a SCAN operation.

Action

None.

SCF5475I

DEVICE RECLAIM

Cause

The SCAN/RECLAIM utility is being executed and performing a RECLAIM operation.

Action

None.

SCF5476E

VOLUME LABEL *-label-* DOES NOT MATCH VOLSER IN UCB *-volser-*

Cause

The volume label has been read and contains the identity *label*. The device is online and the UCB contains the identity *volser*. Processing cannot be performed on this device until the *label* and *volser* match.

This typically means that the device has been cloned and the UCB has not been updated.

Action

Vary the device offline and then vary the device online again. This will cause z/OS to reprocess the volume label and correct the contents of the UCB.

SCF5477E

I/O ERROR ATTEMPTING TO READ VOLUME LABEL FOR DEVICE *ccuu*

Cause

An I/O error occurred while reading the volume label.

Action

Verify that the device is in a proper condition to be used. Rerun with DEBUG specified and send the resulting output to the Dell EMC Customer Support Center.

SCF5478E

```
DEVICE ccuu IS NOT BOUND OR NOT READY
```

Cause

A SCAN or RECLAIM has found that the device is not BOUND or NOT READY.

Action

None.

SCF5479W

```
ATTEMPT TO START RECLAIM IN SYMMETRIX FAILED, RC: xxxxxxxx SRC:  
xxxx
```

Cause

A request to the storage system to start the background reclaim activity has failed.

Action

Rerun with DEBUG specified and send the resulting output to the Dell EMC Customer Support Center.

SCF5480I

```
TRU command
```

Cause

This message echoes a TRU command issued.

Action

None.

SCF5481I

```
TRU command COMMAND COMPLETED
```

Cause

The indicated command has completed processing.

Action

None.

SCF5482I

```
TRU command COMMAND INVALID
```

Cause

The specified command is not supported.

Action

Check the spelling and specification of the command. Refer to the documentation to ensure it is a valid, supported command.

SCF5483I

```
TRU ENVIRONMENT HAS NOT BEEN ESTABLISHED, ACTIVATE TRU AND TRY  
AGAIN
```

Cause

The command was entered but the TRU environment is not active or has not completed

initialization.

Action

Ensure that the TRU environment is active. Ensure that SCF initialization has completed.

SCF5484I

```
TRU device ccuu not defined for Thin Reclaim
```

Cause

The indicated device is not a monitored device for TRU. The device was not found in SCF.TRU.DEV.INCLUDE.LIST or was excluded by SCF.TRU.DEV.EXCLUDE.LIST.

Action

If the device is to be monitored for TRU, then add it to SCF.TRU.DEV.INCLUDE.LIST and verify that the device is not excluded in SCF.TRU.DEV.EXCLUDE.LIST.
After updating the SCF initialization file, perform an SCF INI,REFRESH command followed by a TRU,REFRESH command.

SCF5485I

```
TRU DEVICE ccuu NOT A THIN DEVICE
```

Cause

The device is not a monitored device.

Action

Specify a valid monitored device.

SCF5486I

```
TRU all devices in range ccuu-ccuu are not defined for Thin Reclaim
```

Cause

Devices *ccuu-ccuu* are not a monitored devices for TRU. The devices were not found in SCF.TRU.DEV.INCLUDE.LIST or were excluded by SCF.TRU.DEV.EXCLUDE.LIST.

Action

If the devices are to be monitored for TRU, then add them to SCF.TRU.DEV.INCLUDE.LIST and verify that the devices are not excluded in SCF.TRU.DEV.EXCLUDE.LIST.
After updating the SCF initialization file, perform an SCF INI,REFRESH command followed by a TRU,REFRESH command.

SCF5487I

```
TRU DEVICE ccuu HAS SCHEDULED command
```

Cause

The command processing has notified the TRU Monitor subtask that the requested command is scheduled for processing on the indicated device.

Action

None.

SCF5488I

```
TRU IS CURRENTLY DISABLED
```

Cause

An operator command was entered for an action that is not permissible while TRU is disabled.

Action

The requested command will not be permitted until a TRU,ENABLE command is entered.

SCF5489I

```
TRU device ccuu now excluded from processing
```

Cause

The device is no longer a monitored device for TRU. The device was previously included in SCF.TRU.DEV.INCLUDE.LIST. However, the device was either removed from this list or is now part of SCF.TRU.DEV.EXCLUDE.LIST.

Action

See message SCF5484I if the device is to be included.

SCF5490I

```
TRU ENVIRONMENT INFORMATION DISPLAY
```

Cause

A TRU,DISPLAY command is being processed.

Action

None.

SCF5491I

```
TRU message-text
```

Cause

A TRU,DISPLAY command is being processed.

Action

None.

SCF5492I

```
TRU COMMANDS ARE: <command list and syntax>
```

Cause

A TRU,HELP command is being processed.

Action

None.

SCF5493I

```
TRU <help text>
```

Cause

A TRU,HELP command is being processed.

Action

None.

SCF5494I

```
TRU <dump text>
```

Cause

A TRU,DISPLAY command with DEBUG is being processed.

Action

None.

SCF5495I

```
TRU ENVIRONMENT DEVICE LIST DISPLAY
```

Cause

A TRU,DISPLAY DEVICE command is being processed.

Action

None.

SCF5496I

```
TRU message-text
```

Cause

A TRU,DISPLAY DEVICE command is being processed.

Action

None.

SCF5497I

```
TRU DEVICE ccuu IS NOT MONITORED
```

Cause

A SCAN or RECLAIM command has been issued against a device that is not being monitored.

Action

Correct your device number and try again.

SCF5498I

```
TRU ENVIRONMENT INFORMATION DISPLAY COMPLETE
```

Cause

The output from the TRU,DISPLAY command is complete.

Action

None.

SCF5499I

```
TRU DEBUG - <debug output>
```

Cause

DEBUG has been specified for the TRU Monitor.

Action

None.

SCF5500I

```
TRU command processing scheduled for sssss device[s][, nnnnn not defined][, ppppp not processed]
```

Cause

Summary message to indicated that command processing has been scheduled for *the* indicated number of devices. Additional fields are appended to the message where processing could not be scheduled:

- *nnnnn* not defined - Devices in a specified range were not defined to TRU.
- *ppppp* not processed - Other messages were issued to indicate that devices could not be processed. See those messages for any recommended actions.

Action

None.

SCF5513W

```
PRF INTERVAL DEFAULTING TO RMF
```

Cause

No user-defined interval was specified. The system RMF interval is used.

Action

None.

SCFENF2E

```
ENFxx device state change table exhausted
```

Cause

SCF monitors various device state changes such as Configuration changes, UCB swap processing, VARY ONLINE,OFFLINE, etc. A large number of requests where concurrently being performed which resulted in the state change table being exhausted. In this instance SCF will perform general REFRESH processing due to the extent of this change.

Action

None. If this issue occurs often, contact the Dell EMC Customer Support Center.

SCFENF3E

```
ENF23 ALESERV ADD request failed
```

Cause

This message indicates a possible resource shortage.

Action

Contact Dell EMC Customer Support.

CHAPTER 2

SRDF Host Component

EHCQD00I

INPUT PARMS

Cause

This message echoes Disk Reporter input parameters.

Action

None.

EHCQD01E

INVALID PARM STRING

Cause

The Disk Reporter input parameter string is invalid.

Action

Correct the parameter.

EHCQD02E

INVALID CUU

Cause

An invalid input parameter was specified for Disk Reporter.

Action

Correct the parameter.

EHCQD03E

UCB ADDRESS NOT FOUND

Cause

The UCB for the MVS device address specified in Disk Reporter parameters was not found.

Action

Specify a valid MVS device.

EHCQD04E

API CALL *vid* failed for UCB@: *ucb-address* R15: *r15* EMCRC: *emcrc*
EMCRS: *emcrs* EMCRCX: *emcrsx*

Cause

Disk Reporter issues this message when an API call is made that ended with a failure. The *vid* identifies the API call. The *r15*, *emcrc*, *emcrs*, and *emcrsx* provide error details.

Action

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation

available.

EHCQD05W

DISK ENTRIES WERE NOT FOUND

Cause

Disk Reporter issues this message when an API call did not return information about available physical drives.

Action

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EHCQD06E

JOB ENDED WITH ABEND CODE

Cause

An abend was detected in the Disk Reporter utility.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EHCQD07E

SYSPRINT NOT ALLOCATED

Cause

The SYSPRINT DD statement is missing in Disk Reporter JCL.

Action

Update the JCL with the //SYSPRINT DD statement.

EHCQD08E

SCF IS NOT AVAILABLE

Cause

SCF is not active. Disk Reporter requires SCF to be active.

Action

Start SCF.

EHCQD09E

TOO MANY HOPS WERE SPECIFIED

Cause

The hoplist specified for Disk Reporter contains more than four hops.

Action

Specify a valid hoplist and resubmit the job.

EMC9903I

TRACE ON

Cause

A DEBUG TRACE,ON command has been issued and the trace is now active.

Action

None.

EMC9904I

```
TRACE OFF
```

Cause

A DEBUG TRACE,OFF command has been issued and the trace is now inactive.

Action

None.

EMC9905I

```
TRACE RESET
```

Cause

A DEBUG TRACE,RESET command has been issued and the reset has been done.

Action

None.

EMC9906I

```
DEBUG MODE ON
```

Cause

A DEBUG ON command has been issued and the DEBUG diagnostics are now active.

Action

None.

EMC9908I

```
ESTAE RETRY ROUTINE ENTERED
```

Cause

An abend occurred in SRDF Host Component and the recovery routine has been called.

Action

Save the dump information. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

EMC9912I

```
DEBUG MODE OFF
```

Cause

A DEBUG OFF command has been issued and the DEBUG diagnostics are now inactive.

Action

None.

EMC9998W

```
Format 1:
```

SSID *ssid* message, RPTD BY *ccuu* N(*entry*)

Format 2:

SSID *ssid* RLD *rd* message, RPTD BY *ccuu* N(*entry*)

Format 3:

SSID *ssid* DEV *symdv*# message, RPTD BY *ccuu* N(*entry*)

Format 4:

SSID *ssid* DEV *symdv*# (*count*) message, RPTD BY *ccuu* N(*entry*)

Format 5:

SSID *ssid* RDFG *srdfgrp* message, RPTD BY *ccuu* N(*entry*)

Format 6:

RDF-ECA CGRP TRIP EVENT, RDFG *srdfgrp*, RPTD BY *ccuu* N(*entry*)

Format 7:

SRDF/A SESSION DROP, RC=*xx*, RDFG *gg*, RRPT BY *ccuu* N(*entry*)

Format 8:

SSID *ssid* LDIR *ld* RDIR *rd* message, RPTD BY *ccuu* N(*entry*)

Format 9:

SSID *ssid* RLD | RDFG *srdfgrp* message, RPTD BY *ccuu* N(*entry*)

Cause

A SIM message was received from a storage system.

The format of the EMC9998W message varies slightly depending on the exception code specified in the SIM notification. The following describes the exception codes intercepted by SRDF Host Component and the format of the corresponding EMC9998W message (the first column shows the code and the second column indicates the message format):

044D	8	An SRDF path was lost.
044E	8	An SRDF path is operational after a previous failure.
0488	1	Replication data pointer metadata usage reached 90-99%.
0489	1	Replication data pointer metadata usage reached 100%.
04BE	1	Metadata paging file system mirror Not Ready
1460	1	DYNAMIC SPARING INVOKED
147D	2	REMOTE LINK DIRECTOR PROBLEM/FAILURE
147E	1	SRDF ADAPTER LINK OPERATIONAL
146D	5	ALL LINKS OFFLINE
146E	5	ALL SRDF LINKS OPERATIONAL
E42F	9	A sync SRDF write failure has occurred.
E43E	6	RDF-ECA CONGROUP TRIP EVENT
E454	3	VOL SET TO ADAPTIVE COPY MODE

Note: E454 is issued when a long running channel program using suspend and resume logic is detected on an SRDF source (R1) volume, which is set to synchronous mode. Normally, this indicates that the volume contains an active page dataset. The storage system automatically changes this volume to the adaptive copy mode of operation.

E461	3	TARGET VOLUME RESYNC W/SOURCE
E462	3	SOURCE VOLUME RESYNC W/TARGET
E465	3	RESYNC PROCESS HAS BEGUN
E473	4	R1/L1/ML VOL IN NOT READY STATE
E474	4	R1 VOL SRDF WRITEDISABLED
E475	3,4	An SRDF R1 remote mirror is in a Not Ready state.
E4F9	4	R1 CONGROUP TASK INACT

Note: E4F9 occurs when the ConGroup task is terminated without first disabling active consistency groups and a situation occurs that would have otherwise triggered the consistency group. The data at the target may no longer be in a consistent state. Depending on the format, the message text shows the following values:

- *ssid* - Specifies the reporting SSID.
- *rd* - Specifies the remote link director number.

- *srdfgrp* - Specifies the SRDF group.
For Engenuity 5773 and earlier, the director number is reported instead of the group number.
- *symdv#* - Specifies the PowerMax or VMAX device number of the error device. The error device number field will be reported as a 4-byte PowerMax or VMAX device number where possible. Where the PowerMax or VMAX device number is not known, the device number will be reported as CH-xx where xx is the device address on the channel (index into the SSID table).
- *count* - Specifies the number of devices with the status note that the device numbers may not be contiguous.
For operating environment levels greater than 5874, the count is not displayed.
- *message* - Is the message text.
- *ccuu* - Specifies the reporting ccuu.
- *entry#* - Indicates the 4-digit entry number in the saved message buffers in SRDF Host Component. Saved messages can be displayed using the #SQ MSG command.

For message format 7, valid return codes for an SRDF/A drop have the following meaning:

```

10 MAX WP - NO HOST THROTTLE
11 MAX WP - HOST THROTTLE AT MAX
20 DEV NR AND TOLERANCE OFF
30 CGTRIP AND TOLERANCE OFF
40 LINKS LOST
41 SRDF/A LIMBO TIME EXCEEDED
50 MSC MODE WINDOW TIME OUT
60 TIMEOUT WAITING ON HA TO REPORT OLD I/O'S
62 ACTIVATION SEQUENCE ERROR - R2 INACTIVE
64 R1 SIDE DEACTIVATED AND R2 SIDE IS INACTIVE
70 SYSTEM POWER DOWN
71 SRDF/A LIMBO AND LINKS TAKEN OFFLINE
8X NEAR CACHE LIMIT

```

Action

Depending on the MESSAGE_PROCESSING initialization parameter, the SIM message may be saved by SRDF Host Component for later display using the #SQ MSG command. Issue an #SQ MSG,ALL command for further information about the error.

EMCAL00E

```
RCVT FAILED VALIDATION. AN INTERNAL ALIAS TABLE NOT BUILT
```

Cause

ALIAS= was specified but the RCVT table ID is invalid.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCAL01E

```
ADDRESS OF THE ALIAS TABLE NOT FOUND. AN INTERNAL ALIAS TABLE NOT BUILT
```

Cause

ALIAS= was specified but the alias table was not found.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCAL02E

```
EMCALIAS RETURN CODE=xxxxxx, REASON CODE=xxxxxx
```

Cause

The internal table ID failed validation.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCAL03E

```
UNABLE TO OBTAIN STORAGE FOR THE INTERNAL ALIAS TABLE
```

Cause

There was insufficient private area storage to hold the ALIAS table.

Action

Increase the REGION parameter on the EMCINIT procedure. REGION=0m is recommended.

EMCCC21E

```
SCCNFG ACTION NOT FOUND
```

Cause

This message denotes an internal error in SRDF Host Component.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCCC22E

```
SCCNFG RATE NOT FOUND
```

Cause

This message denotes an internal error in SRDF Host Component.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCCC23E

```
ADCOPY_MAX_SKEW NOT SUPPORTED AT THIS MICROCODE LEVEL
```

Cause

An #SC CNFG ADCOPY_MAX_SKEW command was issued for a storage system that was at Engenuity 5061 or a later level of the operating environment.

Action

Use the #SC VOL ADC_MAX command for this device.

EMCCC24E

```
ADCOPY_GLOBAL_RATE NOT SUPPORTED AT THIS MICROCODE LEVEL
```

Cause

An #SC CNFG ADCOPY_GLOBAL_RATE command was specified, but the storage system is at an operating environment level other than 5060.

Action

Use #SC VOL ADCOPY_RATE for this device.

EMCCC30W

```
SYNCH_DIRECTION SET AT THE CNFG LEVEL WILL NOT CHANGE THE
SYNCH_DIRECTION SET AT THE RDFGRP LEVEL. RDFGRP srdfgrp WILL NOT
BE CHANGED BY THIS COMMAND
```

Cause

An #SC CNFG SYNCH_DIRECTION command has been issued to a storage system that has at least one SRDF group that has SYNCH_DIRECTION set at the SRDF group level. This message is issued listing all SRDF groups that meet this condition.

Action

If you want the current command to change the entire storage system, then issue an #SC RDFGRP SYNCH_DIRECTION CNFG command for each SRDF group listed in the message. If you want the current command to not change the SYNCH_DIRECTION for the indicated SRDF group, ignore this message.

EMCCF00I

```
Devices are R1 on at least one mirror
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the !R1 filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF01I

```
Devices are not R1 on any mirror
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the R1 filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF02I

```
Devices are R2 on at least one mirror  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the !R2 filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF03I

```
Devices are not R2 on any mirror  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the R2 filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF04I

```
Devices are R11  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the !R11 filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF05I

```
Devices are not R11  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the R11 filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF06I

```
Devices are R21  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the !R21 filter. The devices listed did not satisfy the filter condition and consequently were

not processed by the command.

Action

None.

EMCCF08I

```
Devices are R22  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the !R22 filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF09I

```
Devices are not R22  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the R22 filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF0AI

```
Devices are valid R22 devices  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the !R22 filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF0BI

```
Devices are not valid R22 devices  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the R22 filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF0CI

```
Devices are in adaptive copy write pending mode
```

<list of devices>

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the !AW filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF0DI

Devices are not in adaptive copy write pending mode

<list of devices>

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the AW filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF0EI

Devices are in adaptive copy disk mode

<list of devices>

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the !AD filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF0FI

Devices are not in adaptive copy disk mode

<list of devices>

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the AD filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF10I

Devices are diskless

<list of devices>

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the !DL filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF11I

```
Devices are not diskless  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the DL filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF12I

```
Devices are thin devices  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the !TH filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF13I

```
Devices are not thin devices  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the TH filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF14I

```
Devices are BCV devices  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the !BC filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF15I

```
Devices are not BCV devices  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the BC filter. The devices listed did not satisfy the filter condition and consequently were not

processed by the command.

Action

None.

EMCCF16I

```
Devices are in a ConGroup  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the !CG filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF17I

```
Devices are not in a ConGroup  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the CG filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF18I

```
Devices are cache-only  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the !CO filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF19I

```
Devices are not cache-only  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the CO filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF1AI

```
Devices are consistency exempt
```

<list of devices>

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the !CX filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF1BI

Devices are not consistency exempt

<list of devices>

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the CX filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF1CI

Devices are in DOMINO mode

<list of devices>

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the !DO filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF1DI

Devices are not in DOMINO mode

<list of devices>

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the DO filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF1EI

Devices are FBA devices

<list of devices>

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the !FB filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF1FI

```
Devices are not FBA devices  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the FB filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF20I

```
Devices are FBA Meta devices  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the !FM filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF21I

```
Devices are not FBA Meta devices  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the FM filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF22I

```
Devices are FBA Meta head devices  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the !MH filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF23I

```
Devices are not FBA Meta head devices  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the MH filter. The devices listed did not satisfy the filter condition and consequently were not

processed by the command.

Action

None.

EMCCF24I

```
Devices are FBA Meta members  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the !MM filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF25I

```
Devices are not FBA Meta members  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the MM filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF28I

```
Devices are R1 capable  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the !Y1 filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF29I

```
Devices are not R1 capable  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the Y1 filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF2CI

```
Devices are R2 capable
```

<list of devices>

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the !R2 filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF2DI

Devices are not R2-capable

<list of devices>

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the R2 filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF30I

Devices are EAS devices

<list of devices>

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the !EA filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF31I

Devices are not EAS devices

<list of devices>

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the EA filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF32I

Devices are file system devices

<list of devices>

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the !FS filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF33I

```
Devices are not file system devices  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the FS filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF34I

```
Devices have invalid tracks  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the !IT filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF35I

```
Devices have no invalid tracks  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the IT filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF36I

```
Devices have R1 invalid tracks  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the !I1 filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF37I

```
Devices have no R1 invalid tracks  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the I1 filter. The devices listed did not satisfy the filter condition and consequently were not

processed by the command.

Action

None.

EMCCF38I

```
Devices have R2 invalid tracks  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the !I2 filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF39I

```
Devices have no R2 invalid tracks  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the !I2 filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF3AI

```
Devices have a link-blocked mirror  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the !LB filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF3BI

```
Devices have no link-blocked mirror  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the LB filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF3CI

```
Devices are power vault devices
```

<list of devices>

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the !PV filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF3DI

Devices are not power vault devices

<list of devices>

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the PV filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF3EI

Devices are RAID5

<list of devices>

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the !R5 filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF3FI

Devices are not RAID5

<list of devices>

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the R5 filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF40I

Devices are RAID6

<list of devices>

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the !R6 filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF41I

```
Devices are not RAID6  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the R6 filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF42I

```
Devices have status NR  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the !NR filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF43I

```
Devices do not have status NR  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the NR filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF44I

```
Devices have status R/W  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the !RW filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF45I

```
Devices do not have status R/W  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the RW filter. The devices listed did not satisfy the filter condition and consequently were not

processed by the command.

Action

None.

EMCCF46I

```
Devices have status R/O  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the !RO filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF47I

```
Devices do not have status R/O  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the RO filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF48I

```
Devices have status RWD  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the !WD filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF49I

```
Devices do not have status RWD  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the WD filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF4AI

```
Devices are RAID10
```

<list of devices>

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the !RX filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF4BI

Devices are not RAID10

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the RX filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF50I

Devices have status UNR

<list of devices>

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the !UNR filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF51I

Devices do not have status UNR

<list of devices>

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the UNR filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF52I

Devices have status TNR

<list of devices>

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the !TNR filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF53I

```
Devices do not have status TNR  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the TNR filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF54I

```
Devices have status RNR  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the !RNR filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF55I

```
Devices do not have status RNR  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the RNR filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF56I

```
Devices are thin unbound devices  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the !UB filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF57I

```
Devices are not thin unbound devices  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the UB filter. The devices listed did not satisfy the filter condition and consequently were not

processed by the command.

Action

None.

EMCCF58I

```
Devices are thin host-accessible devices  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the !BD filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCF59I

```
Devices are not thin host-accessible devices  
<list of devices>
```

Cause

An #SC VOL command was issued with the SELECT keyword parameter specifying the BD filter. The devices listed did not satisfy the filter condition and consequently were not processed by the command.

Action

None.

EMCCL00E

```
SPECIFIED DIRECTOR NUMBER NOT AN RA, ACTION NOT PERFORMED
```

Cause

An #SC LINK,*cuu,dir#*,{ONLINE|OFFLINE} command was issued.

Action

Issue the #SQ LINK,*cuu* command to find out the director number, and reenter the command.

EMCCL01R

```
SRDF IS GOING TO ALTER THE STATE OF AN RA LINK, REPLY CONTINUE TO  
PROCEED OR CANCEL TO TERMINATE
```

Cause

An #SC LINK,*cuu,dir#*,{ONLINE|OFFLINE} command was issued.

Action

Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCL06E

```
LINK DIRECTOR dir# ALREADY OFFLINE
```

Cause

An #SC LINK,*cuu,...*,OFFLINE command was requested; however, the director is already offline.

Action

Check the *cuu* and the director number. Check the SYSLOG for previously issued #SC LINK commands.

EMCCL07E

```
NO LINK DIRECTORS FOUND, REQUEST ABORTED
```

Cause

An #SC LINK,*cuu* command was specified, but no remote link directors were found.

Action

Specify the command again to an SRDF storage system.

EMCCL08E

```
LINK DIRECTOR dir# ALREADY ONLINE
```

Cause

An #SC LINK,*cuu,dir#,ONLINE* command was issued for a link that is already online.

Action

Issue an #SQ LINK,*cuu* command to determine the current status of the link.

EMCCL10W

```
CONFIGURE LINK PENDING FOR DIRECTOR dir#
```

Cause

An #SC LINK,*cuu* command was specified, and the requested director failed to go online or offline within 30 seconds.

Action

Continue to monitor the status of the links. If the links fail to go online or offline, contact the Dell EMC Customer Support Center.

EMCCL11E

```
No director/ports eligible for action
```

Cause

An SRDF Host Component command was issued but no directors or ports were found eligible for the specified action.

Action

Correct the specification and retry.

EMCCL78I

```
REQUESTED DIRECTORS PORTS  
HC_dir#(SymmWin_dir#)-port#
```

Cause

Lists ports on remote link directors for which a state change has been requested using the #SC LINK command with the port parameter specified.

Ports are presented in the format *HC_dir#(SymmWin_dir#)-port#* separated with semicolon.

Where:

- *HC_dir#* is the SRDF Host Component director number (hexadecimal).

- *SymmWin_dir#* is the SymmWin director number.
- *port#* is the hexadecimal port number for the specified *HC_dir#*.

Action

None.

EMCCL79I

```
COMPLETED DIRECTORS PORTS
HC_dir#(SymmWin_dir#)-port#
```

Cause

Lists ports on remote link directors for which a state change has been completed using the #SC LINK command with the port parameter specified.

Ports are presented in the format *HC_dir#(SymmWin_dir#)-port#* separated with semicolon.

Where:

- *HC_dir#* is the SRDF Host Component director number (hexadecimal).
- *SymmWin_dir#* is the SymmWin director number.
- *port#* is the hexadecimal port number for the specified *HC_dir#*.

Action

None.

EMCCM01I

```
For local device, mirror already exists in specified RDF group
```

Cause

An #SC VOL CREATEPAIR or CASCRE action was requested. This message is followed by a list of devices that could not be processed because they already are paired with a remote mirror in the SRDF group specified in the command.

Action

No pairs were created for the listed devices. To create the device pairs as specified in the command, first eliminate the pairing of the listed devices by means of DELETEPAIR, HDELETEPAIR or CASDEL.

EMCCM02I

```
For remote device, mirror already exists in specified RDF group
```

Cause

An #SC VOL CREATEPAIR action was requested. Following this message is a list of devices that could not be processed because they already are paired with a remote mirror in the other-side SRDF group of the SRDF group specified in the command.

Action

No pairs were created for the listed devices. To create the device pairs as specified in the command, first eliminate the pairing of the listed devices by means of DELETEPAIR or HDELETEPAIR.

EMCCM03I

```
Swap of local device would create invalid R21 state
```

Cause

An #SC VOL SWAP or HSWAP action was requested. Following this message is a list of

devices that could not be processed because the swap would result in a cascaded (R21) device which is disallowed because the device is on a storage system with an operating environment level lower than 5773.

Action

Examine each listed device to determine whether the device's exclusion from processing is an undesirable situation. If necessary, perform additional device processing to address the situation.

EMCCM04I

```
Swap of remote device would create invalid R21 state
```

Cause

An #SC VOL SWAP action was requested. Following this message is a list of devices that could not be processed because the swap would result in a cascaded (R21) device which is disallowed because the device is on a storage system with an operating environment level lower than 5773.

Action

Examine each listed device to determine whether the device's exclusion from processing is an undesirable situation. If necessary, perform additional device processing to address the situation.

EMCCM05E

```
Local and remote devices both R1
```

Cause

A dynamic SRDF action (SWAP, DELETEPAIR, or MOVEPAIR) was requested. Following this message is a list of devices that could not be processed because both the local device and its remote partner device are primary devices (R1s). This state can occur if the device or its partner has previously been the object of an HSWAP action.

Action

Examine each listed device to determine whether the corresponding half-action should be attempted instead. Alternatively, an HSWAP action could be performed on one or the other device of the pair to create a valid SRDF pair that may then be processed by the original action. If desired, take the corrective action and then reissue the command.

EMCCM06E

```
Local and remote devices both R2
```

Cause

A dynamic SRDF action (SWAP, DELETEPAIR, or MOVEPAIR) was requested. Following this message is a list of devices that could not be processed because both the local device and its remote partner device are secondary devices (R2s). This state can occur if the device or its partner has previously been the object of an HSWAP action.

Action

Examine each listed device to determine whether the corresponding half-action should be attempted instead. Alternatively, an HSWAP action could be performed on one or the other device of the pair to create a valid SRDF pair that may then be processed by the original action. If desired, take the corrective action and then reissue the command.

EMCCM07I

```
Local device will be R21, not supported
```

Cause

An #SC VOL SWAP, HSWAP, or CREATEPAIR action was requested. Following this message is a list of devices on the local side of the action that could not be processed because the action would result in a cascaded (R21) device which is not supported in the current configuration.

Action

Examine each listed device to determine whether the device's exclusion from processing is an undesirable situation. If necessary, perform additional device processing to address the situation.

EMCCM08I

```
Remote device will be R21, not supported
```

Cause

An #SC VOL SWAP, HSWAP, or CREATEPAIR action was requested. Following this message is a list of devices on the remote side of the action that could not be processed because the action would result in a cascaded (R21) device which is not supported in the current configuration

Action

Examine each listed device to determine whether the device's exclusion from processing is an undesirable situation. If necessary, perform additional device processing to address the situation.

EMCCM09I

```
Local device will be R22, not supported
```

Cause

An #SC VOL SWAP, HSWAP, or CREATEPAIR action was requested. Following this message is a list of devices on the local side of the action that could not be processed because the action would result in a concurrent R22 device which is not supported in the current configuration

Action

Examine each device to determine whether the device's exclusion from processing is an undesirable situation. If necessary, perform additional device processing to address the situation.

EMCCM0AI

```
Local device or mirror in offline RDF group
```

Cause

An #SC VOL action was requested. Following this message is a list of devices on the local side of the action that could not be processed because the SRDF group associated with the device mirror to be processed was offline. This results if no remote link director associated with the SRDF group is online and connected.

Action

Examine each listed device to determine whether the device's exclusion from processing is an undesirable situation. If necessary, determine whether the unavailability of remote link directors is due to a severing of the physical connection to the remote storage system.

EMCCM0BE

```
Devices to be R21 in cascaded triplet not std
```

Cause

An #SC VOL command with the CASCRES action has requested the creation of cascaded triplets. However, the partners of the devices listed, which will be the middle devices in the cascaded triplets, already have a remote mirror. The CASCRES action would require two new remote mirrors for the partner devices, and a device may not have three remote mirrors. Consequently, the request fails.

Action

Either delete the pair of which the devices in question are a partners or do not specify the devices as the middle devices in a CASCRES action.

EMCCMOCE

```
No free mirror slot for Lcl device
```

Cause

An #SC VOL CREATEPAIR or CASCRES action was requested. Following this message is a list of devices on the local side of the action that could not be processed because no mirror position is available for a new remote mirror for the device. (Four mirror positions are available for a device; two of these may be for remote mirrors.)

Action

For each listed device, issue an #SQ MIRROR command to determine the usage of the device mirrors. If a mirror position is utilized by a BCV relationship, terminate it if appropriate by issuing a TimeFinder SPLIT command. If an SRDF remote mirror is not needed, eliminate it by issuing an #SC VOL DELETEPAIR action.

EMCCMOCI

```
No free mirror slot for Lcl device
```

Cause

An #SC VOL CREATEPAIR or CASCRES action was requested. Following this message is a list of devices on the local side of the action that could not be processed because no mirror position is available for a new remote mirror for the device. (Four mirror positions are available for a device; two of these may be for remote mirrors.)

Action

For each listed device, issue an #SQ MIRROR command to determine the usage of the device mirrors. If a mirror position is utilized by a BCV relationship, terminate it if appropriate by issuing a TimeFinder SPLIT command. If an SRDF remote mirror is not needed, eliminate it by issuing an #SC VOL DELETEPAIR action.

EMCCMODI

```
No free mirror slot for Rmt partner of Lcl device
```

Cause

An #SC VOL CREATEPAIR or CASCRES action was requested. Following this message is a list of devices on the local side of the action whose intended partner that could not be processed because no mirror position is available for a new remote mirror for the remote device. (Four mirror positions are available for a device; two of these may be for remote mirrors.)

Action

For each listed device, issue an #SQ MIRROR command to determine the usage of the device mirrors of the intended device partner. If a mirror position is utilized by a BCV relationship, terminate it if appropriate by issuing a TimeFinder SPLIT command. If an SRDF remote mirror is not needed, eliminate it by issuing an #SC VOL DELETEPAIR action.

EMCCM0EI

Local and remote devices are different sizes

Cause

An #SC VOL CREATEPAIR, SWAP, or CASCRE action was requested. Following this message is a list of devices on the local side of the action that could not be processed because the intended partner of the device had a different size.

Action

A SWAP action is never permitted for a pair consisting of different-sized devices. However, if the action is CREATEPAIR or CASCRE, determine for each listed device whether the pairing being attempted is that intended. If so, you may specify the ADSRDF option to allow R1 devices to be paired with R2 devices the same size or larger. Note that ADSRDF has no effect if either device to be paired is diskless.

EMCCM0FI

Local device or mirror not R2

Cause

An #SC VOL action applying to secondary (R2) devices only was requested. Following this message is a list of devices on the local side of the action that could not be processed because the device is either not an SRDF device or is not secondary on the selected remote mirror. Depending on the action and options selected, the command may fail or the device may be skipped.

Action

None.

EMCCM10E

Remote device will be R22, not supported or invalid.

Cause

An #SC VOL SWAP, HSWAP, CASCRE, or CREATEPAIR action was requested. Following this message is a list of devices on the remote side of the action that could not be processed because the action would result in a concurrent R22 device which is not supported in the current configuration.

Action

Examine each listed device to determine whether the device's exclusion from processing is an undesirable situation. If necessary, perform additional device processing to address the situation.

EMCCM10I

Remote device will be R22, not supported or invalid.

Cause

An #SC VOL SWAP, HSWAP, CASCRE, or CREATEPAIR action was requested. Following this message is a list of devices on the remote side of the action that could not be processed because the action would result in a concurrent R22 device which is not supported in the current configuration.

Action

Examine each listed device to determine whether the device's exclusion from processing is an undesirable situation. If necessary, perform additional device processing to address the situation.

EMCCM11E

R2 device will be R21, not in ADCOPY-DISK mode

Cause

An #SC VOL SWAP, HSWAP, or CREATEPAIR action was requested. Following this message is a list of devices on the local side of the action that could not be processed because the device becoming a secondary (R2) device is already a primary (R1) device in a pairing which is not in ADCOPY-DISK mode.

Action

Examine each listed device to determine whether the device's current SRDF relationship should be modified to allow the action, for example, by setting it to ADCOPY-DISK mode. Make the modification and reissue the command.

EMCCM12E

R1 device will be R21, ADCOPY-DISK not requested

Cause

An SC VOL command was issued with a CREATEPAIR or SWAP action which results in an R21. The resulting R1 to R2 leg must be in ADCOPY-DISK mode but the ADCOPY-DISK flag was not specified.

Action

Re-issue the SC VOL command with the ADCOPY_DISK action; for example, CREATEPAIR(ADCOPY_DISK).

EMCCM12I

R1 device will be R21, ADCOPY-DISK not requested

Cause

An #SC VOL SWAP, HSWAP, or CREATEPAIR action was requested. Following this message is a list of devices on the local side of the action that could not be processed because the device becoming a primary (R1) device is already a secondary (R2) device in a pairing which is not in ADCOPY-DISK mode.

Action

Examine each listed device to determine whether the device's current SRDF relationship should be modified to allow the action, for example, by specifying the ADCOPY_DISK action flag. If desired, make the modification and reissue the command.

EMCCM13I

Partner of R1 not cascaded

Cause

A composite action (CASDEL, CASSWAP, CASSUSP, or CASRSUM) was requested. Following this message is a list of devices on the local side of the action that could not be processed because, although the device is paired, the partner device is not cascaded (R21).

Action

Examine each listed device to determine whether the device's exclusion from processing is an undesirable situation. If necessary, perform additional device processing to address the situation.

EMCCM14I

```
Lcl device or mirror not R1
```

Cause

A dynamic SRDF or composite action was requested. Following this message is a list of devices on the local side of the action that could not be processed because they, or the mirror designated by the specified SRDF group, are not primary (R1) devices as required by the particular action.

Action

Examine each listed device to determine whether the device's exclusion from processing is an undesirable situation. If necessary, perform additional device processing to address the situation.

EMCCM15I

```
Lcl device or mirror is SRDF/A
```

Cause

A dynamic SRDF or composite action was requested. Following this message is a list of devices on the local side of the action that could not be processed because they, or the mirror designated by the specified SRDF group, are under SRDF/A protection which would be adversely affected by the action. Mitigating settings that would have permitted the action, either specification of the CEXMPT action modifier or the tolerance mode flag in the SRDF/A group, are absent.

Action

Examine each listed device to determine whether the device's exclusion from processing is an undesirable situation. If necessary, perform additional device processing to address the situation. For example, you may specify the CEXMPT action modifier in the command or set tolerance mode for the underlying SRDF group, and then reissue the command.

EMCCM16E

```
RDF_SUSP failed
```

Cause

A CASSUSP action was requested. Following this message is a list of devices for which the component action RDF_SUSP was unsuccessful.

Action

Determine the cause of the failure and the current state of the triplet of which the indicated device is a part. As appropriate, issue commands to perform a backout or to complete the incomplete action in the event that the composite action has partially completed.

EMCCM17E

```
RDF_RSUM failed
```

Cause

A CASRSUM action was requested. Following this message is a list of devices for which the component action RDF_RSUM was unsuccessful.

Action

Determine the cause of the failure and the current state of the triplet of which the indicated device is a part. As appropriate, issue commands to perform a backout or to complete the incomplete action in the event that the composite action has partially completed.

EMCCM18I

Device not part of a valid pair

Cause

A dynamic SRDF action (SWAP, DELETEPAIR, or MOVEPAIR) was requested. Following this message is a list of devices that could not be processed because the remote partner of the device has no remote mirror. This state can occur if an HDELETEPAIR has been performed for all of the remote partner's remote mirrors.

Action

Examine each listed device to determine whether the device's exclusion from processing is an undesirable situation. If necessary, perform additional device processing to address the situation.

EMCCM19I

Local device not RDF

Cause

A dynamic SRDF action was requested. Following this message is a list of devices that could not be processed because the local device is neither a primary (R1) device or a secondary (R2) device. This state can occur if the device has never been paired via a CREATEPAIR action or when DELETEPAIR or HDELETEPAIR has been performed for all of the device's remote mirrors.

Action

Examine each listed device to determine whether the device's exclusion from processing is an undesirable situation. If necessary, perform additional device processing to address the situation.

EMCCM1AI

Devices bypassed because R1 is not TNR

Cause

An #SC VOL command was issued with an action that can take place only when the R1 devices involved are suspended. During the validation phase, the devices listed or their remote partners were found to be ready on the link, and are therefore ineligible to be processed. Consequently, these devices are skipped.

Action

None.

EMCCM1BI

Devices to be switched not R22

Cause

An #SC VOL command was issued with the R22SWTCH action. However, the devices listed are not R22 devices so the action does not apply to them. Consequently, these devices are skipped.

Action

None.

EMCCM1CI

Blocked mirror not in specified RDF group

Cause

An #SC VOL command was issued with the R22SWTCH action and the GRPONLY option. However, for the R22 devices listed, the link-blocked R2 mirror is not in the specified

SRDF group, so the action does not apply to those devices. Consequently, these devices are skipped.

Action

None.

EMCCM1DE

R2 of pair to be resumed blocked, R22ACT not specified

Cause

An #SC VOL command was issued with the RESUMEPAIR action. However, for the R1 devices listed, the R2 device is link-blocked and the R22ACT option was not specified. Consequently, for these device pairs, the pair cannot be resumed, so the R1 devices listed are skipped.

Action

If necessary, include the R22ACT option and reissue the command.

EMCCM1EE

Thick device violates thin-thick pairing rule

Cause

An #SC VOL command with a CREATEPAIR or CASCRE action was issued and the pair to be created would include a thin device and standard (thick) device. However, the standard devices listed were found to violate one or more of the following rules, which govern the creation of such thick-thin device pairs:

- The standard device may reside only on a storage system at Engenuity 5875 or a later level of the operating environment, 5773 (with patch 50154), or 5671.
- The standard device may not be a CKD device, but must be FBA.
- If the standard device resides on a storage system at Engenuity 5671, it may not be an R21 device.
- If the standard device resides on a storage system at Engenuity 5671 and is diskless, it may not be an R21 device.

Command processing is terminated at the completion of validation processing.

Action

Exclude the devices causing the error from the device range specified in the command.

EMCCM1FE

Thin device violates thin-thick pairing rule

Cause

An #SC VOL command with a CREATEPAIR or CASCRE action was issued and the pair to be created would include a thin device and standard (thick) device. However, the thin devices listed were found to violate one or more of the following rules, which govern the creation of such thick-thin device pairs:

- The thin device may reside only on a storage system at Engenuity 5875 or a later level of the operating environment.
- The thin device may not be an CKD device, but must be FBA.
- The thin device may not be an R22 device.

Command processing is terminated at the completion of validation processing.

Action

Exclude the devices causing the error from the device range specified in the command.

EMCCM20I

```
Remote device not RDF
```

Cause

A dynamic SRDF action (SWAP, HSWAP, DELETEPAIR, HDELETEPAIR, MOVEPAIR, or HMOVEPAIR) was requested. Following this message is a list of devices that could not be processed because the remote device of the pair is neither a primary (R1) device or a secondary (R2) device. This state can occur if DELETEPAIR or HDELETEPAIR has been performed for all of the remote device's remote mirrors.

Action

Examine each listed device to determine whether the device's exclusion from processing is an undesirable situation. If necessary, perform additional device processing to address the situation.

EMCCM21I

```
No remote mirror matching specified RDF group
```

Cause

A dynamic SRDF action (SWAP, HSWAP, DELETEPAIR, HDELETEPAIR, MOVEPAIR, or HMOVEPAIR) was requested using an #SC VOL command that included a LCL or RMT keyword. These keywords require specifying an SRDF group from which remote mirrors are to be selected. Following this message is a list of devices that could not be processed because no remote mirror for the device was in the specified SRDF group.

Action

Examine each listed device to determine whether the device's exclusion from processing is an undesirable situation. If necessary, perform additional device processing to address the situation.

EMCCM22I

```
R1 devices are not suspended
```

Cause

A dynamic SRDF or composite action was requested. Following this message is a list of devices on the local side of the action that could not be processed because they or their partners are primary (R1) devices that are not suspended, as required by the particular action.

Action

Examine each listed device to determine whether the device's exclusion from processing is an undesirable situation. If necessary, perform an RDF_SUSP for the listed devices and reissue the command.

EMCCM23I

```
Group not specified for concurrent R1 device
```

Cause

An #SC VOL command was issued. Following this message is a list of devices that could not be processed because they are concurrent devices. (A concurrent device is a device that has two remote mirrors, each in a different SRDF group.) The action specified in the command can be applied to only a single remote mirror of a device. However, no SRDF group was specified in the command, so for each of the listed device numbers, SRDF Host Component cannot determine the remote mirror on which to act.

Action

Reissue the command, specifying an SRDF group with the LCL keyword.

EMCCM25I

```
R22 mirror partners are mirrors on same R11
```

Cause

An #SC VOL command was issued which would cause the creation of an R22 device. However, the remote partner of each remote mirror of the R22 device would be the same R1 device. This configuration is not permitted, so for each of the listed device numbers, the command is not issued.

Action

Create R22 devices in the context of a standard 3-site configuration.

EMCCM2AE

```
R21 device remote mirrors on same Symm
```

Cause

An #SC VOL command was issued with a SWAP, HSWAP, or CREATEPAIR action. However, during command validation, it was determined that the command would result in the creation of a local R21 device, both of whose remote mirrors would reside on the same storage system. This loopback condition is not permitted. Consequently, the command has failed.

Action

Do not attempt to configure an R21 device in this way.

EMCCM2BE

```
Partner R21 device remote mirrors on same Symm
```

Cause

An #SC VOL command was issued with a SWAP, HSWAP, or CREATEPAIR action. However, during command validation, it was determined that the command would result in the creation of a remote R21 device, both of whose remote mirrors would reside on the same storage system. This loopback condition is not permitted. Consequently, the command has failed.

Action

Do not attempt to configure an R21 device in this way.

EMCCM2CI

```
Lcl device already has mirror in MOVEPAIR target group
```

Cause

An #SC VOL command with the MOVEPAIR action was issued. However, each of the devices listed already has a remote mirror in the specified target SRDF group. Consequently, the request has failed for the indicated device or pair.

Action

Either eliminate the problematic remote mirrors by specifying the DELETEPAIR, HDELETEPAIR, CASDEL, MOVEPAIR or HMOVEPAIR action and reissue the command, or do not include the devices in the command device range.

EMCCM2DI

Rmt device already has mirror in MOVEPAIR target group

Cause

An #SC VOL command with the MOVEPAIR action was issued. However, each of the devices listed already has a remote mirror in the other-side SRDF group of specified target SRDF group. Consequently, the request has failed for the indicated devices.

Action

Either eliminate the problematic remote mirrors by specifying the DELETEPAIR, HDELETEPAIR, CASDEL, MOVEPAIR, or HMOVEPAIR action and reissue the command, or do not include the devices in the command device range.

EMCCM2EI

Devices diskless, adding to non-diskless SRDF/A

Cause

An #SC VOL command with the CREATEPAIR or MOVEPAIR action was issued. Each of the devices listed is a local device, either a diskless device being paired (if LCLISR1 was specified or defaulted), a partner of a diskless device being paired (if LCLISR2 was specified), a diskless R1 device in a pair whose SRDF group is to be changed, or the partner of a diskless R1 device whose SRDF group is to be changed. However, there is an active SRDF/A session on the target SRDF group of the action, and this SRDF/A session has non-diskless devices. The action would thus result in an SRDF/A session with both diskless and non-diskless device, which is not permitted. Consequently, the action has failed.

Action

Check that the correct gatekeeper, SRDF group, and devices were specified in the command. If all parameters are correct, examine your configuration and select an appropriate course of action, bearing in mind the non-mixed device requirement of SRDF/A and your SRDF group composition requirements.

EMCCM2FI

Devices not diskless, adding to diskless SRDF/A

Cause

An #SC VOL command with the CREATEPAIR or MOVEPAIR action was issued. Each of the devices listed is a local device, either a non-diskless device being paired (if LCLISR1 was specified or defaulted), a partner of a non-diskless device being paired (if LCLISR2 was specified), a non-diskless R1 device in a pair whose SRDF group is to be changed, or the partner of a non-diskless R1 device whose SRDF group is to be changed. However, there is an active SRDF/A session on the target SRDF group of the action, and this SRDF/A session has diskless devices. The action would thus result in an SRDF/A session with both diskless and non-diskless device, which is not permitted. Consequently, the action has failed.

Action

Check that the correct gatekeeper, SRDF group, and devices were specified in the command. If all parameters are correct, examine your configuration and select an appropriate course of action, bearing in mind the non-mixed device requirement of SRDF/A and your SRDF group composition requirements.

EMCCM30I

Device will be R22, Engenuity level not 5874

Cause

An #SC VOL command was issued which would cause the creation of an R22 device.

However, the device would reside on a storage system whose operating environment level does not support R22 devices. The command is rejected. Each of the device numbers listed is that of a device that was to become an R22 device.

Action

Create R22 devices on a storage system on which such a device is supported.

EMCCM31I

```
Device partner will be R22, Engenuity level not 5874
```

Cause

An #SC VOL command was issued which would cause the creation of an R22 device. However, the device would reside on a storage system whose operating environment level does not support R22 devices. The command is rejected. Each of the device numbers listed is that of the partner of a device that was to become an R22 device.

Action

Create R22 devices on a storage system on which such a device is supported.

EMCCM32I

```
R2 device will be R21, not in ADCOPY mode
```

Cause

An #SC VOL command was issued which would cause an already-paired diskless R1 device to become an R21 cascaded device. However, for each of the device numbers listed, the existing device pair is not in ADCOPY write-pending mode, so the R21 <-> R2 pair would likewise not be in ADCOPY write-pending mode, which is a requirement for diskless cascaded devices. The command is skipped for each device listed.

Action

Modify existing pairs by issuing an #SC VOL command with the ADCOPY action. Then reissue the original command.

EMCCM33I

```
R1 device will be R21, ADCOPY not requested
```

Cause

An #SC VOL command was issued which would result in the creation of an R21 <-> R2 pair with the R21 device diskless. However, the ADCOPY flag was not specified in the command, so for each of the device numbers listed, the R21 <-> R2 pair would not be in ADCOPY write-pending mode, which is a requirement for diskless cascaded devices. The command is skipped for each device listed.

Action

Reissue the command, specifying the ADCOPY flag.

EMCCM34I

```
DRDF non-composite action, Lcl device diskless
```

Cause

An #SC VOL command was issued which would result in the creation of one or more R1<->R2 or R1<->R21> device pairs with the R1 device diskless. This is not permitted, so the command is skipped for each device listed.

Action

Redetermine the intended device configuration and issue the necessary command.

EMCCM35I

DRDF non-composite action, Rmt device diskless

Cause

An #SC VOL command was issued which would result in the creation of one or more R21<->R2 or R1<->R2> device pairs with the R2 device diskless. This is not permitted, so the command is skipped for each device listed.

Action

Redetermine the intended device configuration and issue the necessary command.

EMCCM36I

CASCRE action, Lcl device diskless

Cause

An #SC VOL command with the CASCRE action was issued which, for one or more instances, would result in a cascaded triplet with the local device (which may be R1 or R2) diskless. This is not permitted, so the command is skipped for each device listed.

Action

Redetermine the intended device configuration and issue the necessary command.

EMCCM37I

CASCRE action, Far device diskless

Cause

An #SC VOL command with the CASCRE action was issued which, for one or more instances, would result in a cascaded triplet with the far device (which may be R1 or R2) diskless. This is not permitted, so the command is skipped for each device listed.

Action

Redetermine the intended device configuration and issue the necessary command.

EMCCM38I

CREATEPAIR action, both partners diskless

Cause

An #SC VOL command with the CREATEPAIR action was issued which, for one or more instances, would result in an R1<->R2 pair with both the R1 and the R2 diskless. This is not permitted, so the command is skipped for each device listed.

Action

Redetermine the intended device configuration and issue the necessary command.

EMCCM39I

CREATEPAIR denied, SRDF/A active on target RDF group *srdfgrp*

Cause

An #SC VOL command with the CREATEPAIR action was issued. The SRDF group specified in the command has SRDF/A active, but tolerance mode is off and the CEXMPT flag was not specified. This is not permitted, so the command fails.

Action

If appropriate, set tolerance mode on for the SRDF/A session or specify the CEXMPT flag in the command, and reissue the command.

EMCCM3AI

R22 devices not validated, cannot be activated

Cause

An #SC VOL command was issued for an action whose completion involves the resumption of SRDF activity of one or more device pairs. However, for the devices listed, the secondary device of each pair is an R22 device for which the R2 mirror participating in the action is inactive. Validation of the R22 devices to ensure the existence of a corresponding unique R11 source device for both R2 mirrors has failed. Consequently, activation of the participating R2 mirror could not take place, and the command has failed for the listed devices.

Action

Configure the R22 devices so that validation will succeed. Validation of R22 devices is described in the *SRDF Host Component for z/OS Product Guide*. Once this has been done, reissue the command.

EMCCM3BE

Device valid in Env 1, not Env 2

Cause

An #SC VOL composite action was requested. Following this message is a list of R21 devices (or for CASCRES, devices to become R21 devices) that were successfully validated in environment 1 but not in environment 2. Because of this discrepancy, the action fails.

Action

For each listed device, examine other messages that were issued during command validation to determine the reason for validation failure. After taking corrective action, reissue the command.

EMCCM3CE

Device valid in Env 2, not Env 1

Cause

An #SC VOL composite action was requested. Following this message is a list of R21 devices (or for CASCRES, devices to become R21 devices) that were successfully validated in environment 2 but not in environment 1. Because of this discrepancy, the action fails.

Action

For each listed device, examine other messages that were issued during command validation to determine the reason for validation failure. After taking corrective action, reissue the command.

EMCCM3DI

Devices ready, not resumed

Cause

An #SC VOL command with the CASRSUM or RDF_RSUM action was issued. Each of the devices listed is an R1 device on the applicable mirror and is ready on the link. Consequently, the listed devices will not be processed.

Action

None. This message is informational only.

EMCCM3EI

Second RDF relationship between same devices denied

Cause

An #SC VOL command was issued with a CREATEPAIR action. The devices listed are already paired with the device with which the command is attempting to pair them. The command has consequently failed for these devices.

Action

Check the device range, the SRDF group, and the gatekeeper specified in the command. If necessary, make appropriate corrections and reissue the command.

EMCCM3FI

CEXMPT suppressed for devices

Cause

An #SC VOL command was issued with an action specifying the CEXMPT option. However, for the devices listed, SRDF/A is not active on the applicable SRDF group. Consequently, the CEXMPT option is not needed for these devices, and has been suppressed.

Action

None.

EMCCM40I

Local devices owe invalid tracks to the remotes

Cause

An #SC VOL command was issued with an action that is denied if any devices in the device range have invalid tracks and the FORCE option is not specified. The local devices listed were found to have invalid tracks. Consequently, the command has been terminated following completion of device validation.

Action

If appropriate, specify the FORCE option. Otherwise, determine the reason that invalid tracks were found.

EMCCM41I

Remote devices have invalid tracks

Cause

An #SC VOL command was issued with an action that is denied if any devices in the device range have invalid tracks and the FORCE option is not specified. The remote partners of the devices listed were found to have invalid tracks. Consequently, the command has been terminated following completion of device validation.

Action

If appropriate, specify the FORCE option. Otherwise, determine the reason that invalid tracks were found.

EMCCM42I

Local devices have write pendings

Cause

An #SC VOL command was issued with a dynamic SRDF or composite action. However, each device listed is ineligible for processing because write pendings exist for the device.

Action

Write pendings are eventually converted to invalid tracks. Reissue the command after a short period of time. If the write pendings persist, contact the Dell EMC Customer Support Center for instructions in obtaining diagnostic data.

EMCCM43I

Remote devices have write pendings

Cause

An #SC VOL command was issued for a dynamic SRDF or composite action. However, each device listed is ineligible for processing because write pendings exist for the device.

Action

Write pendings are eventually converted to invalid tracks. Reissue the command after a short period of time. If the write pendings persist, contact the Dell EMC Customer Support Center for instructions in obtaining diagnostic data.

EMCCM44I

R2 devices are write-enabled

Cause

An #SC VOL command was issued with the CASRSUM or RESUMEPAIR action. However, the R2 devices of the pairs being resumed are write-enabled (R/W state). This prevents the corresponding partner R1 devices from being resumed, so the action fails with a validation error.

Action

If desired, you may set the devices to a write-disabled state by issuing an #SC VOL command with the R/O action. Then reissue the original command.

EMCCM45I

Lcl devices eligible because RCVRY specified

Cause

An #SC VOL command was issued with a dynamic SRDF or composite action specifying the RCVRY option. Each device listed is eligible for processing but would have been ineligible for processing if RCVRY had not been specified.

Action

None.

EMCCM46I

Rmt devices eligible because RCVRY specified

Cause

An #SC VOL command was issued with a dynamic SRDF or composite action specifying the RCVRY option. Each device listed is eligible for processing but would have been ineligible for processing if RCVRY had not been specified.

Action

None.

EMCCM49E

Both devices of pair would be R21

Cause

An #SC VOL command was issued with a CREATEPAIR, SWAP, or CASSWAP dynamic SRDF action that would result in paired R21 devices. This configuration is not permitted, so the command has failed. The list identifies the local devices for the pairs that would have violated the R21 pairing prohibition.

Action

Analyze the desired configuration and adjust the command so as not to attempt creation of paired R21 devices.

EMCCM4AE

```
Suspend/Resume, all R1 Lcl mirrors have invalids
```

Cause

An #SC VOL command was issued with a CASSUSP or CASRSUM action. However, for a locally mirrored device, all local mirrors were found to have invalid tracks. A suspend or resume action cannot be processed in this situation. Consequently, the action has been bypassed for the listed devices.

Action

Reissue the command. If the problem reoccurs, contact the Dell EMC Customer Support Center. Be prepared to supply the serial number of the storage system on which the listed devices reside.

EMCCM4BE

```
Devices would be concurrent BCV
```

Cause

An #SC VOL command was issued with a CREATEPAIR or CASCRE action, but the indicated local devices to be paired are BCVs that are already paired with remote devices. A BCV may not have more than one remote mirror, so the command has failed for the indicated devices.

Action

Examine the command to ensure that the gatekeeper, all SRDF groups, and all device numbers specified are correct. If not, correct the error and reissue the command. Otherwise, do not attempt to create a concurrent BCV device.

EMCCM4CE

```
Partners of devices would be concurrent BCV
```

Cause

An #SC VOL command was issued with a CREATEPAIR or CASCRE action, but the indicated local devices would be paired with remote devices that are BCVs already paired with other devices. A BCV may not have more than one remote mirror, so the command has failed for the indicated devices.

Action

Examine the command to ensure that the gatekeeper, all SRDF groups, and all device numbers specified are correct. If not, correct the error and reissue the command. Otherwise, do not attempt to create a concurrent BCV device.

EMCCM4DE

```
Remote partner device has different partner
```

Cause

Devices in an action were found to have a mismatch in the remote devices. The remote

partner device is actually paired with a different partner. Consequently, the local device is not part of a valid SRDF pair and is not eligible for the entered action. The devices were skipped.

Action

The devices were skipped. However, you can issue an #SC VOL command with a half action (HSWAP, HDELETEPAIR, or HMOVEPAIR) to accomplish the device state change.

EMCCM4EE

Devices eligible because GDDR specified (Lcl)

Cause

While processing an #SC VOL command, a condition that would cause the action to fail for the listed devices was ignored because that action is permitted for Dell EMC GDDR processing even when the error condition exists. The conditions that were encountered and ignored may be indicated in other messages. Other error conditions that cannot be disregarded may subsequently have been detected and caused the action to fail.

Action

None.

EMCCM4FE

Devices eligible because GDDR specified (Rmt)

Cause

While processing an #SC VOL command, a condition that would cause the action to fail for the partners of the listed devices was ignored because that action is permitted for Dell EMC GDDR processing even when the error condition exists. The conditions that were encountered and ignored may be indicated in other messages. Other error conditions that cannot be disregarded may subsequently have been detected and caused the action to fail.

Action

None.

EMCCM50I

Lcl devs while pairing FBA Meta/non-Meta

Cause

An #SC VOL command was issued with a CREATEPAIR or CASCRE action. However, for each device listed, either the device was an FBA meta and its intended remote partner was an FBA non-meta or the device was an FBA non-meta and its intended remote partner was an FBA meta. Since such a pairing is not permitted, the listed devices are set ineligible for the action.

Action

Do not attempt to pair FBA meta devices with FBA non-meta devices.

EMCCM51I

Lcl devs while pairing FBA/non-FBA

Cause

An #SC VOL command was issued with a CREATEPAIR or CASCRE action. However, for each device listed, either the device was an FBA device and its intended remote partner was not or the listed device was not an FBA device and its intended remote partner was. Since such a pairing is not permitted, the listed devices are set ineligible for the action.

Action

Do not attempt to pair FBA devices with non-FBA devices.

EMCCM52I

```
Lcl devs while pairing FBA Meta head/non-head
```

Cause

An #SC VOL command was issued with a CREATEPAIR or CASCRE action. However, for each device listed, either the device was an FBA meta head and its intended remote partner was an FBA meta member or the device was an FBA meta member and its intended remote partner was an FBA meta head. Since such a pairing is not permitted, the listed devices are set ineligible for the action.

Action

Do not attempt to pair FBA meta head devices with FBA meta member devices.

EMCCM53I

```
Lcl devs while pairing FBA Meta unequal device counts
```

Cause

An #SC VOL command was issued with a CREATEPAIR or CASCRE action. However, for each device listed, the FBA meta group for the device and the FBA meta group for its intended remote partner have unequal device counts. Since only FBA meta groups with equal device counts may be paired, the listed devices are set ineligible for the action.

Action

Do not attempt to pair FBA meta groups with different device counts.

EMCCM54I

```
Lcl devs while pairing FBA Meta unequal stripe sizes
```

Cause

An #SC VOL command was issued with a CREATEPAIR or CASCRE action. However, for each device listed, the FBA meta group for the device and the FBA meta group for its intended remote partner have unequal stripe sizes. Since only FBA meta groups with equal stripe sizes may be paired, the listed devices are set ineligible for the action.

Action

Do not attempt to pair FBA meta groups with different stripe sizes.

EMCCM55I

```
Lcl devs while pairing FBA Meta unequal member sizes
```

Cause

An #SC VOL command was issued with a CREATEPAIR or CASCRE action. However, for each device listed, the FBA meta group for the device and the FBA meta group for its intended remote partner have unequal member sizes. Since only FBA meta groups with equal member sizes may be paired, the listed devices are set ineligible for the action.

Action

Do not attempt to pair FBA meta groups with different member sizes.

EMCCM56I

```
CASRSUM denied, R2 partner has R1 invalids
```

Cause

An #SC VOL command was issued with a CASRSUM action. However, invalid R1 tracks exist on the remote R2 or R21 partner of each device indicated, and the action has failed for the triplet including that device.

Action

Before resuming device pairs for which invalid R1 tracks exist on the R2 device, it is necessary to determine whether these tracks should be used to update the R1 device or whether the invalid tracks should be discarded and normal SRDF replication from the R1 to the R2 device should resume. Follow guidelines in the *SRDF Host Component for z/OS Product Guide* for making this determination and follow the procedures indicated. Then reissue the command as needed.

EMCCM57E

```
Lcl diskless, Rmt on pre-5773: pairing denied
```

Cause

An #SC VOL command with a CASCRE or CREATEPAIR action was entered. During validation, it was determined that a diskless device on the local storage system was to be paired with a device on a storage system with operating environment level lower than 5773. Such a device pair is not supported, so the command has failed. No device pairs or triplets have been created by the command. The devices listed are the local devices of the pairing attempt for which this error was detected.

Action

Do not attempt to create such device pairs or triplets. When creating device pairs via the CASCRE action in which the remote or far devices reside on a storage system with operating environment level lower than 5773, ensure that the local or remote device range contains no diskless devices. When creating device pairs via the CREATEPAIR action in which the remote devices reside on a storage system with operating environment level lower than 5773, ensure that the local device range contains no diskless devices.

EMCCM58E

```
Rmt diskless, Lcl on pre-5773: pairing denied
```

Cause

An #SC VOL command with a CASCRE or CREATEPAIR action was entered. During validation, it was determined that a diskless device on the remote or far storage system was to be paired with a device on a storage system with operating environment level lower than 5773. Such a device pair is not supported, so the command has failed. No device pairs or triplets have been created by the command. The devices listed are the local devices of the pairing attempt for which this error was detected.

Action

Do not attempt to create such device pairs or triplets. When creating device pairs via the CASCRE action in which the local or remote devices reside on a storage system with operating environment level lower than 5773, ensure that the local or remote device range contains no diskless devices. When creating device pairs via the CREATEPAIR action in which the remote devices reside on a storage system with operating environment level lower than 5773, ensure that the local device range contains no diskless devices.

EMCCM59E

```
Lcl cache partition group mismatch
```

Cause

An #SC VOL command was issued with a CREATEPAIR, CASCRE, or MOVEPAIR action that would result in a device pair being added to an SRDF group in which SRDF/A is currently active. Each of the listed devices would become a local device in the SRDF/A

session but is in a different cache partition group from the local devices already in the SRDF/A group. Since all devices on the local side of an SRDF/A session must have the same cache partition group, the command has failed for the indicated devices.

Action

If appropriate, adjust the cache partition assignments of the listed devices as described under Dynamic Cache Partitioning in the *ResourcePak Base for z/OS Product Guide*. Then reissue the command.

EMCCM5AE

```
Rmt cache partition group mismatch
```

Cause

An #SC VOL command was issued with a CREATEPAIR, CASCRE, or MOVEPAIR action that would result in a device pair being added to an SRDF group in which SRDF/A is currently active. Each of the listed devices listed would become a local device in the SRDF/A session but the device's remote partner is in a different cache partition group from the remote devices already in the SRDF/A group. Since all devices on one side of an SRDF/A session must have the same cache partition group, the command has failed for the indicated devices.

Action

If appropriate, adjust the cache partition assignments of the intended remote partners of the listed devices as described under Dynamic Cache Partitioning in the *ResourcePak Base for z/OS Product Guide*. Then reissue the command.

EMCCM5BE

```
Patch missing for R22 support on Lcl 5773
```

Cause

An #SC VOL command was issued with a CREATEPAIR, CASCRE, SWAP, HSWAP, or CASSWAP action that would result in the creation of one or more R22 devices on a storage system running Enginuity 5773. However, a patch that is required for support of R22 devices on the Enginuity 5773 system is missing. Consequently, the command has failed. The devices listed are those that would become R22 devices on the Enginuity 5773 storage system that is missing the patch.

Action

Contact your Dell EMC Customer Support Representative to arrange for installation of the required patch. The serial number of the storage system missing the patch can be found in one of the EMCGM40I, EMCGM4BI, or EMCGM4CI messages that has been issued as a result of command processing.

EMCCM5CE

```
Patch missing for R22 support on Rmt 5773
```

Cause

An #SC VOL command was issued with a CREATEPAIR, CASCRE, SWAP, HSWAP, or CASSWAP action that would result in the creation of one or more R22 devices on a storage system with Enginuity 5773. However, a patch that is required for support of R22 devices on the Enginuity 5773 system is missing. Consequently, the command has failed. The devices listed are those that would be paired with remote devices that would become R22 devices on the Enginuity 5773 storage system that is missing the patch.

Action

Contact your Dell EMC Customer Support Representative to arrange for installation of the required patch. The serial number of the storage system missing the patch can be found in

one of the EMCGM40I, EMCGM4BI, or EMCGM4CI messages that has been issued as a result of command processing.

EMCCM5DI

```
Lcl RAID10 members skipped
```

Cause

An #SC VOL command was issued with a device range that included RAID10 members. During command processing, the listed devices were ignored, because a RAID10 member is only processed through its associated RAID10 head device. Processing continues normally. This message does not indicate an error, nor does it imply that the device range includes the associated RAID10 head device.

Action

None.

EMCCM5FI

```
Devices skipped, not selected
```

Cause

An SRDF Host Component device-oriented command was issued. The command included the SELECT keyword parameter, specifying a criterion for selecting devices to be processed. However, the devices listed did not satisfy the selection criterion specified, and are therefore not eligible for processing by the current command.

Action

None. This condition is not an error. For further information, consult the description of the SELECT keyword parameter in the *SRDF Host Component for z/OS Product Guide*.

EMCCM60E

```
Cannot pair thin and thick devices
```

Cause

An #SC VOL CREATEPAIR command requested creation of one or more SRDF device pairs between a thin device and a device that is not thin. This is not permitted for the operating environment levels of the storage systems on which the devices reside, causing the command to fail for the listed devices.

Action

Do not attempt such a pairing. If the error resulted from incorrect specification of the device range, correct the error and resubmit the command.

EMCCM61E

```
Unbound thin devices, cannot be paired
```

Cause

An #SC VOL CREATEPAIR command requested creation of one or more SRDF device pairs between two devices, one of which is an unbound thin device. Such a device cannot be explicitly specified in an SRDF Host Component #SC VOL command. Consequently, the command has failed for the indicated devices.

Action

Do not attempt such an action. If the error resulted from incorrect specification of the device range, correct the error and resubmit the command. Otherwise, consult the *ResourcePak Base for z/OS Product Guide* for information on thin device pools, and bind the device as required.

EMCCM62E

Back-end thin devices, cannot be paired

Cause

An #SC VOL command specified one or more devices which are configured as a thin data device. Only thin front-end devices may be explicitly specified in an SRDF Host Component SC VOL command. Consequently, the command has failed for the indicated devices.

Action

Do not attempt such an action. If the error resulted from incorrect specification of the device range, correct the error and resubmit the command.

EMCCM63E

MOVEPAIR to SRDF/A group has wrong polarity

Cause

An #SC VOL command with the MOVEPAIR action was specified. SRDF/A was active on the target SRDF group and CEXMPT was specified as required. However, it was determined that the primary device of one or more device pairs to be moved would be on the secondary side of the SRDF/A session. The devices listed are the local devices of these pairs.

Action

Verify that the target SRDF group and the device range are specified correctly in the command. Then determine whether one or more device pairs should be swapped before attempting the action.

EMCCM64E

CREATEPAIR to SRDF/A group has wrong polarity

Cause

An #SC VOL command with the CREATEPAIR action was specified. SRDF/A was active on the target SRDF group and CEXMPT was specified as required. However, it was determined that the primary device of one or more device pairs to be created would be on the secondary side of the SRDF/A session. The devices listed are the local devices of these pairs.

Action

Verify that the target SRDF group and the device range are specified correctly in the command. Then determine whether one or more device pairs should be swapped before attempting the action.

EMCCM65E

Device is R22 but blocked on both mirrors

Cause

An #SC VOL command with an R22SWTCH action was issued. However, the action is not possible on the devices listed because both mirrors are blocked. Consequently, the command has been skipped for the listed devices.

Action

Analyze the current SRDF relationships to determine whether the blocked state for both mirrors is correct. An R22 device should not have both mirrors blocked if there is a unique R11 source for the R22 device. If a valid R22 device is blocked on both mirrors, it may be

necessary to delete and recreate device pairs to unblock the mirror that is blocked but should not be.

EMCCM66E

Devices not blocked on mirror in specified group

Cause

An #SC VOL command with an R22SWTCH action including the GRPONLY option was issued. However, for the R22 devices listed, the mirror in the specified SRDF group is not blocked. Consequently, the command has been skipped for the listed devices.

Action

None.

EMCCM67E

Attempt to pair FBA Meta striped and non-striped

Cause

An #SC VOL command with the CREATEPAIR or CASCRE action was issued. During validation, it was determined that the command is attempting create device pairs between an FBA Meta striped device and an FBA Meta concatenated device. This is not possible, so the command has failed for the listed devices.

Action

Do not attempt to create such device pairs.

EMCCM6AE

R2 partner blocked, has R1 invalids

Cause

An #SC VOL command with a resume action was issued. During device validation, it was discovered that the remote partners of the listed devices were link-blocked on the R2 mirror of the leg to be resumed and that those mirrors had R1 invalid tracks. Resume actions are disallowed in this situation. Consequently, the resume action has failed for the listed devices.

Action

For partner devices that are valid R22 devices, an R22SWTCH action can be requested to unblock the mirror that is link-blocked. Appropriate refresh and refresh-resume processing will then make the R1 devices ready on the link. Consult the *SRDF Host Component for z/OS Product Guide* for information on R22 device behavior and on this specific procedure.

EMCCM6DE

SRDF/A cleanup pending for Lcl devices

Cause

An #SC VOL command was entered. For the action specified in the command, device pairs in an SRDF group on which an SRDF/A session is active are not eligible to be processed. However, although the SRDF/A session on the SRDF group specified in the command has terminated, SRDF/A cleanup has not yet completed for the local devices listed in the message. Consequently, these device pairs are not eligible for processing. If the FORCE option was specified, the command will be processed for eligible device pairs; otherwise, the command is aborted.

Action

Wait for device-level SRDF/A session cleanup to complete and reissue the command.

EMCCM6EE

```
SRDF/A cleanup pending for Rmt devices
```

Cause

An #SC VOL command was issued but the action was blocked because SRDF/A cleanup is required.

Action

If cleanup is in process, wait until it completes and re-issue the action. Otherwise, initiate SRDF/A cleanup processing if appropriate.

EMCCM73E

```
R2 of pair blocked, recovery procedures are required
```

Cause

An #SC VOL command was issued and the corresponding R22 mirror is blocked.

Action

Ensure that the command was issued to the correct group. If you wish to unblock the requested mirror, issue #SC VOL with the R22SWTCH action. Recovery procedures will be required (described in the *SRDF Host Component for z/OS Product Guide*).

EMCCM74E

```
Devices ineligible, SRDF/A mirror cannot be blocked
```

Cause

An attempt was made to link-block a mirror that has SRDF/A active upon it.

Action

Discontinue SRDF/A before attempting to link-block the mirror.

EMCCM75E

```
R22ACT option denied, SRDF/A detected on R2 devices
```

Cause

The use of the R22ACT action would cause an SRDF/A mirror to be link-blocked, which is not allowed.

Action

Terminate SRDF/A to be able to link-block the mirror.

EMCCMC5E

```
Thin device dev# violates thin-thick rule
```

Cause

An #SC VOL command with a CREATEPAIR or CASCRE action was issued and the pair to be created would include a thin device and standard (thick) device. However, the thin device indicated in the message was found to violate one or more of the following rules, which govern the creation of such thick-thin device pairs:

- The thin device may reside only on a storage system at Engenuity 5875 or a later level of the operating environment.
- The thin device may not be an CKD device, but must be FBA.

- The thin device may not be an R22 device.
Command processing is terminated at the completion of validation processing.

Action

Exclude the device causing the error from the device range specified in the command.

EMCCP00E

```
Command parse failed, id xxxx
```

Cause

An SRDF Host Component command was being processed and an error was detected during parsing, so the command was rejected. However, the generated internal error ID xxxx associated with the error has no corresponding error message assigned. Consequently, this general message EMCCP00E was issued.

Action

Examine the entered command and attempt to visually determine the error. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the command and the error ID xxxx included in the message. Correct the error and resubmit the command.

EMCCP01E

```
Extraneous parameter(s) detected in command string
```

Cause

An SRDF Host Component command was being processed. During parsing, a parameter was detected at a point when no additional parameters were expected. This syntax error has caused rejection of the command.

Action

Check the *SRDF Host Component for z/OS Product Guide* for the description of the entered command. Work backwards from the end of the command to determine which positional or keyword parameters are inappropriate. Correct the error and resubmit the command.

EMCCP02E

```
Excessive hops in hop list
```

Cause

An SRDF Host Component command was being processed. During parsing, a hop list was detected in the command with a hop count exceeding the maximum allowed, so the command was rejected. Note that, in general, a maximum of four hops is permitted.

Action

Examine the specified hop list and your installation's configuration, and attempt to identify an alternate hop list that will provide equivalent access to the required storage systems. Using the alternate hop list, resubmit the command. If no such hop list can be discovered, contact the Dell EMC Customer Support Center. Provide the command entered and detailed information on your installation's processor and storage system configuration.

EMCCP03E

```
Left parenthesis required following keyword
```

Cause

An SRDF Host Component command was being processed. During parsing, a keyword was detected that was not followed by a left parenthesis (which should then be followed by an

appropriate value and a right parenthesis). This syntax error has caused rejection of the command.

Action

Examine the entered command and ensure that each keyword parameter is followed by a value enclosed in parentheses. Correct the error and resubmit the command.

EMCCP04E

```
Right parenthesis not found
```

Cause

An SRDF Host Component command was being processed. During parsing, a keyword was followed by a left parenthesis, but no matching right parenthesis was found. This syntax error has caused rejection of the command.

Action

Examine the entered command and ensure that each keyword parameter is followed by a value enclosed in parentheses. Correct the error and resubmit the command.

EMCCP05E

```
Option required but missing for specified action
```

Cause

An SRDF Host Component command was being processed. During parsing, the option list was found to be missing an option that is required for the specified action. This consistency error has caused rejection of the command.

Action

Refer to the *SRDF Host Component for z/OS Product Guide* to determine the option requirements for the specified action. Specify a valid set of options and resubmit the command.

EMCCP06E

```
At least one of two options required, neither found
```

Cause

An SRDF Host Component command was being processed. During parsing, the option list was found to be missing an option, which must be one of a specific set of possible options. This consistency error has caused rejection of the command.

Action

See the *SRDF Host Component for z/OS Product Guide* to determine the option requirements for the specified action. Specify a valid set of options and resubmit the command.

EMCCP07E

```
Option specified, co-requisite option missing
```

Cause

An SRDF Host Component command was being processed. During parsing, an option was detected that requires that at least one of a set of additional options also be specified. However, none of this set of additional options set was specified. This consistency error has caused rejection of the command.

Action

Examine the options specified in the entered command and add the appropriate option. Then resubmit the command.

EMCCP08E

Mutually exclusive options/keywords specified

Cause

An SRDF Host Component command was being processed. During parsing, two options were detected that may not be specified together with the current verb, type, and action. This consistency error has caused rejection of the command.

Action

Examine the entered command and remove one of the mutually exclusive options. Then resubmit the command.

EMCCP09E

LCL keyword invalid for SC RDFGRP command

Cause

An SRDF Host Component #SC RDFGRP command was being processed. During parsing, the LCL keyword, which is not permitted in an #SC RDFGRP command, was detected. This consistency error has caused rejection of the command.

Action

Check whether RMT may have been intended rather than LCL. Alternatively, if the request is for a local SRDF group, specifying an MVS CUU alone may be required. Correct the error and resubmit the command.

EMCCP0AE

Invalid hop list delimiter

Cause

An SRDF Host Component command was being processed. During parsing, a character other than a period was found between two hops in the hop list included as the second subparameter of the RMT keyword in the command. This syntax error has caused rejection of the command.

Action

Correct the hop list format, and resubmit the command.

EMCCP0BE

Hyphen not allowed in SQ device range

Cause

An SRDF Host Component command was being processed. During parsing, the SQ verb and a device-oriented type (VOL, RAID, RAID5, RAID6, RAID10, STATE, or MIRROR) were detected. However, the starting device number was entered as a hyphenated device range. This is not a valid device specification for such commands: only a single starting device number may follow the device count. This syntax error has caused rejection of the command.

Action

Reformat and resubmit the command using a device count and starting device number.

EMCCP0CE

Action (or option list) must be followed by comma and value

Cause

An SRDF Host Component command was being processed. During command parsing, an SC verb was detected. However, the action in the command was not followed by a valid specification. One of the following must follow an action keyword:

- a comma followed by a value or a SELECT or CQNAME specification
- a parenthesis-enclosed option list followed by a comma followed by a value or a SELECT or CQNAME specification

Action

The cause of this error may be an unintended space preceding or following the comma that follows the action keyword or the closing parenthesis of the option list. An inadvertent doubling of this comma could also be responsible. Examine the entered command to determine whether one of these possible causes is present. Correct the error and resubmit the command.

EMCCP0DE

```
Invalid option name
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type GLOBAL and action SETOPT. However, the value following SETOPT was not a recognized option name. This syntax error has caused rejection of the command.

Action

Consult the *SRDF Host Component for z/OS Product Guide* to view a list of the supported option names. Correct the error and resubmit the command.

EMCCP0EE

```
Command type must be followed by comma, then location info
```

Cause

An SRDF Host Component command was being processed. The command verb was followed by a space and a valid type, but the type was not followed by a comma. This syntax error has caused rejection of the command.

Action

The cause of this error may be an unintended space preceding the comma following the type. Correct the error and resubmit the command.

EMCCP0FE

```
Location info may be followed only by device info or filters
```

Cause

An SRDF Host Component command was being processed. During command parsing, an SQ verb was detected with a device-oriented type. However, the location portion of the command did not end the command (which is a valid syntax) but was not followed by a comma and device inclusion information (either an explicit device range or a filter name). This syntax error has caused rejection of the command.

Action

Correct the error and resubmit the command.

EMCCP10E

```
Local range may be followed only by comma
```

Cause

An SRDF Host Component command was being processed. During command parsing, a local device range was found, but was followed by a delimiter other than a comma or a space. This syntax error has caused rejection of the command. Note that a local range can be present for any command having a device-oriented action.

Action

Correct the error and resubmit the command.

EMCCP11E

```
Remote range may be followed only by comma
```

Cause

An SRDF Host Component command was being processed. During command parsing, a remote device range was found, but was followed by a delimiter other than a comma or a space. This syntax error has caused rejection of the command. Note that a remote range can be present only for a command having a pair create action.

Action

Correct the error and resubmit the command.

EMCCP12E

```
Invalid delimiter where comma required
```

Cause

An SRDF Host Component command was being processed. During command parsing, a keyword or value was followed by a delimiter other than a comma where a comma was mandatory. This syntax error has caused rejection of the command.

Action

This error typically results from inadvertent inclusion of a space before a required delimiter. Correct the error and resubmit the command.

EMCCP13E

```
Action specified with invalid option invalid_option
```

Cause

An SRDF Host Component command was being processed. During parsing, an action keyword followed by an option list that included an invalid option for the specified action was detected. This consistency error has caused rejection of the command.

Action

See the *SRDF Host Component for z/OS Product Guide* for a list of options that are valid with the specified action. Correct the error and resubmit the command.

EMCCP14E

```
Only comma may follow count, filter or options
```

Cause

An SRDF Host Component command was being processed. During parsing, the SQ verb and a device-oriented type (VOL, RAID, RAID5, RAID6, RAID10, STATE, or MIRROR) were detected. The specification following the location portion of the command, which may be a device count, a device filter, or one of these together with an option list, was valid but that specification was followed by an invalid delimiter (a comma or a space is required). This syntax error has caused rejection of the command.

Action

Correct the error and resubmit the command.

EMCCP15E

LCL, RMT, VOL, SCFG, G or an MVS device or range required

Cause

An SRDF Host Component command was being processed. The verb and type are valid and require location information. However, the location portion of the command is missing. This syntax error has caused rejection of the command.

Action

Correct the error and resubmit the command. See the *SRDF Host Component for z/OS Product Guide* for guidelines on specifying location information for the specified verb and type.

EMCCP16E

Comma or right parenthesis required after group or hop list

Cause

An SRDF Host Component command was being processed. During parsing, the location portion of the command was found to contain a LCL or RMT keyword, and the first and second subparameters were a valid MVS device number and a valid SRDF group number (for LCL) or a valid hop list (for RMT). However, the second subparameter was not followed by a right parenthesis or, for RMT only, a comma. This syntax error has caused rejection of the command.

Action

Correct the error and resubmit the command.

EMCCP17E

LCL, RMT or an MVS CUU required

Cause

An SRDF Host Component command was being processed. The verb and type require that the location portion of the command specify either an MVS CUU or the LCL or RMT keyword, but another keyword was specified (G, SCFG, VOLSER, or SSID). This syntax error has caused rejection of the command.

Action

Correct the error and resubmit the command. See the *SRDF Host Component for z/OS Product Guide* for guidelines on specifying location information for the specified verb and type.

EMCCP18E

LCL or RMT(*cuu, mhl*) required

Cause

An SRDF Host Component command was being processed. The verb and type require that the location portion of the command specify either the LCL or the RMT keyword, but either another keyword (G, SCFG, VOLSER, or SSID) or an MVS CUU was specified. This syntax error has caused rejection of the command.

Action

Correct the error and resubmit the command. See the *SRDF Host Component for z/OS Product Guide* for guidelines on specifying location information for the specified verb and type.

EMCCP19E

Invalid SQ SRDFA query type

Cause

A Host Component command was being processed. The command specified verb SQ and type SRDFA. However, the query type appearing after the location portion of the command may be only the keyword CYCLETOD, and an unrecognized keyword was found instead. This syntax error has caused the command to be rejected.

Action

Correct the error and resubmit the command.

EMCCP1AE

MVS CUU required

Cause

An SRDF Host Component command was being processed. The verb and type require that the location portion of the command specify an MVS CUU, but one of the keywords LCL, RMT, G, SCFG, VOLSER, or SSID was specified instead. This syntax error has caused rejection of the command.

Action

Correct the error and resubmit the command. See the *SRDF Host Component for z/OS Product Guide* for guidelines on specifying location information for the specified verb and type.

EMCCP1BE

Invalid SQ RDFGRP label/mask xxxxxxxxxxxx

Cause

An SRDF Host Component command was being processed. The command specified verb SQ and type RDFGRP. During parsing, the LABEL parameter was found, but the value specified was invalid. This syntax error has caused command rejection.

Action

Correct the error and resubmit the command. Consult the *SRDF Host Component for z/OS Product Guide* for details on specifying a value for the LABEL keyword.

EMCCP1CE

SELECT parm uses filter list in parentheses

Cause

An SRDF Host Component command was being processed. The command specified verb SC and type VOL. During parsing, the SELECT keyword was found, but was not followed by a left parenthesis. This syntax error has caused command rejection.

Action

Correct the error and resubmit the command. Consult the *SRDF Host Component for z/OS Product Guide* for details on specifying filters using the SELECT parameter.

EMCCP1DE

SC VOL unrecognized keyword xxxxxxxxxxxx

Cause

An SRDF Host Component command was being processed. The command specified verb

SC and type VOL. However, an unrecognized keyword parameter was detected during parsing. The valid keyword parameters are LCL, RMT, VOL, SCFG, G, SELECT and CQNAME. This syntax error caused rejection of the command.

Action

Consult the *SRDF Host Component for z/OS Product Guide* to view a list of the keywords allowed with #SC VOL commands. Correct the error and resubmit the command.

EMCCP1EE

```
Invalid RDF group xxxx
```

Cause

An SRDF Host Component SQ or SC command was being processed. However, the specified SRDF group is not valid; a hexadecimal value in the range x'00' through x'F9' is required. This value error has caused rejection of the command.

Action

Correct the error and resubmit the command.

EMCCP1FE

```
SC VOL unrecognized filter
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC and type VOL, and the SELECT keyword parameter was also detected. However, a subparameter of SELECT was not a recognized filter name. This syntax error has caused rejection of the command.

Action

Correct the error and resubmit the command. Consult the *SRDF Host Component for z/OS Product Guide* to view a list of the supported SELECT filter names.

EMCCP20E

```
SC VOL unrecognized filter separator x
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC and type VOL, and the SELECT keyword parameter was also detected. However, a delimiter was found following a filter name that was neither a right parenthesis (terminating the filter list) nor a comma (separating the filter name from the next). This syntax error has caused rejection of the command.

Action

Correct the error and resubmit the command.

EMCCP21E

```
SC VOL filter ALL allowed only with LCL and RMT
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC or SQ, a device-oriented type, and device range ALL. However, the location portion of the command did not include the LCL or RMT parameter, which is required in order to use the ALL keyword. This consistency error has caused rejection of the command.

Action

Correct the error and resubmit the command.

EMCCP22E

```
SC VOL gatekeeper range invalid
```

Cause

An SRDF Host Component #SC VOL command was entered. The command specified a PowerMax or VMAX device range, which requires a gatekeeper device. However, the command also specified an MVS CUU device range, which is mutually exclusive with a PowerMax or VMAX device specification. This syntax error has caused rejection of the command.

Action

Determine whether the device range is to be specified via MVS device numbers or PowerMax or VMAX device numbers and adjust the command accordingly. Then resubmit the command.

EMCCP23E

```
Invalid remote device number
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC and type VOL. However, the second positional parameter following the action is not a valid PowerMax or VMAX device number. This value error has caused rejection of the command.

Action

Correct the error and resubmit the command.

EMCCP24E

```
Invalid far device number
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC and type VOL. However, the third positional parameter following the action is not a valid PowerMax or VMAX device number. This value error has caused rejection of the command.

Action

Correct the error and resubmit the command.

EMCCP25E

```
Invalid range end device number
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC and type VOL, and the first positional parameter following the action included a hyphen. However, the portion of the parameter following the hyphen is not a valid PowerMax or VMAX device number. This value error has caused rejection of the command.

Action

Correct the error and resubmit the command.

EMCCP26E

```
Unrecognized TRANSMIT_IDLE option xxxxxxxx
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type SRDFA, and action TRANSMIT_IDLE. However, the action value for TRANSMIT_IDLE must be ON or OFF and a different value was specified. This syntax error has caused rejection of the command.

Action

Correct the error and resubmit the command.

EMCCP27E

```
TRANSMIT_IDLE option omitted
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type SRDFA, and action TRANSMIT_IDLE. However, no action value was detected; action value ON or OFF is required for this action. This syntax error has caused rejection of the command.

Action

This error may be due to an inadvertent space before or after the comma required after the TRANSMIT_IDLE action keyword. Correct the error and resubmit the command.

EMCCP28E

```
SC SRDFA missing action
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC and type SRDFA, but no action was found following the location portion of the command. This syntax error has caused rejection of the command.

Action

This error may be due to an inadvertent space before or after the comma required after the location portion of the command. Correct the error and resubmit the command.

EMCCP29E

```
SC SRDFA invalid action xxxxxxxx
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC and type SRDFA, but the keyword found following the location portion of the command is not a recognized action. This syntax error has caused rejection of the command.

Action

Correct the error and resubmit the command. Valid actions are listed in the *SRDF Host Component for z/OS Product Guide*.

EMCCP2AE

```
SC SRDFA_DSE missing action
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC and type SRDFA_DSE, but no action was found following the location portion of the command. This syntax error has caused rejection of the command.

Action

This error may be due to an inadvertent space before or after the comma required after

the location portion of the command. Correct the error and resubmit the command.

EMCCP2BE

```
SC SRDFA_DSE invalid action xxxxxxxx
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC and type SRDFA_DSE, but the keyword found following the location portion of the command is not a recognized action. This syntax error has caused rejection of the command.

Action

Correct the error and resubmit the command. Valid actions can be found in the *SRDF Host Component for z/OS Product Guide*.

EMCCP2CE

```
SC SRDFA_WP missing action
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC and type SRDFA_WP, but no action was found following the location portion of the command. This syntax error has caused rejection of the command.

Action

This error may be due to an inadvertent space before or after the comma required after the location portion of the command. Correct the error and resubmit the command.

EMCCP2DE

```
SC SRDFA_WP invalid action xxxxxxxx
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC and type SRDFA_WP, but the keyword found following the location portion of the command is not a recognized action. This syntax error has caused rejection of the command.

Action

Correct the error and resubmit the command. Valid actions are listed in the *SRDF Host Component for z/OS Product Guide*.

EMCCP2EE

```
Unrecognized SYNCH_DIRECTION option xxxxxxxx
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC, action SYNCH_DIRECTION, and one of the types CNFG, GLOBAL, or RDFGRP. However, the action value for SYNCH_DIRECTION was specified incorrectly for the given command. This syntax error has caused rejection of the command.

See the *SRDF Host Component for z/OS Product Guide* for valid SYNCH_DIRECTION values on the #SC CNFG, #SC GLOBAL, and #SC RDFGRP commands.

Action

Correct the error and resubmit the command.

EMCCP2FE

SYNCH_DIRECTION option omitted

Cause

An SRDF Host Component command was being processed. The command specified verb SC, action SYNCH_DIRECTION, and one of the types CNFG, GLOBAL or RDFGRP. However, no action value was detected. This syntax error has caused rejection of the command.

Action

This error may be due to an inadvertent space before or after the comma required after the SYNCH_DIRECTION action keyword. Correct the error and resubmit the command.

EMCCP30E

Hop list excessive length

Cause

An SRDF Host Component command was being processed. The command specified the RMT keyword parameter, but the length of the second subparameter, a hop list, exceeds the maximum length allowed, 23 characters. This value error has caused rejection of the command.

Action

Correct the error and resubmit the command.

EMCCP31E

Hop list invalid delimiter

Cause

An SRDF Host Component command was being processed. The command specified the RMT keyword parameter, but the second subparameter, a hop list, contained two hops not separated by a period. This syntax error has caused rejection of the command.

Action

Correct the error and resubmit the command.

EMCCP32E

Hop list invalid RDF group xxx

Cause

An SRDF Host Component command was being processed. The command specified the RMT keyword parameter, but the second subparameter, a hop list, contained a hop which was not a valid SRDF group. This value error has caused rejection of the command.

Action

Correct the error and resubmit the command.

EMCCP34E

SC VOL Remote device is required

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type VOL, and one of the actions CASCRE or CREATEPAIR. Each of these actions requires specification of a remote starting PowerMax or VMAX device number, but this device number was omitted. This syntax error has caused rejection of the command.

Action

Correct the error and resubmit the command.

EMCCP35E

SC VOL Remote RDF group is required

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type VOL, and a pair create action, either CREATEPAIR or CASCRE. This command requires specification in the RMT or LCL parameter of a remote SRDF group, but the remote SRDF group was omitted. This syntax error has caused rejection of the command.

Action

Correct the error and resubmit the command.

EMCCP36E

SC VOL Far device is required

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type VOL, and action CASCRE. This command requires specification of a far starting PowerMax or VMAX device number, but this device number was omitted. This syntax error has caused rejection of the command.

Action

Correct the error and resubmit the command.

EMCCP37E

RMT or MVS CUU required

Cause

A command was issued specifying a LCL, G, VOL, or SCFG keyword parameter. However, only an MVS cuu or the RMT parameter may be specified with the entered command and command type, and it has consequently been rejected with a syntax error.

Action

Correct and resubmit the command.

EMCCP38E

SC VOL Remote device should not be specified

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type VOL, and a valid action. However, the specified action was not one of the pair create actions CREATEPAIR or CASCRE, and consequently no remote device should be specified. This syntax error has caused rejection of the command.

Action

Correct the error and resubmit the command. If the action was correct, it is only necessary to remove the remote device specification. If the action was incorrect, it may only be necessary to replace it with the correct action.

EMCCP39E

SC VOL Remote RDF group should not be specified

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type VOL, and a valid action. Also, the location portion of the command includes the

LCL keyword with a third subparameter or the RMT keyword with a fourth subparameter, in each case a remote SRDF group. However, the specified action was not CASCRES, and consequently no remote SRDF group should be specified. This syntax error has caused rejection of the command.

Action

Correct the error and resubmit the command.

EMCCP3AE

```
SC VOL Far device should not be specified
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type VOL, and a valid action. However, the specified action was not a composite pair create action (CASCRES), and consequently no remote device should be specified. This syntax error has caused rejection of the command.

Action

Correct the error and resubmit the command. If the action was specified as intended, it may only be necessary to remove the remote device specification. If the action was incorrect, it may only be necessary to replace it with the correct action.

EMCCP3BE

```
MVS CUU, G or SCFG required
```

Cause

An SC or SQ command was issued. During command parsing, it was discovered that an invalid location specification for the command was used. Either a gatekeeper alone or one of the keyword parameters G or SCFG with an appropriate value is required. Consequently, the command has failed.

Action

Specify the location information as required, and reissue the command.

EMCCP3CE

```
SYNCH_DIRECTION option invalid with SC CNFG
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC, action CNFG, and action SYNCH_DIRECTION. However, the action value for SYNCH_DIRECTION was not valid for type CNFG. This syntax error has caused rejection of the command.

Action

Correct the error and resubmit the command. Consult the *SRDF Host Component for z/OS Product Guide* for details on SYNCH_DIRECTION values for #SC CNFG.

EMCCP3DE

```
SYNCH_DIRECTION option invalid with SC GLOBAL
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC, action GLOBAL, and action SYNCH_DIRECTION. However, the action value for SYNCH_DIRECTION was not valid for type GLOBAL. This syntax error has caused rejection of the command.

Action

Correct the error and resubmit the command. Consult the *SRDF Host Component for z/OS Product Guide* for details on SYNCH_DIRECTION values for #SC GLOBAL.

EMCCP3EE

```
SYNCH_DIRECTION option invalid with SC RDFGRP
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC, action RDFGRP, and action SYNCH_DIRECTION. However, the action value for SYNCH_DIRECTION was not valid for type RDFGRP. This syntax error has caused rejection of the command.

Action

Correct the error and resubmit the command. Consult the *SRDF Host Component for z/OS Product Guide* for details on SYNCH_DIRECTION values for #SC RDFGRP.

EMCCP3FE

```
Range end device number less than range start device number
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC and type VOL, and the first positional parameter following the action included a hyphen. The PowerMax or VMAX device number specified by the portion of the parameter following the hyphen is less than the PowerMax or VMAX device number specified by the portion of the parameter preceding the hyphen. However, a range in which the starting device number exceeds the ending device number is invalid. This value error has caused rejection of the command.

Action

Correct the error and resubmit the command.

EMCCP40E

```
SQ MSG must be followed by comma and count or 'ALL'
```

Cause

An SRDF Host Component command was being processed. The command specified verb SQ and type MSG, but no specification of the number of messages to display. Either ALL or a specific count is required. This syntax error has caused rejection of the command.

Action

This error may be due to an inadvertent space before or after the comma required after the MSG keyword. Correct the error and resubmit the command. Consult the *SRDF Host Component for z/OS Product Guide* for valid command formats, if necessary.

EMCCP41E

```
MVS CUU, RMT, G or SCFG required
```

Cause

An SC or SQ command was issued. During command parsing, it was discovered that an invalid location specification for the command was used. Either a gatekeeper alone or one of the keyword parameters RMT, G, or SCFG with appropriate subparameters is required. Consequently, the command has failed.

Action

Specify the location information as required, and reissue the command.

EMCCP46E

MVS CUU, LCL, RMT, G or SCFG required

Cause

An SC or SQ command was issued. During command parsing, it was discovered that an invalid location specification for the command was used. Either a gatekeeper alone or one of the keyword parameters LCL, RMT, G, or SCFG with appropriate subparameters is required. Consequently, the command has failed.

Action

Specify the location information as required, and reissue the command.

EMCCP47E

MVS CUU, RMT, G, SCFG, SSID or VOL required

Cause

An SC or SQ command was issued. During command parsing, it was discovered that an invalid location specification for the command was used. Either a gatekeeper alone or one of the keyword parameters LCL, RMT, G, SCFG, or SSID with appropriate subparameters is required. Consequently, the command has failed.

Action

Specify the location information as required, and reissue the command.

EMCCP48E

SC SRDFA_WP MAXDELAY value missing

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type SRDFA_WP, and action MAXDELAY. However, no action value was detected; a numeric value is required for this action. This syntax error has caused rejection of the command.

This error may be due to an inadvertent space before or after the comma required after the MAXDELAY action keyword.

Action

Correct the error and resubmit the command.

EMCCP49E

SC SRDFA_WP MAXDELAY value must be 1 to 1000000

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type SRDFA_WP, and action MAXDELAY. However, the action value specified was invalid. This value error has caused rejection of the command.

Action

Correct the error and resubmit the command. Consult the *SRDF Host Component for z/OS Product Guide* for guidelines on setting this value.

EMCCP4AE

SC RDFGRP missing RDF group

Cause

An SRDF Host Component command was being processed. The command specified verb

SC and type RDFGRP. During parsing, however, it was determined that no SRDF group was specified. The SRDF group value is a positional parameter that must immediately follow the location information in the command. This syntax error has caused rejection of the command.

Action

Determine whether the SRDF group was omitted entirely or whether a misspelling caused the SRDF group to be misinterpreted. Include or correct the SRDF group as required and resubmit the command.

EMCCP4BE

```
SC VOL missing action
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC and type VOL. During parsing, however, it was determined that no command action group was specified. The command action is a positional parameter that must immediately follow the location information in the command. This syntax error has caused rejection of the command.

Action

Determine whether the command action was omitted entirely or whether a misspelling caused the action to be misinterpreted. Correct the error and resubmit the command.

EMCCP4CE

```
SQ allows filter only with VOL, STATE or MIRROR
```

Cause

An SQ command was entered with a device-oriented command type, such as RAID5 or RAID10. During parsing, a filter was detected in place of a device range, but the command type does not allow filters. Consequently the command has been rejected with a syntax error.

Action

Resubmit the command after either replacing the filter with a device range or changing the command type to VOL, STATE, or MIRROR.

EMCCP4DE

```
For SQ VOL/STATE/MIRROR, filter and 3rd RMT subparameter may not both be specified
```

Cause

An SQ command was entered with a command type of VOL, STATE, or MIRROR, and with a RMT keyword including the third subparameter, the SRDF group to use in device selection. However, the filter was also specified. These are not allowed simultaneously, so the command has been rejected with a syntax error.

Action

Resubmit the command after removing either the third RMT keyword subparameter or the filter.

EMCCP4EE

```
SQ CNFG 3rd RMT subparameter may not be specified
```

Cause

An SQ command was entered with a command type of CNFG and with a RMT keyword

including the third subparameter specifying an applicable SRDF group. Since the SRDF group is not meaningful in this context, the command has been rejected with a syntax error.

Action

Resubmit the command after removing the third RMT keyword subparameter.

EMCCP4FE

```
SC GLOBAL invalid option value
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type GLOBAL and action SETOPT, followed by a valid option name. However, the value following the option name was not an allowed value for that option. This syntax error has caused rejection of the command.

Action

Consult the *SRDF Host Component for z/OS Product Guide* to view a list of the values allowed for the option name specified. Correct the error and resubmit the command.

EMCCP50E

```
SC SRDFA_WP THRESHOLD value missing
```

Cause

A Host Component command was being processed. The command specified verb SC, type SRDFA_WP, and action THRESHOLD. However, no action value was detected; a numeric value is required for this action. This syntax error has caused rejection of the command.

Action

This error may be due to an inadvertent space before or after the comma required after the THRESHOLD action keyword. Correct the error and resubmit the command.

EMCCP51E

```
SC SRDFA_WP THRESHOLD value must be 1 to 99
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type SRDFA_WP, and action THRESHOLD. However, the action value specified was invalid; a numeric value in the range 1 to 99 is required for this action. This value error has caused rejection of the command.

Action

Correct the error and resubmit the command. Consult the *SRDF Host Component for z/OS Product Guide* for guidelines on setting this value.

EMCCP52E

```
SC SRDFA_WP DSE_THOLD value missing
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type SRDFA_WP, and action DSE_THOLD. However, no action value was detected; a numeric value is required for this action. This syntax error has caused rejection of the command.

Action

This error may be due to an inadvertent space before or after the comma required after the DSE_THOLD action keyword. Correct the error and resubmit the command.

EMCCP53E

```
SC SRDFA_WP DSE_THOLD value must be 1 to 100
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type SRDFA_WP and action DSE_THOLD. However, the action value specified was invalid; a numeric value in the range 1 to 100 is required for this action. This value error has caused rejection of the command.

Action

Correct the error and resubmit the command. Consult the *SRDF Host Component for z/OS Product Guide* for guidelines on setting this value.

EMCCP54E

```
SC SRDFA_DSE THRESHOLD value missing
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type SRDFA_DSE, and action THRESHOLD. However, no action value was detected; a numeric value is required for this action. This syntax error has caused rejection of the command.

Action

This error may be due to an inadvertent space before or after the comma required after the THRESHOLD action keyword. Correct the error and resubmit the command.

EMCCP55E

```
SC SRDFA_DSE THRESHOLD value must be 20 to 100
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type SRDFA_DSE, and action THRESHOLD. However, the action value specified was invalid; a numeric value in the range 20 to 100 is required for this action. This value error has caused rejection of the command.

Action

Correct the error and resubmit the command. Consult the *SRDF Host Component for z/OS Product Guide* for guidelines on setting this value.

EMCCP56E

```
SC SRDFA_WP AUTO_ACT value missing
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type SRDFA_WP, and action AUTO_ACT. However, no action value was detected; action value ON or OFF is required for this action. This syntax error has caused rejection of the command.

Action

This error may be due to an inadvertent space before or after the comma required after the AUTO_ACT action keyword. Correct the error and resubmit the command.

EMCCP57E

```
SC SRDFA_DSE missing P parameter
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type SRDFA_DSE, and one of the pool-related actions A400_POOL, FBA_POOL, 3380_POOL, or 3390_POOL. However, these actions require specification of the P parameter (specifying either a pool name or a null string), but the P parameter was not present. This syntax error has caused rejection of the command.

Action

This error may be due to an inadvertent space before or after the comma required after the action keyword. Correct the error and resubmit the command.

EMCCP58E

```
SC SRDFA_DSE malformed P parameter
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type SRDFA_DSE, and one of the pool-related actions A400_POOL, FBA_POOL, 3380_POOL, or 3390_POOL, each of which requires specification of the P parameter (specifying either a pool name or a null string). However, although the P parameter was present, its format did not consist of a left parenthesis, an optional pool name of up to eight characters, and a right parenthesis. This syntax error has caused rejection of the command.

Action

Correct the error and resubmit the command. Consult the *SRDF Host Component for z/OS Product Guide* for detailed information regarding the format of the P parameter.

EMCCP59E

```
SC SRDFA_WP AUTO_ACT value must be ON or OFF
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type SRDFA_WP, and action AUTO_ACT. However, the action value for AUTO_ACT must be ON or OFF and a different value was specified. This value error has caused rejection of the command.

Action

Correct the error and resubmit the command.

EMCCP5AE

```
SC VOL local device range missing
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC and type VOL, with the location portion of the command including the LCL or RMT keyword. However, neither ALL nor an explicit device or range was specified as the first parameter following the action. This syntax error has caused rejection of the command.

Action

This error may be due to an inadvertent space before or after the comma required after the action keyword. Correct the error and resubmit the command. Consult the *SRDF Host Component for z/OS Product Guide* for detailed requirements on specifying an SC VOL device range.

EMCCP5BE

```
SC VOL local RDF group missing
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC and type VOL, with the location portion of the command including the LCL or RMT keyword. However, the SRDF group was omitted. This syntax error has caused rejection of the command.

Action

Correct the error and resubmit the command. Consult the *SRDF Host Component for z/OS Product Guide* for detailed requirements on specifying an #SC VOL device range.

EMCCP5CE

```
SC VOL MOVEPAIR invalid target RDF group
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type VOL, and action MOVEPAIR or HMOVEPAIR. However, the target SRDF group that was specified as the second parameter following the action keyword is not valid. This syntax error has caused rejection of the command.

Action

Correct the error and resubmit the command. Consult the *SRDF Host Component for z/OS Product Guide* for detailed requirements on specifying the target SRDF group for an #SC VOL MOVEPAIR or HMOVEPAIR action.

EMCCP5DE

```
SC VOL ADC_MAX maximum skew value missing
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type VOL, and action ADC_MAX. However, no action value was detected; a numeric action value is required for this action. This syntax error has caused rejection of the command.

Action

This error may be due to an inadvertent space before or after the comma required after the ADC_MAX action keyword. Correct the error and resubmit the command. Consult the *SRDF Host Component for z/OS Product Guide* for detailed requirements on specifying the required value.

EMCCP5EE

```
SC VOL ADC_MAX invalid max skew value xxxxxxxx
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type VOL, and action ADC_MAX. However, the action value specified was invalid. This value error has caused rejection of the command.

Action

Correct the error and resubmit the command. See the *SRDF Host Component for z/OS Product Guide* for valid values.

EMCCP5FE

```
MVS CUU, LCL, RMT, G, SCFG, SSID or VOL required
```

Cause

An SRDF Host Component command was being processed. The location portion of the

command was required to use one of the parameters indicated, but none was present. This syntax error has caused rejection of the command.

Action

Correct the error and resubmit the command.

EMCCP60E

```
SC LINK missing director number
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC and type LINK, but neither ALL nor a director number was specified. This syntax error has caused rejection of the command.

Action

Correct the error and resubmit the command.

EMCCP61E

```
SC LINK invalid director number
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC and type LINK, but the following parameter was neither ALL nor a valid director number. This value error has caused rejection of the command.

Action

Correct the error and resubmit the command.

EMCCP62E

```
SC LINK missing action
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type LINK, and either ALL or a valid director number. However, the following parameter specifying the action to take was not present. This syntax error has caused rejection of the command.

Action

Correct the error and resubmit the command. The action required represents the desired state to which the specified director(s) should enter, either OFFLINE or ONLINE.

EMCCP63E

```
SC LINK invalid action
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type LINK, and either ALL or a valid director number. However, the following parameter specifying the action to take was not valid. This syntax error has caused rejection of the command.

Action

Correct the error and resubmit the command. The action required represents the desired state to which the specified director(s) should enter, either OFFLINE or ONLINE.

EMCCP64E

```
SQ DSTAT missing director number
```

Cause

An SRDF Host Component command was being processed. The command specified verb SQ and type DSTAT, but neither ALL nor a director number was specified. This value error has caused rejection of the command.

Action

Correct the error and resubmit the command.

EMCCP65E

```
SQ DSTAT invalid director number
```

Cause

An SRDF Host Component command was being processed. The command specified verb SQ and type DSTAT, but the following parameter was neither ALL nor a valid director number. This value error has caused rejection of the command.

Action

Correct the error and resubmit the command.

EMCCP66E

```
SC VOL SUSP_CGRP action may not specify Symm device
```

Cause

An #SC VOL command was issued with the SUSP_CGRP action. During command parsing, it was discovered that the action was followed by a PowerMax or VMAX device number. Since this is not permitted, the command has failed.

Action

Correct the command using the syntax described in the *SRDF Host Component for z/OS Product Guide*.

EMCCP67E

```
MVS cuu or 'LCL' required
```

Cause

An #SC VOL command was issued. During command parsing, it was discovered that neither the LCL keyword parameter nor an MVS cuu was specified. The location information for the command action entered must be specified via one of these parameters. Consequently, the command has failed.

Action

Include an MVS cuu or the 'LCL' keyword parameter with subparameters as required, and reissue the command.

EMCCP68E

```
LCL/RMT parameter invalid, RDF group subparameter 2 required
```

Cause

An SRDF Host Component command was being processed. The command specified the keyword LCL or RMT, but only the first subparameter was present identifying the gatekeeper device. The LCL and RMT keywords require at least two subparameters, the gatekeeper device cuu and an SRDF group. This syntax error has caused rejection of the command.

Action

If an SRDF group is required for the command, include it as the second subparameter of LCL or RMT. If no SRDF group is required, do not use the LCL or RMT keyword. Correct the error and resubmit the command.

EMCCP69E

```
SC RDFGRP a label must be specified for the new RDF group
```

Cause

An #SC RDFGRP command with the ADD action was being processed. During command parsing, no LABEL keyword parameter was found. This consistency error has caused rejection of the command.

Action

Correct the error and resubmit the command. For the LABEL keyword, note that the label may be up to ten characters and may not be the same as the label of an existing SRDF group.

EMCCP6AE

```
Subparameter three should not be specified
```

Cause

An SRDF Host Component command was being processed. The command specified verb SQ, a device-oriented type such as VOL or MIRROR, and location parameter LCL. During parsing, a third subparameter of LCL was detected. However, only two subparameters of LCL are valid for an SQ command. This syntax error has caused rejection of the command.

Action

Ensure that the command SC was not intended; for some SC VOL actions, the third LCL subparameter might be valid. Correct the error and resubmit the command.

EMCCP6BE

```
LCL/RMT parameter invalid, gatekeeper subparameter 1 required
```

Cause

An SRDF Host Component command was being processed. The command specified keyword LCL or RMT, but the first subparameter identifying the gatekeeper device was omitted. The LCL and RMT keywords require this subparameter. This syntax error has caused rejection of the command.

Action

Include a gatekeeper cuu subparameter and resubmit the command.

EMCCP6CE

```
RDF group subparameter should not be specified
```

Cause

An SRDF Host Component command was being processed. The command specified verb SQ, command type RDFGRP, and the RMT keyword parameter. During parsing, a third subparameter of RMT was detected. However, for this command and type, only two subparameters of RMT are valid. This syntax error has caused rejection of the command.

Action

Remove the third subparameter of RMT. If information is wanted for only a single SRDF group, use the RA keyword parameter. Correct the error and reissue the command.

EMCCP6DE

```
Invalid SC command type text
```

Cause

An SC command was specified incorrectly.

Action

Correct the error and resubmit the command.

EMCCP6EE

```
Invalid SQ command type text
```

Cause

An SQ command was specified incorrectly.

Action

Correct the error and resubmit the command.

EMCCP6FE

```
Remote RDF group should not be specified
```

Cause

An SRDF Host Component command was being processed. The command specified the location portion of the command with the RMT keyword with a third subparameter. However, no remote SRDF group should be specified. This syntax error has caused rejection of the command.

Action

Correct the error and resubmit the command.

EMCCP70E

```
SC RDFGRP invalid RDF group xxxxx
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type RDFGRP, and one of the actions ADD, MODIFY, DELETE, or SYNCH_DIRECTION. However, the specified SRDF group to which the action will apply is not valid. This value error has caused rejection of the command.

Action

Correct the error and resubmit the command.

EMCCP71E

```
SC RDFGRP invalid action xxxxxxxx
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC and type RDFGRP, but the keyword found following the location portion of the command is not a recognized action. This syntax error has caused rejection of the command.

Action

Correct the error and resubmit the command. Valid actions include ADD, DELETE, and MODIFY; a complete list of supported actions is provided in the *SRDF Host Component for z/OS Product Guide*.

EMCCP72E

```
SC RDFGRP unrecognized keyword xxxxxxxx
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type RDFGRP, and one of the actions ADD, MODIFY or DELETE. However, a keyword following the action is not a recognized keyword. This syntax error has caused rejection of the command. Note that this message is not issued for a recognized keyword that is not valid with the specified action, but only for a keyword that is not valid for any #SC RDFGRP action.

Action

Correct the error and resubmit the command. A complete list of valid SC RDFGRP keywords and guidelines for corresponding values is provided in the *SRDF Host Component for z/OS Product Guide*.

EMCCP73E

```
SC RDFGRP error in LDIR or RDIR format
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type RDFGRP, one of the actions ADD or MODIFY, and an LDIR or RDIR keyword. However, the value specified for the LDIR or RDIR keyword was invalid. This syntax error has caused rejection of the command.

Action

Correct the error and resubmit the command. A complete description of allowed formats for values associated with the LDIR and RDIR keywords is provided in the *SRDF Host Component for z/OS Product Guide*.

EMCCP74E

```
SC RDFGRP invalid label value xxxxxxxxx
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type RDFGRP, action ADD, and the LABEL keyword providing a label for the SRDF group to be created. However, the value specified for the LABEL keyword was invalid. This value error has caused rejection of the command.

Action

Correct the error and resubmit the command. SRDF group labels may have up to ten characters. A complete description of SRDF group LABEL requirements is provided in the *SRDF Host Component for z/OS Product Guide*.

EMCCP75E

```
Invalid remote serial number
```

Cause

An SRDF Host Component command was being processed. The command specified type RDFGRP, action ADD, and the RSER keyword specifying the serial number of the remote storage system on which the other-side SRDF group of the SRDF group being added will be created. However, the value specified for the RSER keyword was invalid. This value error has caused rejection of the command.

Action

Correct the RSER value and resubmit the command. A complete description of SRDF group RSER requirements is provided in the *SRDF Host Component for z/OS Product Guide*. Note that correct syntax is an incidental requirement since, for the command to be processed successfully, the value specified via RSER must be the serial number of a

storage system that is connected by online remote link directors to the local storage system specified via the local portion of the command.

EMCCP76E

```
SC RDFGRP invalid remote RDF group number xxx
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type RDFGRP, action ADD, and the RGRP keyword specifying the number of the SRDF group to become the other-side SRDF group of the SRDF group being added. However, the value specified for the RGRP keyword was invalid. This value error has caused rejection of the command.

Action

Correct the error and resubmit the command. A complete description of SRDF group RGRP requirements is provided in the *SRDF Host Component for z/OS Product Guide*.

EMCCP77E

```
SC RDFGRP invalid director number
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type RDFGRP, one of the actions ADD or MODIFY, and the LDIR or RDIR keyword specifying the numbers of remote link directors to be utilized by the SRDF group being added (for ADD) or to cease being utilized by the SRDF group being modified (for MODIFY). However, a director number specification in the value of the LDIR or RDIR keyword was invalid. This value error has caused rejection of the command.

Action

Correct the error and resubmit the command. See the *SRDF Host Component for z/OS Product Guide* for a description of #SC RDFGRP LDIR and RDIR value requirements.

EMCCP78E

```
SC RDFGRP invalid director range xxxxx
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type RDFGRP, one of the actions ADD or MODIFY, and the LDIR or RDIR keyword specifying the numbers of remote link directors to be utilized by the SRDF group being added (for ADD) or to cease being utilized by the SRDF group being modified (for MODIFY). However, a director number range specification in the value of the LDIR or RDIR keyword was invalid. This value error has caused rejection of the command.

Action

Correct the error and resubmit the command. See the *SRDF Host Component for z/OS Product Guide* for SC RDFGRP LDIR and RDIR value requirements.

EMCCP79E

```
SC RDFGRP invalid add/remove symbol, must be + or -
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type RDFGRP, one of the actions ADD or MODIFY, and the LDIR or RDIR keyword specifying the numbers of remote link directors to be utilized by the SRDF group being added (for ADD) or to cease being utilized by the SRDF group being modified (for MODIFY). However, a director number or range in the value of the LDIR or RDIR keyword

was prefixed by a character other than '+' (director add indicator) or '-' (director remove indicator). This syntax error has caused rejection of the command.

Action

Correct the error and resubmit the command. A complete description of #SC RDFGRP LDIR and RDIR value requirements is provided in the *SRDF Host Component for z/OS Product Guide*.

EMCCP7AE

```
SC RDFGRP inconsistent director add/remove usage
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type RDFGRP, one of the actions ADD or MODIFY, and the LDIR or RDIR keyword specifying the numbers of remote link directors to be utilized by the SRDF group being added (for ADD) or to cease being utilized by the SRDF group being modified (for MODIFY). However, an inconsistency was detected in the use of the prefixes '+' (director add indicator) and '-' (director remove indicator). This value error has caused rejection of the command.

Action

Correct the error and resubmit the command. A complete description of #SC RDFGRP LDIR and RDIR value requirements is provided in the *SRDF Host Component for z/OS Product Guide*.

EMCCP7BE

```
SC RDFGRP cannot add/remove more than eight directors
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type RDFGRP, one of the actions ADD or MODIFY, and the LDIR or RDIR keyword specifying the numbers of remote link directors to be utilized by the SRDF group being added (for ADD) or to cease being utilized by the SRDF group being modified (for MODIFY). However, the command specified that more than eight directors were to be added or removed. This consistency error has caused rejection of the command.

Action

Correct the error and resubmit the command.

EMCCP7CE

```
SC RDFGRP ADD requires both local and remote director
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type RDFGRP, and action ADD. However, at least one of the keywords LDIR or RDIR was not specified, and adding an SRDF group requires that at least one remote link director is specified on both the local and the remote storage system. This syntax error has caused rejection of the command.

Action

Correct the error by specifying the missing keyword with an appropriate value and resubmit the command.

EMCCP7DE

```
SC RDFGRP ADD cannot specify directors to remove
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type RDFGRP, and action ADD. However, at least one of the keywords LDIR or RDIR specified prefix '-' (the remove indicator), and remote link directors may not be removed in an ADD operation. This consistency error has caused rejection of the command.

Action

Correct the error and resubmit the command.

EMCCP7EE

```
SC RDFGRP MODIFY must specify at least one director
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type RDFGRP, and action MODIFY. However, neither the LDIR or nor the RDIR keyword was specified in the command. It is required in a MODIFY action that at least one director is added or removed. This consistency error has caused rejection of the command.

Action

Correct the error and resubmit the command.

EMCCP7FE

```
SC RDFGRP DELETE may not specify keyword
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type RDFGRP, and action DELETE. For the DELETE action, no additional parameter other than CQNAME may be specified, but an additional parameter was detected. This consistency error has caused rejection of the command.

Action

Correct the error and resubmit the command.

EMCCP81E

```
VOLSER value missing
```

Cause

An SRDF Host Component command was being processed. The location portion of the command included the VOLSER keyword, but no value was specified for the keyword. This value error has caused rejection of the command.

Action

Correct the error by including a volume serial or mask and resubmit the command.

EMCCP82E

```
VOLSER value invalid xxxxxxxxxx
```

Cause

An SRDF Host Component command was being processed. The location portion of the command included the VOLSER keyword, but the value was specified for the keyword was invalid. This value error has caused rejection of the command.

The following are errors that result in this message:

- The length exceeds 6
- The value contains a character other than an asterisk that is invalid in a volume serial

Action

Correct the invalid volume serial or mask and resubmit the command.

EMCCP83E

```
SC RDFGRP SYNCH_DIRECTION may not specify keyword
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type RDFGRP, and action SYNCH_DIRECTION. For the SYNCH_DIRECTION action, no additional parameter other than CQNAME may be specified, but an additional parameter was detected. This consistency error has caused rejection of the command.

Action

Correct the error and resubmit the command.

EMCCP87E

```
SC SRDFA_CMPR missing action
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC and type SRDFA_CMPR, but no action was found following the location portion of the command. This syntax error has caused rejection of the command.

This error may be due to an inadvertent space before or after the comma required after the location portion of the command.

Action

Correct the error and resubmit the command.

EMCCP88E

```
SC SRDF_CMPR LEVEL invalid value xxxxxxxx
```

Cause

An #SC SRDF_CMPR command was issued to set the compression level for an SRDF group, but the specified value was invalid. Consequently, the command has failed.

Action

Correct the error appropriately, by specifying a valid compression level (a decimal number from 1 to 10).

EMCCP89E

```
SC SRDFA_CMPR POLICY value missing
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type SRDFA_CMPR, and action POLICY. However, no action value was detected. This syntax error has caused rejection of the command.

This error may be due to an inadvertent space before or after the comma required after the POLICY action keyword.

Action

Correct the error and resubmit the command.

EMCCP8AE

```
SQ DSTAT requires SSID, RMT, a cuu or a volser
```

Cause

An SRDF Host Component command was being processed. The command specified verb SQ and type DSTAT. However, the location portion of the command was not specified in one of the allowed formats. This syntax error has caused rejection of the command.

Action

See the *SRDF Host Component for z/OS Product Guide* to determine valid formats for the location portion of the command. Correct the error and resubmit the command.

EMCCP8BE

```
SC RDFGRP ADD requires label via LABEL keyword
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type RDFGRP, and action ADD. However, no LABEL keyword was detected. A label of from one to ten characters must be specified with the LABEL keyword parameter. This syntax error has caused rejection of the command.

This error may be due to an inadvertent space or omission of the LABEL keyword.

Action

Correct the error and resubmit the command

EMCCP8CE

```
SC RDFGRP ADD requires Rmt Symm serial via RSER keyword
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type RDFGRP, and action ADD. However, no RSER keyword was detected. A remote storage system 12-character serial number must be specified using the RSER keyword parameter. This syntax error has caused rejection of the command. This error may be due to an inadvertent space or omission of the RSER keyword.

Action

Correct the error and resubmit the command.

EMCCP8DE

```
SC RDFGRP ADD requires Rmt RDF group via RGRP keyword
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type RDFGRP, and action ADD. However, no RGRP keyword was detected. A valid remote SRDF group number must be specified using the RGRP keyword parameter. This syntax error has caused rejection of the command. This error may be due to an inadvertent space or omission of the RGRP keyword.

Action

Correct the error and resubmit the command.

EMCCP8EE

```
SC VOL SELECT parameter allows maximum of 3 filters
```

Cause

An #SC VOL command with the SELECT keyword parameter was being processed. During command parsing, it was found that more than three filter names were specified as SELECT subparameters. However, a maximum of three filter names are allowed. This consistency error has caused rejection of the command.

Action

Eliminate filter names from the SELECT subparameter list as required and resubmit the command.

EMCCP8FE

```
SC VOL SELECT filter relations can be ',' or '>', not both
```

Cause

An # SC VOL command with the SELECT keyword parameter was being processed. During command parsing, it was found that both ',' (inclusive OR) and '>' (AND) appear as filter name separators in the SELECT subparameter list. However, only one of these separators may be used in a single command. This consistency error has caused rejection of the command.

Action

Reformulate the SELECT subparameter list to adhere to the filter relation rules and resubmit the command.

EMCCP90E

```
SC SRDFA_CMPR POLICY unknown choice xxxxxxxxxx
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type SRDFA_CMPR, and action POLICY. However, the value specified for the POLICY action included an invalid value. This value error has caused rejection of the command.

Action

Correct the error and resubmit the command. A complete description of POLICY value specification is provided in the *SRDF Host Component for z/OS Product Guide*.

EMCCP91E

```
SC SRDFA_CMPR POLICY DEFAULT must be specified alone
```

Cause

An SRDF Host Component command was being processed. The command specified verb SC, type SRDFA_CMPR, and action POLICY. However, the value specified for the POLICY action included DEFAULT and at least one other policy option. However, DEFAULT must not be accompanied by any other option. This value error has caused rejection of the command.

Action

Correct the error and resubmit the command. A complete description of POLICY value specifications is provided in the *SRDF Host Component for z/OS Product Guide*.

EMCCP93E

```
SC RDFGRP MODIFY may not specify keyword xxxxxxxx
```

Cause

An #SC RDFGRP command was issued with the MODIFY action. During command parsing, a keyword was detected which may be specified only when an SRDF group is added (the ADD action). Consequently, the command has failed.

Action

Correct the error appropriately, either by removing the keyword and value or by changing the action to ADD, and reissue the command.

EMCCP94E

```
SC SRDFA_CMPR missing action
```

Cause

An #SC SRDFA_CMPR command was issued, but no action was invalid. Consequently, the command has failed.

Action

Specify the action and reissue the command. Consult the *SRDF Host Component for z/OS Product Guide* for information on valid actions.

EMCCP95E

```
SC SRDF_CMPR invalid action xxxxxxxx
```

Cause

An #SC SRDF_CMPR command was issued, but the specified action was invalid. Consequently, the command has failed.

Action

Correct the error appropriately, either by specifying the action or by using a different command, and reissue the command. Consult the *SRDF Host Component for z/OS Product Guide* for information on actions that are valid with the various commands.

EMCCP96E

```
CREATEPAIR requires either 'LCL' or 'RMT'
```

Cause

An #SC VOL command was issued with a CREATEPAIR action. During command parsing, it was discovered that neither the LCL nor the RMT keyword parameter was specified. The location information for the command must be specified via one of these parameters. Consequently, the command has failed.

Action

Include the LCL or the RMT parameter with subparameters as required, and reissue the command.

EMCCP97E

```
Invalid HELP option, CODES, CMDLIST, SYNTAX or HELP allowed
```

Cause

An invalid HELP request was specified.

Action

Correct the erroneous value and submit the command again.

EMCCP98E

```
Invalid HELP CODES option, MR, FILTER, RA, DV, RCS, DA-if, TYP,  
SYS_status, CNTLunit_status, VOLSER or ADCmode allowed
```

Cause

A #HELP CODES command was issued. During command parsing, it was discovered that the option for CODES was not one of those allowed. The option may be one of the allowed codes like MR for a list of mirror type codes, FILTER for a list of filters that may be used on #SQ VOL commands and more. Consequently, the command has failed.

Action

Specify one of the allowed options, or remove the option and allow the command to use the default option. Then reissue the command.

EMCCP99E

GRPONLY option requires RMT or LCL

Cause

An #SC VOL command was issued with the R22SWTCH action and the GRPONLY option. During command parsing, it was discovered that the location information for the command was not LCL or RMT (but instead was VOL, G, or SCFG). The GRPONLY option may be specified only when one of the location keyword parameters RMT or LCL has been specified. Consequently, the command has failed.

Action

Specify valid location information for the GRPONLY option or remove the GRPONLY option. Then reissue the command. Consult the *SRDF Host Component for z/OS Product Guide* for information on the effect of specifying (or not specifying) the GRPONLY option.

EMCCP9AE

Third RMT subparameter, RDF group, is required

Cause

An SRDF Host Component command was being processed. During parsing, the RMT location keyword was detected. The particular verb and type specified, when using the RMT parameter, require the third subparameter. However, the third subparameter was not found. This syntax error has caused rejection of the command.

Action

Provide the third subparameter and resubmit the command. For verb SC and type SRDF_CMPR, consult the *SRDF Host Component for z/OS Product Guide* for valid values for the third subparameter.

EMCCP9BE

Duplicate keyword xxxxxxxx

Cause

An SRDF Host Component command was being processed. During parsing, a keyword occurred in the command string two or more times. This syntax error has caused rejection of the command.

Action

If the keyword was misspelled, correct the incorrectly spelled occurrence. Otherwise, remove the inappropriate occurrence(s) of the keyword. After correcting the error, resubmit the command.

EMCCP9CE

Invalid director number xx

Cause

An SRDF Host Component command was being processed. The command specified verb SQ, type LINK or RDFGRP, and keyword parameter DIR. During parsing, the value xx specified by keyword parameter DIR was found to be invalid. This value error has caused rejection of the command.

Action

Provide a valid director number and resubmit the command.

EMCCP9DE

```
Unbalanced apostrophe or quotation mark
```

Cause

An SRDF Host Component command was being processed. During parsing, an apostrophe or quotation mark was found within the command. However, no balancing apostrophe or quotation mark was found. This syntax error has caused rejection of the command.

Action

Examine the command, locate the apostrophe or quotation mark and determine where the missing balancing apostrophe or quotation mark should be located. Insert the character and resubmit the command.

EMCCP9FE

```
Enter HELP SYNTAX for valid syntax. Invalid parameter entered  
nnnn.
```

Cause

A #HELP SYNTAX command was issued. During command parsing, it was discovered that the option for SYNTAX was not one of those allowed.

Action

Use the #HELP SYNTAX command to find the valid options. Specify one of the allowed options and reissue the command.

EMCCPA0E

```
Only LCL or RMT with subparameter 3 allowed
```

Cause

An #SC SRDFA command was issued. During command parsing, it was discovered that neither the LCL keyword parameter nor the RMT keyword parameter with an SRDF group number as subparameter 3 was specified. The location information for the command action entered must be specified via one of these parameters. Consequently, the command has failed.

Action

Include location information as required and reissue the command. Consult the *SRDF Host Component for z/OS Product Guide* for further information on specific requirements for the command action you specified.

EMCCPA1E

```
SC SRDFA_WP PTYPE action requires device range
```

Cause

An #SC SRDFA_WP command was issued with the PTYPE action. During command parsing, it was discovered that no range of devices whose write pacing type is to be set was specified. Consequently, the command has failed.

Action

Include a device range following the PTYPE keyword and reissue the command. Consult the *SRDF Host Component for z/OS Product Guide* for further information on specific requirements for the SRDFA_WP command type and PTYPE action.

EMCCPA2E

```
Delimiter , or ) not found following option option
```

Cause

An SRDF Host Component command was being processed. The command specified an option list that included the specified option, but a character other than a comma or a right parenthesis was found following the option. This syntax error has caused rejection of the command.

Action

Correct the erroneous command, including the missing comma or right parenthesis as appropriate, and resubmit the command.

EMCCPA3E

```
For SC SRDFA_WP PTYPE action, ALL option invalid
```

Cause

An SRDF Host Component command was being processed. During parsing, the SC verb, SRDFA_WP type and PTYPE action were detected, and the option ALL was specified. However, ALL is not valid with the PTYPE action. This consistency error has caused rejection of the command.

Action

If appropriate, remove the ALL option and resubmit the command.

EMCCPA4E

```
For SC SRDFA_WP PTYPE action, FORCE option invalid
```

Cause

An SRDF Host Component command was being processed. During parsing, the SC verb, SRDFA_WP type and ARM or DISARM action were detected, but no device range was specified. However, a device range must be specified with the ARM and DISARM actions. This syntax error has caused rejection of the command.

Action

Include a device range (a single PowerMax or VMAX device number or a hyphenated ascending pair of PowerMax or VMAX device numbers) and resubmit the command.

EMCCPA5E

```
SC SRDFA_WP ARM/DISARM action requires device range
```

Cause

An SRDF Host Component command was being processed. During parsing, the SC verb, SRDFA_WP type and ARM or DISARM action were detected, but no device range was specified. However, a device range must be specified with the ARM and DISARM actions. This syntax error has caused rejection of the command.

Action

Include a device range (a single PowerMax or VMAX device number or a hyphenated ascending pair of PowerMax or VMAX device numbers) and resubmit the command.

EMCCPA6E

```
Invalid start device specification xxxxxxxx
```

Cause

An SRDF Host Component command was being processed. The command specified verb SQ, a device-oriented type such as VOL or MIRROR, a location parameter of cuu or using one of the keywords LCL, RMT or VOL, and a display count. However, during parsing, the

startingdev# value following the display count was invalid. This value error has caused rejection of the command.

Action

Correct the error and resubmit the command.

EMCCPA7E

```
Start device specification not a valid volser
```

Cause

An SRDF Host Component command was being processed. The command specified verb SQ, a device-oriented type such as VOL or MIRROR, a location parameter and a display count. During parsing, the startingdev# value following the display count was invalid. Either the parser was requested to interpret this start device as a volser, or the location parameter was VOL and the parser was requested to interpret the start device according to the location parameter (as if global option SORT_BY_COMMAND was in effect). In either of these cases, the start device must be formatted as a volser. However, the start device was not in such a format. This value error has caused rejection of the command.

Action

Correct the error, if necessary, modifying the current global display sort order setting as described in the *SRDF Host Component for z/OS Product Guide* to establish the required parsing option. Then resubmit the command.

EMCCPA8E

```
Start device specification not a valid MVS cuu
```

Cause

An SRDF Host Component command was being processed. The command specified verb SQ, a device-oriented type such as VOL or MIRROR, a location parameter and a display count. During parsing, the starting device number following the display count was invalid. Either the parser was requested to interpret this start device as an MVS cuu or the location parameter was an MVS cuu and the parser was requested to interpret the start device according to the location parameter (as if global option SORT_BY_COMMAND was in effect). In either of these cases, the start device must be formatted as an MVS cuu. However, the start device was not in such a format. This value error has caused rejection of the command.

Action

Correct the error, if necessary, modifying the current global display sort order setting as described in the *SRDF Host Component for z/OS Product Guide* to establish the desired parsing option. Then resubmit the command.

EMCCPA9E

```
Start device specification not a valid device number
```

Cause

An SRDF Host Component command was being processed. The command specified verb SQ, a device-oriented type such as VOL or MIRROR, a location parameter and a display count. During parsing, the starting device number following the display count was invalid. Either the parser was requested to interpret this start device as an PowerMax or VMAX device number or the location parameter used the LCL or RMT keyword and the parser was requested to interpret the start device according to the location parameter (as if global option SORT_BY_COMMAND was in effect). In either of these cases, the start device must be formatted as an MVS cuu. However, the start device was not in such a format. This value error has caused rejection of the command.

Action

Correct the error, if necessary, modifying the current global display sort order setting as described in the *SRDF Host Component for z/OS Product Guide* to establish the required parsing option. Then resubmit the command.

EMCCPAAE

```
SELECT invalid logical expression
```

Cause

An SRDF Host Component command was being processed. During command parsing, a SELECT keyword parameter was detected. However, the value specified by the SELECT parameter was an invalid logical expression. This syntax error has caused rejection of the command.

Action

Consult the *SRDF Host Component for z/OS Product Guide* for information on valid logical expression formats. Correct the error and resubmit the command.

EMCCPABE

```
SELECT filter may only follow operator or left parenthesis
```

Cause

An SRDF Host Component command was being processed and the SELECT keyword parameter was detected. During parsing of the select expression, a filter name was detected immediately following a right parenthesis, whereas a filter name may immediately follow only a left parenthesis or an operator (&, |, or !). This syntax error has caused rejection of the command.

Action

Consult the *SRDF Host Component for z/OS Product Guide* for information on valid logical expression formats. Correct the error and resubmit the command.

EMCCPACE

```
SELECT left parenthesis may only follow operator or left parenthesis
```

Cause

An SRDF Host Component command was being processed and the SELECT keyword parameter was detected. During parsing of the select expression, a left parenthesis was detected immediately following a filter name or a right parenthesis, whereas a left parenthesis may immediately follow only a left parenthesis or an operator (&, |, or !). This syntax error has caused rejection of the command.

Action

Consult the *SRDF Host Component for z/OS Product Guide* for information on valid logical expression formats. Correct the error and resubmit the command.

EMCCPADE

```
SELECT right parenthesis may only follow filter or right parenthesis
```

Cause

An SRDF Host Component command was being processed and the SELECT keyword parameter was detected. During parsing of the select expression, a right parenthesis was detected immediately following an operator (&, |, or !) or a filter name, whereas a right parenthesis may immediately follow only a right parenthesis or a filter name. This syntax

error has caused rejection of the command.

Action

Consult the *SRDF Host Component for z/OS Product Guide* for information on valid logical expression formats. Correct the error and resubmit the command.

EMCCPAEE

```
SELECT binary operator may only follow filter or right parenthesis
```

Cause

An SRDF Host Component command was being processed and the SELECT keyword parameter was detected. During parsing of the select expression, a binary operator (& or |) was detected immediately following an operator (&, |, or !) or a filter name, whereas a binary operator may immediately follow only a right parenthesis or a filter name. This syntax error has caused rejection of the command.

Action

Consult the *SRDF Host Component for z/OS Product Guide* for information on valid logical expression formats. Correct the error and resubmit the command.

EMCCPAFE

```
SELECT unary operator may only follow binary operator or left parenthesis
```

Cause

An SRDF Host Component command was being processed and the SELECT keyword parameter was detected. During parsing of the select expression, a unary operator (!) was detected immediately following a right parenthesis, a filter name or a unary operator, whereas a unary operator may immediately follow only a binary operator (& or |) or a left parenthesis. This syntax error has caused rejection of the command.

Action

Consult the *SRDF Host Component for z/OS Product Guide* for information on valid logical expression formats. Correct the error and resubmit the command.

EMCCPB4E

```
Invalid GNS group name
```

Cause

An SQ or SC command was entered with the SCFG option, and the value specified is not a valid GNS group name.

Action

Correct the group name and reenter the command.

EMCCPB5E

```
Invalid SMS/defined group name nnnn
```

Cause

An #SQ or #SC command was entered with the G(*groupname*) option, and *groupname* is not a valid SMS or defined group name.

Action

Verify the spelling of the group name you specified. If you expected the group to be an SMS group, check with your SMS administrator for a list of the valid group names in your system. If you expected the name to be an SRDF Host Component defined group check with your data administrator. Correct and reenter the command.

EMCCPB6E

Invalid MSC/Star group name

Cause

You specified an invalid MSC group name or did not specify one.

Action

Specify an acceptable group name following the guidelines in the *SRDF Host Component for z/OS Product Guide*.

EMCCPB7E

Extraneous parameter detected where none was expected

Cause

An SRDF Host Component command was being processed. During parsing, a parameter was detected at a point when no additional parameters were expected. This syntax error has caused rejection of the command.

Action

Check the *SRDF Host Component for z/OS Product Guide* for the description of the entered command. Work backwards from the end of the command to determine which positional or keyword parameters are inappropriate. Correct the error and resubmit the command.

EMCCPB8E

Action/Option detected with no options specified

Cause

An SRDF Host Component configuration command was being processed. There was an action and option combination specified without an option.

Action

See the *SRDF Host Component for z/OS Product Guide* for a list of options that are valid with the specified action. Correct the error and resubmit the command.

EMCCPB9E

SELECT not valid with specified action

Cause

The #SC VOL CREATEPAIR and CASCRE actions do not allow the SELECT filter.

Action

Resubmit the command without the use of the SELECT filter.

EMCCPBAE

MVS CUU, LCL, RMT, VOL, G or SCFG required

Cause

An SC or SQ command was issued. During command parsing, it was discovered that an invalid location specification for the command was used. Either a gatekeeper alone or one of the keyword parameters LCL, RMT, VOL, G, or SCFG with appropriate subparameters is required. Consequently, the command has failed.

Action

Specify the location information as required, and reissue the command.

EMCCPBBE

SELECT not valid with the NOEXEC option

Cause

An SRDF Host Component command was being processed. The SELECT and NOEXEC keywords were both found and are prohibited. This syntax error has caused rejection of the command.

Action

Correct the error and resubmit the command.

EMCCPBCE

Invalid Port specification found

Cause

A command was entered with a specified port value not in the range of 0-31.

Action

Correct the port value and resubmit the command.

EMCCPBDE

Port specification is not allowed with director range

Cause

A command was entered to either add or remove directors from an SRDF group and a range of directors was specified with a port applied to the range.

Action

Correct the error and resubmit the command.

EMCCPBEE

CNTL/CONTROLLER or PORT action is required.

Cause

An #SQ VIEWRA command was specified and neither REFRESH, PORT, nor CNTL were specified.

Action

Re-enter the #SQ VIEWRA command with one of the keywords specified: REFRESH, PORT, or CNTL.

EMCCPBFE

Only CUU or RMT(*cuu,mhlist*) location allowed.

Cause

The command does not allow specifying a location using syntax other than CUU or RMT(*cuu,hoplist*).

Action

Use the CUU or RMT(*cuu,hoplist*) syntax in the command and retry.

EMCCPC1E

RDY must be specified with R/W

Cause

An #SC VOL CREATEPAIR command was issued with the R/W option without specifying the RDY option. The command cannot be executed.

Action

Specify CREATEPAIR(R/W,RDY) and retry.

EMCCPC2E

Specified max # of ranges must be 1-256

Cause

An out-of-bounds value was provided for multirange max number of ranges via either SRDF Host Component initialization parameter: MULTI_RANGEON(.....) or via command: #SC GLOBAL,MULTI_RANGEON(.....).

Action

Correct the max number of ranges value provided by the initialization parameter if it was specified, and issue #SC GLOBAL,PARM_REFRESH. If the error resulted from the #SC GLOBAL,MULTI_RANGEON command, reissue the command with an appropriate value (1-256).

EMCCPC3E

Specified max # of devices must be 1-2048

Cause

An out-of-bounds max number of devices was specified for multirange via either SRDF Host Component initialization parameter: MULTI_RANGEON(.....) or via command: #SC GLOBAL,MULTI_RANGEON(.....).

Action

Adjust the value in the initialization parameter value and issue #SC GLOBAL,PARM_REFRESH or reissue the #SC GLOBAL,MULTI_RANGEON command with an appropriate value for max number of devices (1-2048).

EMCCPC4E

Microcode level must be 5876.286 or higher.

Cause

Creation of an SRDF group between a VMAX2 and VMAX3 storage system was attempted where the VMAX2 did not have operating environment level 5876.286 or later.

Action

Update the operating environment on the VMAX2 system to 5876.286 or later.

EMCCPC5E

GSPACE/NOGSPACE option required

Cause

An #SC SRDFA_WP command was issued with the PTYPE action and without the GSPACE or NOGSPACE argument. Command aborted.

Action

Specify the GSPACE or NOGSPACE option and retry.

EMCCPC6E

SC RDFGRP cannot add/remove more than eight director/port combinations

Cause

An #SC RDFGRP command was issued for which more than eight director and port combinations were specified. This is not allowed.

Action

Correct the specification and retry.

EMCCPC7E

5-digit CUU is disallowed

Cause

A command has been issued against a 5-digit CUU. SRDF Host Component does not support issuing commands against a 5-digit CUU.

Action

Specify a 4-digit CUU and retry.

EMCCPC8E

SC RDFGRP ADD length of LABEL cannot be more than 10 characters.

Cause

When issuing an #SC RDFGRP, ADD command, a LABEL value was specified that exceeds 10 characters.

Action

Specify a LABEL of 10 or less characters and retry.

EMCCPC9E

Incorrect parameter detected where director was expected

Cause

An #SC LINK command has been issued with the director specified incorrectly on the command (wrong place or invalid value).

Action

Specify a valid director in accordance with the #SC LINK syntax.

EMCCQ01I

QUEUED BY NAME COMMAND PURGED: *command*

Cause

A previous command in the queue failed and purge was in effect.

Action

Identify and correct the failing command, and submit the purged commands again.

EMCCR01E

SC(ONFIG) RDFGRP, INVALID RDFGRP, MUST BE A VALID RDFGRP ON A FIBER RA

Cause

An #SC RDFGRP command was issued with an action of ADD or MODIFY and either an invalid group number was specified, or an invalid director list was specified.

Action

Ensure that the directors listed in the LDIR and RDIR parameters are all valid Fibre Channel or GigE SRDF directors and restrictions listed for SRDF group creation in the *SRDF Host Component for z/OS Product Guide* are met. Ensure that the SRDF group number specified for either side is a valid group number for the operating environment level(s) running on both sides.

EMCCR02E

```
SC(ONFIG) RDFGRP, ACTION MUST BE SYNCH_DIRECTION, ADD, MODIFY, OR DELETE
```

Cause

An #SC RDFGRP,*cuu,action,srdfgrp* command was issued where the *action* value was invalid.

Action

Specify a valid action for the #SC RDFGRP command.

EMCCR02R

```
SRDF_CMPR ACT requested for symmserial RDF Grp srdfgrp, reply CONTINUE to proceed or CANCEL to terminate
```

Cause

An #SC SRDF_CMPR command with an ACT action has been issued and operator verification of the command is required.

Action

Reply CONTINUE to allow the command to proceed or CANCEL to terminate the command without activating SRDF compression.

EMCCR03E

```
SC(ONFIG) RDFGRP, srdfgrp, ONLINE BUT ALREADY ONLINE
```

Cause

An #SC RDFGRP,*cuu,STATE({ONLINE|OFFLINE}),srdfgrp* command was issued but the indicated SRDG group is already in the specified state (online or offline).

Action

Issue an #SQ RDFGRP command to determine the current status of the SRDF group.

EMCCR03R

```
SRDF_CMPR DEACT requested for symmserial RDF Grp srdfgrp, reply CONTINUE to proceed or CANCEL to terminate
```

Cause

An #SC SRDF_CMPR command with a DEACT action has been issued and operator verification of the command is required.

Action

Reply CONTINUE to allow the command to proceed or CANCEL to terminate the command without deactivating SRDF compression.

EMCCR04E

```
SC(ONFIG) RDFGRP, srdfgrp, OFFLINE BUT ALREADY OFFLINE
```

Cause

An #SC RDFGRP,*cuu*,STATE({ONLINE|OFFLINE}),*srdfgrp* command was issued requesting a state change to the online or offline state that the SRDF group is already in.

Action

Issue an #SQ RDFGRP command to determine the current status of the SRDF group.

EMCCR04R

```
SRDFA_WP AUTO_ACT requested for symmserial RDF Grp srdfgrp, reply
CONTINUE to proceed or CANCEL to terminate
```

Cause

An #SC SRDFA_WP command with an AUTO_ACT action has been issued, and operator verification of the command is required.

Action

Reply CONTINUE to allow the command to proceed or CANCEL to terminate the command without modifying the write pacing auto-activate setting.

EMCCR05E

```
SC (ONFIG) RDFGRP PARAMETER ERROR
```

Cause

An #SC RDFGRP command was issued with invalid parameters.

Action

Review the *SRDF Host Component for z/OS Product Guide* for the correct format of the command. Re-enter the command with the correct parameters. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCCR05R

```
SRDFA_WP ACT requested for symmserial RDF Grp srdfgrp, reply
CONTINUE to proceed or CANCEL to terminate
```

Cause

An #SC SRDFA_WP command with an ACT action has been issued, and operator verification of the command is required.

Action

Reply CONTINUE to allow the command to proceed or CANCEL to terminate the command without activating SRDF/A write pacing.

EMCCR06R

```
SRDF IS GOING TO ALTER THE STATE OF AN RDF GROUP, REPLY CONTINUE
TO PROCEED OR CANCEL TO TERMINATE
```

Cause

An #SC RDFGRP,*cuu*,STATE({ONLINE|OFFLINE}),*srdfgrp* command was issued.

Action

Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCR07E

```
SC (ONFIG) RDFGRP,SYNCH_DIRECTION, SPECIFIED BUT R1>R2, R1<R2,  
NONE, OR, CNFG WAS NOT FOUND
```

Cause

An #SC RDFGRP,SYNCH_DIRECTION,*option* command was issued, but *option* is not a valid value.

Action

Specify a valid option for the SYNCH_DIRECTION action, as listed in the *SRDF Host Component for z/OS Product Guide*.

EMCCR08E

```
SC (ONFIG) RDFGRP,SYNCH_DIRECTION, SPECIFIED BUT RDFGROUP srdfgrp  
OFFLINE - CANNOT COMPLETE
```

Cause

An #SC RDFGRP command was issued to set the synchronization direction for a group, but the group was offline. The operation is terminated.

Action

Resolve the condition that causes the error.

EMCCR0AI

```
NOEXEC specified, terminating
```

Cause

An #SC VOL command was issued with an action that specified the NOEXEC option. Validation of the action has completed successfully. As indicated by the NOEXEC option, the action is bypassed and command processing terminates. This is a non-error condition.

Action

None. If the action proceeds after successful validation, remove the NOEXEC option and reissue the command.

EMCCR0BI

```
Director dir#[port#] already in RDF group director list, not added
```

Cause

An #SC RDFGRP command was issued with a MODIFY action, and a link director was specified to be added from the SRDF group's local or remote director list. However, the director was already in the SRDF group's director list, so the add was skipped.

Action

Check that the specified SRDF group, the director number, and the remove indicator (-) were all specified as intended. If not, correct the error and resubmit the command. Otherwise, no action is needed.

EMCCR0CI

```
Director dir# not in RDF group director list, not removed
```

Cause

An #SC RDFGRP command was issued with a MODIFY action, and a link director was specified to be removed from the SRDF group's local or remote director list. However, the director was not found in the SRDF group's director list, so the removal was skipped.

Action

Check that the specified SRDF group, the director number, and the remove indicator (-)

were all specified as intended. If not, correct the error and resubmit the command. Otherwise, no action is needed.

EMCCR0DI

```
No director list changes needed on Lcl side
```

Cause

An #SC RDFGRP command was issued with a MODIFY action. However, either no link directors were specified to be added or removed on the local side or no director list changes were required for the local side as indicated by messages EMCCR0AI or EMCCR0BI. In either case, no action is necessary for the local side.

Action

None.

EMCCR0EI

```
No director list changes needed on Rmt side
```

Cause

An #SC RDFGRP command was issued with a MODIFY action. However, either no link directors were specified to be added or removed on the remote side or no director list changes were required for the remote side as indicated by messages EMCCR0AI or EMCCR0BI. In either case, no action is necessary for the remote side.

Action

None.

EMCCR0FR

```
SRDFA_WP DEACT requested for symmserial RDF Grp srdfgrp, reply  
CONTINUE to proceed or CANCEL to terminate
```

Cause

An #SC SRDFA_WP command with a DEACT action has been issued, and operator verification of the command is required.

Action

Reply CONTINUE to allow the command to proceed or CANCEL to terminate the command without deactivating SRDF/A write pacing.

EMCCR10I

```
STARTING WAIT FOR SRDF/A CYCLE SWITCH
```

Cause

The SRDF/A PEND_DEACT or PEND_DROP command was issued and the code is waiting for the cycle switch before completion of the command.

Action

None.

EMCCR11I

```
END OF WAIT FOR SRDF/A CYCLE SWITCH
```

Cause

The SRDF/A PEND_DEACT or PEND_DROP command was issued and SRDF Host Component is finished waiting for the cycle switch to test for completion of the command.

Action

None.

EMCCR12I

```
SRDF/A COMMAND COMPLETION RETRY
```

Cause

An SRDF/A command was issued and SRDF Host Component has detected that the action has not completed. The command is being reissued.

Action

None.

EMCCR13E

```
Command allowed only if remote side inaccessible
```

Cause

A DROP_SIDE action was used to request termination of an SRDF/A session from one side only. However, the SRDF/A session is active, and consequently the SRDF/A session must be terminated on both sides.

Action

If the SRDF/A session is to be terminated, use an action that operates on both sides of the SRDF/A session such as PEND_DROP, PEND_DEACT, CONS_DEACT, DEACT_TO_ADCOPY or DEACT_TO_ADCOPY_DISK.

EMCCR14E

```
Command not allowed if remote side inaccessible
```

Cause

The SRDF/A DROP action cannot be run against a group that is not online.

Action

Determine why the group is offline. Take the appropriate steps to bring it online in the desired mode.

EMCCR15E

```
RDF group srdfgrp not found
```

Cause

A command specified an SRDF group in a LCL(or RMT(parameter, but the SRDF group is undefined or unavailable. The command is rejected.

Action

If the SRDF group was specified incorrectly, correct it and submit the command again. If the SRDF group was specified correctly, determine why it is unavailable. Begin your investigation with the #SQ RDFGRP command.

EMCCR16E

```
Remote RDF group srdfgrp unavailable, SYNCH_DIRECTION not set
```

Cause

An #SC RDFGRP command with the SYNCH_DIRECTION action has been issued. However, the synchronization direction could not be set because the other-side storage system of the SRDF group is inaccessible, perhaps due to a malfunctioning or link director.

Action

Reissue the command when connectivity to the other-side storage system has been reestablished.

EMCCR17R

```
SRDFA_WP DSE_THOLD requested for symmserial RDF Grp srdfgrp, reply
CONTINUE to proceed or CANCEL to terminate
```

Cause

An #SC SRDFA_WP command with a DSE_THOLD action has been issued and operator verification of the command is required.

Action

Reply CONTINUE to allow the command to proceed or CANCEL to terminate the command without modifying the DSE pool threshold for the SRDF/A group.

EMCCR18R

```
SRDFA_WP MAXDELAY requested for symmserial RDF Grp srdfgrp, reply
CONTINUE to proceed or CANCEL to terminate
```

Cause

An #SC SRDFA_WP command with a MAXDELAY action has been issued, and operator verification of the command is required.

Action

Reply CONTINUE to allow the command to proceed or CANCEL to terminate the command without modifying the maximum delay time that may be applied to a host write operation for the SRDF/A group.

EMCCR19E

```
Multi-hop loop detected, command cannot run
```

Cause

During validation of the hop list specified as the second subparameter of the "RMT(" keyword (with the third subparameter appended to the list if specified), SRDF Host Component detected that the path encounters the same storage system more than once. This loop condition is not permitted by SRDF Host Component.

Action

Using #SQ RDFGRP commands as an aid, determine a path that will lead to the storage system on which the entered command is to be processed without encountering any single storage system more than once. Note that the storage system determined by the gatekeeper specified as the first subparameter of the "RMT(" keyword is included in the path.

EMCCR1CE

```
RDF group srdfgrp is SRDF/Metro
```

Cause

An #SC VOL command was issued to a device that is in an SRDF/Metro group. The request was aborted.

Action

Use another device in the command.

EMCCR1EE

Mixed director types are not supported

Cause

An #SC RDFGRP ADD or MODIFY command was issued but the director list specified contained mixed director types.

Action

Select matching director types and re-enter the command.

EMCCR1FE

Director *dir#* does not exist on a Symm *symmserial*

Cause

An #SC RDFGRP ADD or MODIFY command was issued; however, the director specified in the command does not exist on the storage system.

Action

Check the director number and re-enter the command.

EMCCR20E

SRDF/A COMMAND NEEDS TO BE ISSUED ON PRIMARY SIDE

Cause

An attempt was made to issue an SRDF/A command on the secondary side of the SRDF/A session. However, the issued command can only be run on the primary side of the SRDF/A session.

Action

Issue the command again from the primary side of the SRDF/A session.

EMCCR21E

SRDF/A COMMAND NEEDS TO BE ISSUED ON SECONDARY SIDE

Cause

An attempt was made to issue an SRDF/A command on the primary side of the SRDF/A session. However, but the command can only be run on the secondary side of the SRDF/A session.

Action

Issue the command again from the secondary side.

EMCCR22E

SRDF/A COMMAND MUST RUN FROM CLOSEST POINT (*id*)

Cause

An SRDF/A command using the RMT(command format was issued, and the SRDF/A group targeted by the command spans two storage systems in the SRDF group hop sequence. However, SRDF/A commands cannot be run on the far side of the SRDF/A session. In the message, *id* indicates the point in hop list analysis at which the error was detected.

Action

Modify the command as required and submit it again. Run the command again using the shortest hop list. Depending on the format of the failing command, it will be necessary to either change 'RMT(' to 'LCL(' or to alter the hoplist subparameter of 'RMT('.

EMCCR23E

SRDF/A DROP COMMAND CANNOT RUN, SRDF/A IS NOT ACTIVE FOR RDF GROUP *srdfgrp*

Cause

An SRDF/A DROP command was attempted. This command can only be processed when SRDF/A is active. The message provides the SRDF group number specified in the command.

Action

If either the SRDF group number or the gatekeeper was specified incorrectly, correct the erroneous value and submit the command again.

EMCCR24E

SRDF/A PEND_DEACT COMMAND CANNOT RUN, SRDF/A IS NOT ACTIVE FOR RDF GROUP *srdfgrp*

Cause

An SRDF/A PEND_DEACT command was attempted. This command can only be processed when SRDF/A is active. The message provides the SRDF group number specified in the command.

Action

If either the SRDF group number or the gatekeeper was specified incorrectly, correct the erroneous value and submit the command again.

EMCCR25E

SRDF/A PEND_DROP COMMAND CANNOT RUN, SRDF/A IS NOT ACTIVE FOR RDF GROUP *srdfgrp*

Cause

An SRDF/A PEND_DROP command was attempted. This command can only be processed when SRDF/A is active. The message provides the SRDF group number specified in the command.

Action

If either the SRDF group number or the gatekeeper was specified incorrectly, correct the erroneous value and submit the command again.

EMCCR26E

SRDF/A SUSPEND COMMAND CANNOT RUN, SRDF/A IS NOT ACTIVE FOR RDF GROUP *srdfgrp*

Cause

An SRDF/A SUSPEND command was attempted. This command can only be processed when SRDF/A is active. The message provides the SRDF group number specified in the command.

Action

If either the SRDF group number or the gatekeeper was specified incorrectly, correct the erroneous value and submit the command again.

EMCCR27E

SRDF/A SUSPEND COMMAND CANNOT RUN, SRDF/A IS ALREADY SUSPENDED

Cause

An SRDF/A SUSPEND command was attempted, but SRDF/A is already suspended.

Action

Only run the SUSPEND command when SRDF/A is not suspended.

EMCCR28E

```
SRDF/A RESUME COMMAND CANNOT RUN, SRDF/A IS NOT ACTIVE FOR RDF
GROUP srdfgrp
```

Cause

An SRDF/A RESUME command was attempted, but SRDF/A is not active. If either the SRDF group number or the gatekeeper was specified incorrectly, correct the erroneous value and submit the command again.

Action

Only run the RESUME command when SRDF/A is both active and suspended.

EMCCR29E

```
SRDF/A RESUME COMMAND CANNOT RUN, SRDF/A IS NOT SUSPENDED FOR RDF
GROUP srdfgrp
```

Cause

An SRDF/A RESUME command was attempted, but SRDF/A is not suspended.

Action

Only run the RESUME command when SRDF/A is both active and suspended.

EMCCR2AE

```
SRDFA DROP_SIDE COMMAND CANNOT RUN, SRDF/A IS NOT ACTIVE FOR RDF
GROUP srdfgrp
```

Cause

An #SC SRDFA DROP_SIDE command was issued to an SRDF group that does not have SRDF/A active. DROP_SIDE is used to drop SRDF/A when SRDF/A is in Transmit Idle and requires SRDF/A active.

Action

Verify the SRDF group that the command was issued to. If either the SRDF group number or the gatekeeper was specified incorrectly, correct the erroneous value and submit the command again.

EMCCR2BE

```
Engenuity level is 5x71 or higher, 'SC SRDFA' commands require
LCL( or RMT(
```

Cause

The cuu format of the SRDF/A command is not supported at Engenuity 5x71 and later levels of the operating environment.

Action

Specify the command again using the LCL syntax SRDFA,LCL(*cuu,srdfgrp*),*action* or the RMT syntax SRDFA,RMT(*cuu,srdfgrp*),*action*.

EMCCR2CE

```
DSE commands cannot run, SRDF/A is not active for RDF group
srdfgrp
```

Cause

A DSE command (#SC SRDFA_DSE) was issued for an SRDF group on which SRDF/A is not active. However, the action specified on the command requires SRDF/A to be active on the group specified in the command.

Action

Activate SRDF/A on the group by means of an #SC SRDFA ACT command. Then submit the DSE command again.

EMCCR2DE

```
DSE command cannot run, DSE is not active for RDF group srdfgrp
```

Cause

A DSE command (#SC SRDFA_DSE) was issued. However, the command requires DSE to have been previously activated on the SRDF/A group, and DSE was inactive on the SRDF/A group.

Action

Activate DSE on the SRDF/A group by means of the #SC SRDFA_DSE ACT command. Then submit the original command again.

EMCCR2EE

```
DSE ACT command cannot run, DSE is already active for RDF group srdfgrp
```

Cause

An #SC SRDFA_DSE ACT command was issued. However, DSE was already active on the specified SRDF group.

Action

None.

EMCCR2FE

```
DSE ACT command cannot run, no pools defined for SRDF/A session
```

Cause

An #SC SRDF_DSE ACT command was issued. To activate DSE on an SRDF/A session, a pool must have previously been defined for the session. However, no pools are currently defined.

Action

Define a pool for the SRDF/A session as described in the *SRDF Host Component for z/OS Product Guide*. Then reissue the command.

EMCCR30E

```
SRDF/A ACT COMMAND CANNOT RUN SINCE SRDF/A IS ALREADY ACTIVE
```

Cause

An SRDF/A ACT command was attempted, but SRDF/A is already active.

Action

The SRDF/A ACT command can only be run when SRDF/A is inactive and all devices are ready on the link.

EMCCR31E

```
SRDF/A {ACT|TOL_ON} COMMAND CANNOT RUN SINCE SOME SRDF/A DEVICES  
ARE TGT-NRDY.
```

Cause

An SRDF/A command was attempted that requires all devices ready on the link.

Action

Run the command again when all devices are ready on the link.

EMCCR32I

```
WAITING SINCE SRDF/A CLEANUP IS RUNNING
```

Cause

When SRDF/A leaves the active state, it goes into a special state called cleanup. Cleanup in the primary side will last approximately 30 seconds. Cleanup on the secondary side will be about 30 seconds unless SRDF/A has been running in MSC. If SRDF/A has been running in MSC and host intervention is required, then cleanup can last until the host intervenes. When SRDF/A is in cleanup mode, certain SRDF commands will be blocked. In particular, all #SC SRDFA commands will be blocked until cleanup is done.

Action

Wait until cleanup is finished and then issue the command again.

EMCCR33E

```
SRDFA action COMMAND CANNOT RUN SINCE DEVICE dev# IS AN IN USE  
BCV
```

Cause

The indicated #SC SRDFA command action has been issued to an SRDF group that has at least one device *dev#* that is currently being used as a BCV and therefore cannot be used as an SRDF device.

Action

In order to issue the indicated command, you need to have only SRDF devices in the SRDF group. Split all SRDF devices that are currently being used as BCVs and reissue the command.

EMCCR34E

```
SRDFA command COMMAND CANNOT RUN SINCE DEVICE dev# IS IN A  
CONGROUP
```

Cause

The indicated #SC SRDFA command action has been issued to an SRDF group that has at least one device *dev#* belonging to a consistency group.

Action

Remove the indicated device from the consistency group and reissue the command.

EMCCR36E

```
NOT ALL RMT DEV ARE IN THE SAME CACHE PARTITION GROUP - DEVICE  
syndv# (CUU:ccuu)
```

Cause

When trying to activate SRDF/A, the scan of the devices was done and it was determined that the indicated device was not in the same cache partition as other devices in the SRDF group.

Action

Ensure that your cache partition has all of the devices in the SRDF group. SRDF/A and SRDF_DSE cannot run when the devices in the SRDF group are not all in the same cache partition.

EMCCR37E

```
Multi-hop list validation error error-code
```

Cause

During validation of the hop list specified as the second subparameter of the "RMT(" keyword (with the third subparameter appended to the list if specified), SRDF Host Component has detected an error preventing successful traversing of the path. The error may be due to a link having been severed between two storage systems along the path.

Action

Verify that each step along the path can successfully be traversed. If a link has dropped, attempt to reestablish it. Reissue the command when the problems have been identified and addressed. If unable to resolve the problem, contact the Dell EMC Customer Support Center, and provide the error code in the message. Be prepared to supply hardware and software configuration information as directed by Dell EMC.

EMCCR38R

```
SYNCH_DIRECTION change request for symmserial, reply CONTINUE to proceed, CANCEL to terminate
```

Cause

An #SC CNFG SYNCH_DIRECTION command has been issued for the indicated storage system. Since the OPERATOR_VERIFY=ALL initialization parameter is specified, you are asked to approve or terminate the command.

Action

Reply CONTINUE to process the command. SRDF Host Component will issue message EMCGM07I if successful. Reply CANCEL to terminate the command. SRDF Host Component will not attempt to process the command, and will issue message EMCGM10E.

EMCCR39R

```
SYNCH_DIRECTION change request for RDF group, reply CONTINUE to proceed, CANCEL to terminate
```

Cause

An #SC RDFGRP command with a SYNCH_DIRECTION action has been issued, and operator verification of the action is required.

Action

Reply CONTINUE to allow the command to proceed or CANCEL to terminate the command without changing the synch direction.

EMCCR3AE | EMCCR3AW

```
ONE OR MORE DIRECTORS ON THE {LCL|RMT} SIDE AT MAX # OF GROUPS  
<list of directors>
```

Cause

An #SC RDFGRP MODIFY or #SC RDFGRP ADD command exceeded the 64 group limit on a director. The second line of this message lists up to 8 directors that are at the maximum number of groups. For MODIFY actions, both the remote and the local sides are checked. For ADD actions, only the local side is checked.

Message EMCCR3A can be issued either as an E level or as a W level message. When the

ADD or MODIFY action is the cause for the director exceeding max groups, the message is issued as an E level message. When the directors already exceed max groups, the message is issued as a W level message.

Action

Retry the command, specifying directors that are not at the maximum number of groups.

EMCCR3BE

```
Cannot set tolerance off, not in tolerance mode
```

Cause

An #SC SRDFA command was issued with a TOL_OFF action. However, the SRDF/A session identified in the command is not in tolerance mode. Consequently, the action has been rejected.

Action

None.

EMCCR3CE

```
Device must not be protected by CONGROUP Dev symdv#
```

Cause

A device belonging to the SRDF group was protected by a consistency group and activating SRDF/A would cause ConGroup to drop, resulting in a loss of consistency group protection. *symdv#* indicates the device number of the first device protected by a consistency group.

Action

If you still want to activate SRDF/A on the group, you must disable the consistency group that is protecting the devices in this SRDF group.

EMCCR3DR

```
SRDFA_WP PTYPE requested for symmserial RDF Grp srdfgrp, reply  
CONTINUE to proceed or CANCEL to terminate
```

Cause

An #SC SRDFA_WP command with a PTYPE action has been issued and operator verification of the command is required.

Action

Reply CONTINUE to allow the command to proceed or CANCEL to terminate the command without modifying the write pacing attributes applying to the SRDF/A group.

EMCCR3ER

```
MS_DISCARD REQUESTED TO SRDF/A FOR symmserial REPLY CONTINUE TO  
PROCEED OR CANCEL TO TERMINATE
```

Cause

An SRDF/A MS_DISCARD command was attempted and the OPERATOR_VERIFY initialization parameter is on.

Action

Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCR3FR

```
MS_COMMIT REQUESTED TO SRDF/A FOR symmserial REPLY CONTINUE TO  
PROCEED OR CANCEL TO TERMINATE
```

Cause

An SRDF/A MS_COMMIT command was attempted and the OPERATOR_VERIFY initialization parameter is on.

Action

Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCR40R

```
SRDFA_WP STATS_OFF requested for symmserial RDF Grp srdfgrp, reply  
CONTINUE to proceed or CANCEL to terminate
```

Cause

An #SC SRDFA_WP command with a STATS_OFF action has been issued and operator verification of the command is required.

Action

Reply CONTINUE to allow the command to proceed or CANCEL to terminate the command without deactivating the collection of write pacing statistics for the SRDF/A group.

EMCCR41R

```
DROP REQUESTED TO SRDF/A FOR symmserial REPLY CONTINUE TO PROCEED  
OR CANCEL TO TERMINATE
```

Cause

An #SC SRDFA DROP command was attempted and the OPERATOR_VERIFY initialization parameter is on.

Action

Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCR42R

```
ACT REQUESTED TO SRDF/A FOR symmserial REPLY CONTINUE TO PROCEED  
OR CANCEL TO TERMINATE
```

Cause

An #SC SRDFA ACT command was attempted and the OPERATOR_VERIFY initialization parameter is on.

Action

Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCR43R

```
PEND_DEACT REQUESTED TO SRDF/A FOR symmserial REPLY CONTINUE TO  
PROCEED OR CANCEL TO TERMINATE
```

Cause

An #SC SRDFA PEND_DEACT command was attempted and the OPERATOR_VERIFY initialization parameter is on.

Action

Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCR44R

```
PEND_DROP REQUESTED TO SRDF/A FOR symmserial REPLY CONTINUE TO  
PROCEED OR CANCEL TO TERMINATE
```

Cause

An #SC SRDFA PEND_DROP command was attempted and the OPERATOR_VERIFY initialization parameter is on.

Action

Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCR45R

```
TOL_ON REQUESTED TO SRDF/A FOR symmserial REPLY CONTINUE TO  
PROCEED OR CANCEL TO TERMINATE
```

Cause

An #SC SRDFA TOL_ON command was attempted, and the OPERATOR_VERIFY initialization parameter is on.

Action

Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCR46R

```
TOL_OFF REQUESTED TO SRDF/A FOR symmserial REPLY CONTINUE TO  
PROCEED OR CANCEL TO TERMINATE
```

Cause

An #SC SRDFA TOL_OFF command was attempted, and the OPERATOR_VERIFY initialization parameter is on.

Action

Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCR47R

```
SUSPEND REQUESTED TO SRDF/A FOR symmserial REPLY CONTINUE TO  
PROCEED OR CANCEL TO TERMINATE
```

Cause

An #SC SRDFA SUSPEND command was attempted, and the OPERATOR_VERIFY initialization parameter is on.

Action

Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCR48R

```
RESUME REQUESTED TO SRDF/A FOR symmserial REPLY CONTINUE TO  
PROCEED OR CANCEL TO TERMINATE
```

Cause

An #SC SRDFA RESUME command was attempted, and the OPERATOR_VERIFY initialization parameter is on.

Action

Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCR49R

```
SET_PR REQUESTED TO SRDF/A FOR symmserial REPLY CONTINUE TO  
PROCEED OR CANCEL TO TERMINATE
```

Cause

An #SC SRDFA SET_PR command was attempted, and the OPERATOR_VERIFY initialization parameter is on.

Action

Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCR4AR

```
CLR_PR REQUESTED TO SRDF/A FOR symmetrix_serial# REPLY CONTINUE TO  
PROCEED OR CANCEL TO TERMINATE
```

Cause

An SRDF/A CLR_PR command was attempted, and the OPERATOR_VERIFY initialization parameter is on.

Action

Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCR4BR

```
MS_ON REQUESTED TO SRDF/A FOR symmserial REPLY CONTINUE TO PROCEED  
OR CANCEL TO TERMINATE
```

Cause

An SRDF/A MS_ON command was attempted and the OPERATOR_VERIFY initialization parameter is on.

Action

Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCR4CR

```
MS_OFF REQUESTED TO SRDF/A FOR symmserial REPLY CONTINUE TO  
PROCEED OR CANCEL TO TERMINATE
```

Cause

An SRDF/A MS_OFF command was attempted and the OPERATOR_VERIFY initialization parameter is on.

Action

Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCR4DR

```
MS_OPEN_W REQUESTED TO SRDF/A FOR symmserial REPLY CONTINUE TO  
PROCEED OR CANCEL TO TERMINATE
```

Cause

An SRDF/A MS_OPEN_W command was attempted and the OPERATOR_VERIFY initialization parameter is on.

Action

Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCR4ER

```
MS_CLOSE_W REQUESTED TO SRDF/A FOR symmserial REPLY CONTINUE TO  
PROCEED OR CANCEL TO TERMINATE
```

Cause

An SRDF/A MS_CLOSE_W command was attempted and the OPERATOR_VERIFY initialization parameter is on.

Action

Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCR4FR

```
MS_CYCLE_SW REQUESTED TO SRDF/A FOR symmserial REPLY CONTINUE TO  
PROCEED OR CANCEL TO TERMINATE
```

Cause

An SRDF/A MS_CYCLE_SW command was attempted and the OPERATOR_VERIFY initialization parameter is on.

Action

Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCR50E

```
INCORRECT DYNAMIC GROUP FLAGS
```

Cause

An #SC RDFGRP command was issued to add or modify a dynamic SRDF group, and an invalid flag setting was specified.

Action

Reissue the command with the correct flag settings. Review the *SRDF Host Component for z/OS Product Guide* for the flag settings that can be specified for ADD or MODIFY.

EMCCR50R

```
SRDFA_WP STATS_ON requested for symmserial RDF Grp srdfgrp, reply  
CONTINUE to proceed or CANCEL to terminate
```

Cause

An #SC SRDFA_WP command with a STATS_ON action has been issued and operator verification of the command is required.

Action

Reply CONTINUE to allow the command to proceed or CANCEL to terminate the command without activating the collection of write pacing statistics for the SRDF/A group.

EMCCR51E

```
SC(ONFIG) RDFGRP {RDIR|LDIR|LABEL|RGRP|RSER} NOT VALID  
FOR {ADD|MODIFY|DELETE}
```

Cause

An #SC RDFGRP command was entered with a parameter that is not valid for the specified action.

Action

Reenter the command with the correct action code and parameters. See the *SRDF Host Component for z/OS Product Guide* for the correct format of the #SC RDFGRP command.

EMCCR51R

```
SRDFA_WP STATS_RESET requested for symmserial RDF Grp srdfgrp,  
reply CONTINUE to proceed or CANCEL to terminate
```

Cause

An #SC SRDFA_WP command with a STATS_RESET action has been issued and operator verification of the command is required.

Action

Reply CONTINUE to allow the command to proceed or CANCEL to terminate the command without resetting the write pacing statistics for the host.

EMCCR52E

```
SC(ONFIG) RDFGRP parameter PARAMETER INVALID
```

Cause

An #SC RDFGRP command was requested but the value for the indicated parameter is not valid.

Action

Review the #SC RDFGRP command in the *SRDF Host Component for z/OS Product Guide* and reissue the command with valid parameters.

EMCCR52R

```
SRDFA_WP THRESHOLD requested for symmserial RDF Grp srdfgrp, reply  
CONTINUE to proceed or CANCEL to terminate
```

Cause

An #SC SRDFA_WP command with a THRESHOLD action has been issued, and operator verification of the command is required.

Action

Reply CONTINUE to allow the command to proceed or CANCEL to terminate the command without modifying the cache usage threshold value at which write pacing will be initiated for the SRDF/A group.

EMCCR53E

```
Cascaded srdf/a is not supported
```

Cause

An attempt to activate SRDF/A on one leg of a cascaded set while the other leg is already active in SRDF/A mode. This is not allowed.

Action

Review the action and make sure that it was issued to the correct SRDF group.

EMCCR54E

```
SC(ONFIG) RDFGRP REQUIRED PARAMETER(S) MISSING: missing-parameter-list
```

Cause

An #SC RDFGRP command was requested but the listed required parameters were not specified in the command.

Action

Review the #SC RDFGRP command in the *SRDF Host Component for z/OS Product Guide* and reissue the command with the required parameters.

EMCCR55E

```
SRDFA {ACT|TOL_ON} ACTION NOT ALLOWED FOR GROUP srdfgrp - ALL DEVICES MUST BE R1/R21 OR R2
```

Cause

An #SC SRDFA command specifying action *ccccccc* has been issued to a SRDF group that has both R1-R21 and R2 devices. The indicated action, either ACT or TOL_OFF, may be taken only for an SRDF group with either all R1-R21 devices or all R2 devices.

Action

Using dynamic SRDF commands, you can change device characteristics such that all devices in the SRDF group are either R1-R21 or R2. After changing device characteristics, you can reissue the command.

EMCCR56R

```
DEACT_TO_ADCOPY FOR symmserial REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE
```

Cause

An #SC SRDFA DEACT_TO_ADCOPY command was attempted and operator verification is required.

Action

Reply CONTINUE to allow the command to process or CANCEL to terminate the command. If operator verification should not be required, it may be eliminated by changing the OPERATOR_VERIFY initialization parameter and refreshing the initialization parameters by means of the #SC GLOBAL,PARAM_REFRESH command.

EMCCR57R

```
DEACT_TO_ADCOPY_DISK FOR symmserial REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE
```

Cause

An #SC SRDFA DEACT_TO_ADCOPY_DISK command was attempted and operator verification is required.

Action

Reply CONTINUE to allow the command to process or CANCEL to terminate the command. If operator verification should not be required, it may be eliminated by changing the OPERATOR_VERIFY initialization parameter and refreshing the initialization parameters using the #SC GLOBAL,PARAM_REFRESH command.

EMCCR58E

```
DYNAMIC GROUP ACTION, {STAR|STAR-A|SQAR} FLAG REQUIRED
```

Cause

An #SC RDFGROUP command has been issued that is only valid for an SRDF group running in one of the following configurations:

- SRDF/Star
- SRDF/Star-A
- SRDF/SQAR

Action

If you are not using SRDF/Star, SRDF/Star-A, or SRDF/SQAR, do not use this command. If you have SRDF/Star, SRDF/Star-A, or SRDF/SQAR and the corresponding configuration indicator is not set on the SRDF group, you cannot issue the command at this time. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCCR59E

```
SC SRDFA_DSE POOL PARAMETER MISSING OR INVALID
```

Cause

An #SC SRDFA_DSE FBA_POOL, 3390_POOL, 3380_POOL or A400_POOL command has been issued, but the pool name is not specified in the form p(xxxxxxxx) or p() and (or) the name specified cannot be located in the pools.

Action

Specify the pool name in the correct format and verify that the name used is the name of the pool as defined.

EMCCR5AE

```
Cannot activate SRDF/A on RDF group srdfgrp (reason-code)
```

Cause

An #SC SRDFA ACT command was entered. The activation cannot be performed. One or more of the following messages will indicate the reason.

The reason code identifies the condition that cause the command to fail as follows:

- 1 - A device on the primary side of the SRDF group on which SRDF/A was to be activated is already in an active SRDF/A session on another mirror. A device may participate in only one SRDF/A session at a time.
- 2 - While validating a device on the primary side of the SRDF group on which SRDF/A was to be activated, it was determined that the remote partner of the device is cascaded. A cascaded device may not be on the secondary side of an SRDF/A session.
- 4 - A device on the secondary side of the SRDF group on which SRDF/A was to be activated is already in an active SRDF/A session on another mirror. A device may participate in only one SRDF/A session at a time.

Action

If the reason code has not provided sufficient information to identify the problem and suggest a course of action, examine the following message to determine the reason.

EMCCR5BE

```
SRDF/A is already active on RDF group srdfgrp
```

Cause

A request to activate SRDF/A on an RDF group failed because one or more devices that would participate in the requested SRDF/A session are already active in another SRDF/A session. A device can participate in only one SRDF/A session at a time.

The device causing the failure can be a cascaded device on the remote side of the SRDF group.

Action

Examine the active SRDF/A session to determine whether it should be deactivated. If so, deactivate it and submit the activate command again.

EMCCR5DE

```
Cannot set tolerance off, not all SRDF/A device pairs are ready on the link
```

Cause

A request was made to set the tolerance attribute of an SRDF/A session off. However, at least one device in the SRDF/A group is in state TNR. Setting tolerance off would cause the SRDF/A session to immediately drop, so SRDF Host Component will not allow this action.

Action

Ensure that all devices in the SRDF/A group are ready on the link; for example, by issuing appropriate #SC VOL RDF_RSUM commands. Then reissue the #SC SRDFA TOL_OFF command.

EMCCR5EE

```
SRDF/A activate denied, secondary devices diskless
```

Cause

An activate action has been requested for an SRDF/A group whose secondary side includes diskless R21 devices. However, SRDF/A may not be activated in this situation, so the request has been denied.

Action

Do not attempt to activate SRDF/A in such a configuration. If appropriate, eliminate the cascaded leg of the diskless devices and reissue the command.

EMCCR5FI

```
NOEXEC specified, operator verification bypassed
```

Cause

An #SC VOL command was issued, and the NOEXEC option was specified. Consequently, no device state changes will take place, so operator verification is not needed. Instead, this message is issued to indicate that if the NOEXEC option had not been specified then operator verification would have been required.

Action

None.

EMCCR60E

```
DYNAMIC GROUP ACTION SYSCALL xxxx FAILED CODE=yyyyyy
```

Cause

The request to the storage system to obtain or alter dynamic group information failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCCR61E

```
DYNAMIC GROUP REQUEST ERROR: text
```

Cause

One of the following dynamic SRDF group request errors occurred:

- `DEFAULT LABEL NOT ALLOWED` - The dynamic group request was not attempted because the request specified that a group with a label of `RDFDVGROUP` was to be added. However this is a reserved group name, and cannot be assigned to a dynamic group. Choose another group name and reissue the command.
- `ENGINUITY LEVEL TOO LOW` - A dynamic SRDF group action was requested but the operating environment level was too low to support dynamic SRDF. Contact Dell EMC Customer Support to upgrade your operating environment level.
- `GROUP IS STATIC` - A dynamic SRDF group action was requested but the group specified in the command is a static group. Issue an `#SQ RDFGROUP` command to display which groups are static and which are dynamic.
- `GROUP NOT DEFINED` - The dynamic group request was not attempted because a modify or delete action was indicated but the specified group does not exist. Correct the indicated error and reissue the command.
- `GROUP NOT VALID` - The dynamic group request was not attempted because a modify or delete action was indicated but the group of the other side was not able to be determined. The group information of other side may be removed or the link of the group may be down. Correct the indicated error and reissue the command.
- `ILLEGAL LCL GROUP #` - The dynamic group request was not attempted because an invalid local group number was specified. A group number must be a hex value in the range of 00 to the maximum allowed for the storage systems being affected. Correct the indicated error and reissue the command.
- `ILLEGAL RMT GROUP #` - The dynamic group request was not attempted because an invalid remote group number was specified. A group number must be a hex value in the range of 00 to the maximum allowed for the storage systems being affected. Correct the indicated error and reissue the command.
- `LCL DIRECTOR(S) AT MAX GRP (<list of directors>)` - A dynamic SRDF group action was requested but the action would cause the local directors listed to be assigned to more SRDF groups than the maximum number allowed. Remove the listed directors from other SRDF groups, or select other directors to be assigned to

this SRDF group.

- `LCL DIRECTOR(S) OFFLINE (<list of directors>)` - This message indicates that the dynamic group request was not attempted because the listed local directors are offline. Correct the indicated error and reissue the command.
- `LCL GROUP ALREADY DEFINED` - This message indicates that the dynamic group request was not attempted because an add action was indicated but the local group is already defined. Correct the indicated error and reissue the command.
- `LCL NON SWITCHED DIRECTORS (<list of directors>)` - This message indicates that the dynamic group request was not attempted because the listed local directors are not switched fibre. Correct the indicated error and reissue the command.
- `REMOVE ALL DIRS ON ONE SIDE` - The dynamic group request was not attempted because the request specified that all directors on either the remote or local storage system were to be removed. However, such a request is invalid because a group must have at least one director on each side. Correct the indicated error and reissue the command.
- `RMT DIRECTOR(S) AT MAX GRP (<list of directors>)` - A dynamic SRDF group action was requested but the action would cause the remote directors listed to be assigned to more SRDF groups than the maximum number allowed. Remove the listed directors from other SRDF groups, or select other directors to be added to this SRDF group.
- `RMT DIRECTOR(S) OFFLINE (<list of directors>)` - The dynamic group request was not attempted because the listed remote directors are offline. Correct the indicated error and reissue the command.
- `RMT GROUP ALREADY DEFINED` - This message indicates that the dynamic group request was not attempted because an add action was indicated but the remote group is already defined. Correct the indicated error and reissue the command.
- `RMT NON SWITCHED DIRECTORS (<list of directors>)` - The dynamic group request was not attempted because the listed remote directors are not switched fibre. Correct the indicated error and reissue the command.
- `RMT SERIAL MATCHES LCL SERIAL` - A dynamic SRDF group action was requested but the RSER value specified is the same as the serial number for the local storage system. Reissue the command specifying the RSER value for the remote storage system.

Action

See the actions listed above for each error text string.

EMCCR62E

DYNAMIC GROUP LICENSE ERROR

Cause

A dynamic SRDF group request was entered, but the required License Feature Code was not found.

Action

To obtain license keys, contact the Dell EMC Customer Support Center.

EMCCR63E

```
DYNAMIC GROUP {ADD|MODIFY|DELETE} FAILED FROM {LCL|RMT} SIDE: text
```

Cause

LCL identifies the local storage system; RMT identifies the remote storage system. *text* displays the corresponding error text string listed below with the causes and actions for each:

- `ALL GROUPS USED` - A dynamic SRDF group ADD action failed because all group numbers are in use. Issue an `#SQ RDFGRP, cuu, ALL` command to display the groups in use. Delete an empty group and try the command again.
- `COMMAND TIMEOUT` - A dynamic SRDF group action was requested, but the action did not complete within the expected time. Issue an `#SQ RDFGRP` command with the `ALL` or `RA(srdfgrp)` option. If the desired directors do not appear, then try the command again.
- `CONFLICTING CONFIG FLAGS` - A dynamic SRDF group action failed because SRDF Host Component passed invalid group parameters to the storage system. Check the command specification and try the command again.
- `CONNECTION REJECTED` - The dynamic group request was attempted, but failed. The connection request between the local and remote storage systems was rejected. Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.
- `CONNECTION TIMEOUT` - The dynamic group request was attempted, but failed. The connection request between the local and remote storage systems timed out. Verify that the group numbers and serial number are correct as well as the directors specified are active. Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for assistance. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.
- `DEFAULT LABEL NOT ALLOWED` - A dynamic SRDF group action failed because `LABEL(RDFDVGROUP)`, which is the default label for static groups, was specified. This label is not allowed for dynamic SRDF groups. Select another label and reenter the command.
- `DEL NOT ON TWO SIDES` - A dynamic SRDF group action failed because SRDF Host Component attempted to delete the group information on only one side. This is not supported. Check the command specification and try the command again.
- `DYN GRP ALREADY IN PROGRESS` - The dynamic group request was attempted, but failed. Dynamic SRDF operations are already running. Only one dynamic SRDF operation can be active on a storage system at a time.
- Wait a while and then try the request again.
- `DYNAMIC GROUP TABLES CORRUPTED` - The dynamic group request was

attempted, but failed. The internal tables in the storage system have been corrupted. Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

- `DYNAMIC REQUEST CANCELED` - The dynamic group request was attempted, but failed. Due to other actions on the storage system, the dynamic group request was canceled. Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for assistance. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.
- `ENGINUITY ERROR` - The dynamic group request was attempted, but failed. An internal operating environment error occurred. Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.
- `FAILED TO UPDATE DBE` - An internal operating environment error occurred. Collect diagnostic information and report this error to Dell EMC Support personnel.
- `FLAGS CONFLICT WITH DIR TYPE` - A dynamic SRDF group action failed because SRDF Host Component passed invalid group parameters to the storage system. Check the command specification and try the command again.
- `GIGE ANCHOR NOT IN IP TABLE` - A dynamic SRDF group action failed because the GigE directors are not accessible through the network. Check the network connecting the GigE directors. Check the command specification and try the command again.
- `GIGE ANCHOR NOT SPECIFIED` - A dynamic SRDF group action failed because SRDF Host Component failed to pass a GigE anchor director number to the storage system. Check the command specification and try the command again.
- `GIGE DIR NOT IN IP TABLE` - A dynamic SRDF group action failed because the GigE directors are not accessible through the network. Check the network connecting the GigE directors. Check the command specification and try the command again.
- `GROUP IS STATIC` - The dynamic group request was attempted, but failed. For a modify or delete request, the group specified is not a dynamic group. Select a dynamic group for the operation.
- `GROUP NOT EMPTY` - A dynamic SRDF group delete was requested, but the group is not empty. All SRDF pairs in the group must be deleted before the group can be deleted.
- `ILLEGAL CONFIG FLAGS` - A dynamic SRDF group action failed because SRDF Host Component passed invalid group parameters to the storage system. Check the command specification and try the command again.

- `ILLEGAL LINK TIMEOUT VALUE` - A dynamic SRDF group action failed because SRDF Host Component passed invalid group parameters to the storage system. Check the command specification and try the command again.
- `ILLEGAL LOCAL GROUP` - A dynamic SRDF group action failed because SRDF Host Component passed a bad local group number to the storage system. Check the local group specification and try the command again.
- `ILLEGAL LOCAL GRP PARMS` - A dynamic SRDF group action failed because SRDF Host Component passed invalid group parameters to the storage system. Check the command specification and try the command again.
- `ILLEGAL REMOTE GROUP` - A dynamic SRDF group action failed. The remote storage system rejected the command because SRDF Host Component passed a bad remote group number. Verify that the specified group number meets the criteria for the operating environment levels in use on the storage systems.
- `ILLEGAL REMOTE GRP PARMS` - A dynamic SRDF group action failed because SRDF Host Component passed invalid group parameters to the storage system. Check the command specification and try the command again.
- `IML RUNNING` - The dynamic group request was attempted, but failed. IML is running.
- Wait a while and then try the request again.
- `INVALID GIGE ANCHOR` - A dynamic SRDF group action failed because SRDF Host Component passed an invalid GigE anchor director number to the storage system. Check the command specification and try the command again.
- `LABEL IN USE` - The dynamic group request was attempted, but failed. For an add request, the selected label is in use by another group. Labels for dynamic groups must be unique. Select another label name for the group.
- `LCL & RMT PARMS DON'T MATCH` - A dynamic SRDF group action failed because SRDF Host Component passed inconsistent local and remote group parameters to the storage system. Check the command specification and try the command again.
- `LCL MIXED DIRTYPE NOT ALLOWED` - This message indicates that the dynamic group request was attempted, but failed. The list of directors contains mixed director types. Select matching director types.
- `MISMATCHED GROUP PARMS` - A dynamic SRDF group action failed because SRDF Host Component passed bad group parameters to the storage system. Check the command specification and try the command again.
- `MODIFY NOT ON AFFECTED DIR` - A dynamic SRDF group action failed because SRDF Host Component attempted to run the action on a director that is not part of the group. Check the command specification and try the command again.
- `NO PORT` - During dynamic group operations, the operating environment tried to make a connection from local director and port to the remote director and port to send the request to the remote storage system. When checking for an online port on the local side, it could not find one defined in the SRDF group to send the request to the remote storage system. Issue the `#SQ RDFGRP,RA(srdfgrp)` command to determine what director and port combinations are defined. Issue the `#SQ VIEWRA`

command to determine what connections are available.

- `NON DYNRDF DIRECTORS` - A dynamic SRDF group action was requested, but the director list contains non-dynamic SRDF or non-SRDF directors. Correct the LDIR or RDIR specification and try the request again.
- `NON ONLINE DIRECTOR` - A dynamic SRDF group action was requested, but a director specified was not online. Use the `#SC LINK` command to put the director online and try the command again.
- `NON SWITCHED DIRECTOR` - A dynamic SRDF group action was requested, but a director specified was not switched. Reissue the command, specifying a switched director.
- `NOT SWITCHED DYNAMIC` - The dynamic group request was attempted, but failed. The storage system is not configured for switched and dynamic SRDF. Review the command parameter specification for correct values. If correct, contact your Dell EMC Customer Support Representative to review the storage system configuration.
- `PORT NOT CONFIGURED ON DIR` - An `#SC RDFGRP` command was issued with a director and port combination and the specified port is not configured on the director. Issue an `#SQ CNFG` command to find the valid director(port) combinations. Issue an `#SQ VIEWRA` command to find the director(port) combinations that have a valid path to the desired remote device. Re-enter the `#SC RDFGRP` command with the appropriate director(port) combinations.
- `RC=00000027` - The path you selected would cause a loopback condition. Loopback the command is issued through storage system A to storage system X and the action affects storage system A. This is not allowed for the action you are attempting. Review the hop list you used. If possible, issue the command using the LCL format or choose a different hop list that does not result in a loopback condition.
- `RC=000x00yy` - The dynamic group request was attempted, but failed. An error other than those listed above occurred. Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.
- `REMOTE BOX NOT FOUND` - The dynamic group request was attempted, but failed. The storage system identified by the `RSER` parameter was not found. There must be a link between the local and remote storage system for dynamic SRDF operations to be successful. Note that this message may indicate that the remote storage system is completely inaccessible, or it may mean that the remote storage system is inaccessible through the director(s) specified in the `#SC RDFGRP` command. SRDF Host Component does not have any way to determine which of these situations has caused the error. You may attempt to access the remote storage system through an existing SRDF group that does not use any of the same directors specified in the `#SC RDFGRP` command, or by issuing another `#SC RDFGRP` command specifying different directors. If the storage system is then accessible, the problem was with the directors specified in the original `#SC RDFGRP` command. However, if the

storage system is not accessible, the cause of the problem is still undetermined. Verify that you have selected the correct local and remote storage systems.

- `RMT BOX GRP MISMATCH` - A dynamic SRDF group action failed because the groups in the remote storage system were not what was expected. Check the command specification and try the command again.
- `RMT BOX OTHER SN MISMATCH` - The dynamic group request was attempted, but failed. The remote storage system/other storage system serial number does not match the serial number specified in the command. Review the command parameter specification for correct values. Use the `#SQ LINK Xtended(Y)` and the `#SQ CNFG,LCL` and `#SQ CNFG,RMT` commands to confirm the storage system serial numbers. If correct, contact your Dell EMC Customer Service representative to review the storage system configuration.
- `RMT BOX SN MISMATCH` - A dynamic SRDF group action failed because the serial number in the remote storage system was not what was expected. Check the command specification and try the command again.
- `STAR FLAG REQUIRED` - A dynamic SRDF group action failed because the group specified was a Star group and the STAR flag was not specified on the command. Validate that the correct group was specified and reenter the command with the STAR flag.

Action

See the actions listed above for each message text.

EMCCR64E

```
DYNAMIC ADD GROUP REQUEST FAILED FOR symmserial BECAUSE MAX  
GROUPS=max_groups REACHED
```

Cause

The maximum allowed number of SRDF groups has already been configured in the indicated storage system.

Action

If the maximum number of SRDF groups is defined, then the devices in the existing groups need to be consolidated and unused groups need to be deleted before defining this new group. Alternatively, devices intended for this new group can be defined in an existing group.

Contact your local Dell EMC service representative for assistance with reviewing your local and remote storage configuration details.

EMCCR65E

```
Command requires ucode level at least level
```

Cause

A command requiring that the operating environment level of the storage system(s) on which it will be executed be at least the level indicated in the message was issued. However, the storage system was at a lower operating environment level. A subsequent message will indicate the serial number of this storage system and its operating environment level.

Action

If the command was entered improperly, correct and submit the command again. If the

command was correct, however, find an alternative way to accomplish the goal of the entered command. If necessary, contact Dell EMC Technical Support.

EMCCR66E

```
Command requires ucode level less than level
```

Cause

A command requiring that the operating environment level of the storage system(s) on which it will be executed be at lower than the level indicated in the message was issued. However, the storage system was at a higher or equal operating environment level. A subsequent message will indicate the serial number of this storage system and its operating environment level.

Action

If the command was entered improperly, correct and submit the command again. If the command was correct, however, find an alternative way to accomplish the goal of the entered command. If necessary, contact Dell EMC Technical Support.

EMCCR67E

```
Command requires ucode level greater than level
```

Cause

A command requiring that the operating environment level of the storage system(s) on which it will be executed be higher than the level indicated in the message was issued. However, the storage system was at a lower or equal operating environment level. A subsequent message will indicate the serial number of this storage system and its operating environment level.

Action

If the command was entered improperly, correct and submit the command. If the command was correct, however, find an alternative way to accomplish the goal of the entered command. If necessary, contact Dell EMC Technical Support.

EMCCR68E

```
Command requires ucode level not greater than level
```

Cause

A command requiring that the operating environment level of the storage system(s) on which it will be executed be lower than or equal to the level indicated in the message was issued. However, the storage system was at a higher operating environment level. A subsequent message will indicate the serial number of this storage system and its operating environment level.

Action

If the command was entered improperly, correct and submit the command again. If the command was correct, however, find an alternative way to accomplish the goal of the entered command. If necessary, contact Dell EMC Technical Support.

EMCCR69E

```
Symmetrix symmserial is at ucode level level
```

Cause

A previous error message has indicated that a command failed because the operating environment level of a storage system was invalid for the command. This message indicates the storage system on which the condition was detected and its operating environment level.

Action

None.

EMCCR6AE

error-text

Cause

A dynamic SRDF API request has returned an error. The error text describes the problem that was detected. Following is a list of the internal error codes associated with the message text.

- 1 - Invalid multi-hop list specified
- 2 - Invalid SRDF group specified
- 3 - Dynamic SRDF not supported on local storage system
- 4 - Dynamic SRDF not supported on remote storage system
- 5 - Local device(s) invalid
- 6 - Remote device(s) invalid
- 7 - Local device not capable
- 8 - Remote device not capable
- 9 - Local device neither R1 nor R2
- 10 - Remote device neither R1 nor R2
- 11 - Local and remote devices both R1 or both R2
- 12 - Swap with different size devices
- 13 - Swap with local concurrent R1
- 14 - Swap with remote concurrent R1
- 15 - TF/SNAP lock on local device
- 16 - TF/SNAP lock on remote device
- 17 - Local device(s) in use by another process
- 18 - Remote device(s) in use by another process
- 19 - FBA meta discovery overflow
- 20 - FBA meta devs call failed
- 21 - Device count is zero
- 22 - Device status call failed
- 23 - SRDF pair is ready on the link
- 24 - Local device has invalid tracks, force not specified
- 25 - Remote device has invalid tracks, force not specified
- 26 - FBA meta local device CB invalid
- 27 - FBA meta remote device CB invalid
- 28 - FBA meta invalid run
- 29 - FBA meta members are different sizes
- 30 - FBA meta head not in run
- 31 - FBA meta mismatched members
- 32 - FBA meta stripe size mismatch
- 33 - FBA meta too many runs generated
- 34 - FBA meta CB is invalid
- 35 - FBA meta member has invalid tracks, force not specified
- 36 - Logic error
- 37 - R2 is already SRDF
- 38 - R1 is already SRDF and dynamic concurrent not supported
- 39 - R1 is already SRDF in specified group
- 40 - R1 is already concurrent SRDF
- 41 - Local device not capable of becoming specified type
- 42 - Remote device not capable of becoming specified type
- 43 - Mismatched emulation
- 44 - R2 cannot be larger than R1
- 45 - All mirror positions in use for local device
- 46 - All mirror positions in use for remote device
- 47 - Group not specified for concurrent device

- 48 - RDF-SUSPEND parameter error in run
- 49 - RDF-SUSPEND failed
- 50 - Remote serial# invalid
- 51 - Device range is too large
- 52 - Device number is invalid
- 53 - Action failed for device
- 54 - SRDF pair not suspended
- 55 - Bad SRDF group specified
- 56 - Device already SRDF
- 57 - SRDF polarity error
- 59 - Devices not dynamic
- 60 - Undo action failed
- 61 - Operating environment level too low
- 62 - DYNRDF internal error
- 63 - Concurrent SRDF devices found
- 64 - Farpoint not allowed
- 65 - Invalid flags requested
- 66 - Device held for TimeFinder SNAP
- 67 - Invalid multi-execute mask
- 68 - Split CE+DE not allowed
- 69 - PPRC copy direction not set
- 70 - Pair mismatch
- 71 - DRDF RAID_S not supported
- 72 - PPRC reestablish no R1
- 73 - PPRC R1 not TNR
- 74 - Vault device cannot be R2
- 75 - Config mismatch
- 76 - FBA meta mismatch
- 77 - Duplicate device specification
- 78 - Swap R2 is larger than R1
- 79 - SYMMPURGE active on device
- 80 - Cannot swap PPRC devices
- 81 - Device in consistency group
- 82 - Already concurrent SRDF
- 83 - SRDF mirror exists in group
- 84 - SRDF flags mismatch
- 85 - R2 already SRDF
- 86 - Already SRDF device
- 87 - Swap not allowed in SRDFA group
- 88 - Swap with write pendings
- 89 - Tolerance or CEXMPT not set
- 90 - SRDF/A mixed SRDF devices
- 91 - No PPRC with SRDF/A
- 92 - No concurrent SRDF/A mirrors
- 93 - SRDF/A activation lock held
- 94 - Device is XRC
- 95 - SRDF/A I/Os outstanding
- 96 - R2 restore not complete
- 97 - Cleanup running
- 98 - No concurrent DRDF on BCV
- 99 - SRDF/A state table locked
- 100 - DEV number too high for RA
- 101 - Group is Star mode
- 102 - CKD meta mirror mask conflict
- 103 - Inconsistent syscall run
- 104 - R21 device will result but ADCOPY_DISK not specified
- 105 - R21 device will result but Cascaded SRDF not licensed
- 106 - MOVEPAIR denied, SRDF/A active on target SRDF group

107 - Invalid failover
 108 - Invalid PPRC reestablish
 109 - Invalid PPRC failback
 110 - No PPRC failover/failback
 111 - BCV with three mirrors
 112 - SRDF/A multiple CPGs (cache partition groups)
 113 - Flags invalid for cascading
 114 - Cascading invalid with ESCON
 115 - No cascaded PPRC devices
 116 - Invalid cascaded R1 mode
 118 - R21 device not valid for ESCON
 119 - R21 device cannot be PPRC
 120 - R21 dev will result, not ADCOPY-DISK mode
 121 - R22 dev will result. R22 devices not supported
 122 - Device in pair already has remote mirror in pair
 123 - Action denied, target group not online
 124 - SRDF group not defined
 125 - Differential specified but group not Star recovery
 126 - Cannot ascertain SRDF/A group status
 127 - R21 device will result, not supported
 128 - R21 not allowed <5x73
 129 - R22 not allowed <5x74
 130 - R22 not allowed, different base R1 devices
 131 - Partner of R1 not cascaded
 132 - R1 and R2 on same storage system
 133 - No table memory
 134 - Unable to set environment 2 devices
 135 - Local device not R1 as required
 136 - Suspend failed during CASSUSP
 137 - Resume failed during CASRSUM
 138 - Local device not R2 as required
 165 - Unrecognized VID
 201 - Other process lock query failed
 202 - TF/SNAP lock query failed
 203 - TF/SNAP lock free failed
 299 - Syscall error
 300 - Invalid local device in range
 301 - Invalid remote device in range
 302 - Specified group does not match existing SRDF mirrors
 303 - Starting dev# for range is beyond CNTLUNIT boundary
 304 - Ending dev# for range is beyond CNTLUNIT boundary
 305 - Error checking device status
 306 - Device did not change to expected state
 307 - Existing SRDF mirror not TNR
 308 - Device range too high for configuration
 310 - Local device has active TimeFinder dataset snap
 311 - Remote device has active TimeFinder dataset snap
 312 - Number of SRDF groups exceeds maximum
 313 - Unable to determine remote group
 314 - CREATEPAIR with KEEPR2, R2 not TNR
 315 - Device in use by z/OS Migrator
 316 - Group not Star, NOCOPY init parameter not YES
 317 - Path invalid or link down
 318 - CREATEPAIR with R2 smaller than R1
 319 - No R11 identified as source for R22 (neither of allowed configurations)
 320 - Invalid topology for creating R22 (attempt via SWAP)
 321 - Device not blocked

- 322 - R22 mirror partners are mirrors on same R11
- 323 - CREATEPAIR, SWAP, DELETEDPAIR requested for a diskless device
- 324 - CASCRE requested with R1 or R2 diskless
- 325 - CREATEPAIR requested with R1 and R2 both diskless
- 326 - MOVEPAIR source or target group not defined
- 327 - MOVEPAIR remote SRDF groups on different storage systems
- 328 - MOVEPAIR local or remote storage system not 5x73 or later
- 329 - CREATEPAIR denied, SRDF/A active on specified SRDF group
- 330 - R22 device not validated, cannot be activated
- 331 - Inline error
- 332 - API caller error - return area too small
- 333 - CASxxxx Env1-Env2 R21 eligible devices mismatch
- 334 - R21 remote mirrors on same storage system
- 335 - MOVEPAIR source and target groups the same
- 336 - CASCRE device to be R21 has remote mirror
- 337 - CREATEPAIR, NOCOPY/DIFFERENTIAL mutually exclusive
- 338 - MOVEPAIR device has remote mirror in target group
- 339 - Attempt to mix diskless/non-diskless devices in SRDF/A
- 340 - Operator verification denied, required for action
- 341 - Remote storage system mismatch, SCF refresh required
- 342 - Cannot have two SRDF relationships between same devices
- 343 - R2 device is write-enabled
- 344 - No eligible devices found
- 345 - Half action not allowed on SRDF/A group
- 346 - CREATEPAIR invalid remote range break
- 347 - SRDF/A on multiple remote mirrors
- 348 - DELETEDPAIR attempted while SRDF/A cleanup running
- 349 - Group Star recovery but STAR option not specified
- 350 - All local mirrors have invalid tracks
- 351 - R1 invalid tracks on R2 remote partner
- 354 - Cache partition group mismatch
- 355 - Engenuity 5773 R22 support patch missing
- 356 - Device is a RAID10 member, skipped
- 358 - Local device skipped due to filter
- 362 - Attempt to pair thin and thick devices
- 363 - Attempt to pair unbound thin device
- 364 - Attempt to pair back-end thin device
- 365 - MOVEPAIR to SRDF/A group has wrong polarity
- 366 - CREATEPAIR into SRDF/A group has wrong polarity
- 367 - R22SWTCH but R22 blocked on both mirrors
- 368 - R22SWTCH(GRPNLY), R22 not blocked on mirror in specified SRDF group
- 369 - Attempt to pair FBA meta striped with FBA meta non-striped
- 371 - Operating environment levels of storage systems do not support SRDF pairs between them
- 372 - Operating environment levels of storage systems require a patch for SRDF pairs between them
- 373 - The operating environment level does not support half actions
- 375 - R2 device not ready, cannot be set R/W
- 376 - R2 partner blocked, has R1 invalids
- 999 - DRDAabend ESTAE recovery

Action

Attempt to determine the underlying condition that caused the error. If appropriate, correct the condition and submit the request again. If you are unable to do so, contact Dell EMC technical support, providing the message ID, the error text, the error code, and the request that produced the EMCCR6AE message.

EMCCR6AI

message-text

Cause

This message is issued when an operating environment error has occurred. The operating environment error is indicated in the message reported above EMCCR6AI in the message log. The text returned by this message describes the error condition in further detail. The message text TIMEOUT ON CONNECTION ATTEMPT indicates one of the following conditions:

- An #SC RDFGRP command was issued to remove the last director and port with a valid connection to the remote storage system.
To determine if the director and port combination being removed is the last one, issue the #SQ VIEWRA command with the PORT,E and REFRESH options.
- Network problems or busy conditions.

Action

Correct the error condition.

EMCCR70E

SRDF/A MS_ON COMMAND CANNOT RUN SINCE SRDF/A IS NOT ACTIVE

Cause

An SRDF/A MS_ON command was attempted but the prerequisite of SRDF/A being active is not true.

Action

Make SRDF/A active and issue the command again.

EMCCR71E

SRDF/A MS_ON COMMAND CANNOT RUN SINCE SRDF/A MSC IS ACTIVE

Cause

An SRDF/A MS_ON command was attempted but the SRDF/A session was already running in MSC.

Action

None.

EMCCR72E

SRDF/A MS_OFF COMMAND CANNOT RUN SINCE SRDF/A IS NOT ACTIVE

Cause

An SRDF/A MS_OFF command was attempted but the prerequisite of SRDF/A being active is not true.

Action

Make SRDF/A active and issue the command again.

EMCCR73E

SRDF/A MS_OFF COMMAND CANNOT RUN SINCE SRDF/A MSC IS ACTIVE

Cause

An SRDF/A MS_OFF command was attempted but the SRDF/A session was not running in MSC.

Action

None.

EMCCR74E

```
SRDF/A MS_OPEN_W COMMAND CANNOT RUN SINCE SRDF/A IS NOT ACTIVE
```

Cause

An SRDF/A MS_OPEN_W command was attempted but the prerequisite of SRDF/A being active is not true.

Action

Make SRDF/A active and issue the command again.

EMCCR75E

```
SRDF/A MS_OPEN_W COMMAND CANNOT RUN SINCE SRDF/A MSC IS ACTIVE
```

Cause

An SRDF/A MS_OPEN_W command was attempted but the SRDF/A session was not running in MSC.

Action

None.

EMCCR76E

```
SRDF/A MS_CLOSE_W COMMAND CANNOT RUN SINCE SRDF/A IS NOT ACTIVE
```

Cause

An SRDF/A MS_CLOSE_W command was attempted but the prerequisite of SRDF/A being active is not true.

Action

Make SRDF/A active and issue the command again.

EMCCR77E

```
SRDF/A MS_CLOSE_W COMMAND CANNOT RUN SINCE SRDF/A MSC IS ACTIVE
```

Cause

An SRDF/A MS_CLOSE_W command was attempted but the SRDF/A session was not running in MSC.

Action

None.

EMCCR78E

```
SRDF/A MS_CYCLE_SW COMMAND CANNOT RUN SINCE SRDF/A IS NOT ACTIVE
```

Cause

An SRDF/A MS_CYCLE_SW command was attempted but the prerequisite of SRDF/A being active is not true.

Action

Make SRDF/A active and issue the command again.

EMCCR79E

```
SRDF/A MS_CYCLE_SW COMMAND CANNOT RUN SINCE SRDF/A MSC IS ACTIVE
```

Cause

An SRDF/A MS_CYCLE_SW command was attempted but the SRDF/A session was not running in MSC.

Action

None.

EMCCR7AE

```
SRDF/A ACT denied, primary devices both diskless and non-diskless
```

Cause

An activate action has been requested for an SRDF/A group whose primary side includes both diskless and non-diskless devices. For SRDF/A to activate successfully, the primary side devices must be either all diskless or all non-diskless. The SRDF/A ACTIVATE request has been denied.

Action

Ensure all primary side devices are either all diskless or all non-diskless and reissue the command.

EMCCR7BE

```
text
```

Cause

This message is issued when an operating environment error has occurred. The operating environment error is indicated in the message reported above EMCCR7BE in the message log. The text returned by this message describes the operating environment error condition in further detail.

Action

Correct the error condition.

EMCCR7CE

```
SRDF/A is already active on RMT partner RDF group srdfgrp
```

Cause

A request to activate SRDF/A on a RMT partner SRDF group failed because one or more devices that would participate in the requested SRDF/A session are already active in another SRDF/A session. A device can participate in only one SRDF/A session at a time.

Action

Examine the active SRDF/A session to determine whether it should be deactivated. If so, deactivate it and submit the activate command again.

EMCCR80E

```
SRDF/A MS_DISCARD COMMAND CANNOT RUN SINCE CLEANUP IS NOT RUNNING
```

Cause

The SRDF/A MS_DISCARD command is only used when SRDF/A cleanup is running and Host Intervention Required is set on the secondary side.

Action

None.

EMCCR81E

SRDF/A MS_DISCARD COMMAND CANNOT RUN SINCE SRDF/A MSC IS ACTIVE

Cause

An SRDF/A MS_DISCARD command was attempted but the SRDF/A session was not running in MSC.

Action

None.

EMCCR82E

SRDF/A MS_COMMIT COMMAND CANNOT RUN SINCE CLEANUP IS NOT RUNNING

Cause

The SRDF/A MS_COMMIT command is only used when SRDF/A cleanup is running and Host Intervention Required is set on the secondary side.

Action

None.

EMCCR83E

SRDF/A MS_COMMIT COMMAND CANNOT RUN SINCE SRDF/A MSC IS ACTIVE

Cause

An SRDF/A MS_COMMIT command was attempted but the SRDF/A session was not running in MSC.

Action

None.

EMCCR84E

SRDF/A MS_COMMIT COMMAND CANNOT RUN SINCE HOST INTERVENTION IS NOT REQUIRED

Cause

An SRDF/A MS_COMMIT command was attempted but the SRDF/A session does not need host intervention.

Action

None.

EMCCR85E

SRDF/A MS_DISCARD COMMAND CANNOT RUN SINCE HOST INTERVENTION IS NOT REQUIRED

Cause

An SRDF/A MS_DISCARD command was attempted but the SRDF/A session does not need host intervention.

Action

None.

EMCCR86E

SPECIFIED VALUE NOT VALID AT THIS ENGINUITY LEVEL

Cause

The current command action assigns a value to a parameter associated with an SRDF

entity such as an SRDF group or SRDF/A session. However, valid values that may be assigned to this particular parameter are dependent upon the operating environment level of the storage system associated with the SRDF entity. In this case, the value specified is not valid for the operating environment level of the associated storage system.

Action

Determine the storage system associated with the SRDF entity affected by the current command and use the #SQ CNFG command to determine the operating environment level of the system. Then consult the description of the command action in the *SRDF Host Component for z/OS Product Guide* to determine the values that are valid for this operating environment level.

EMCCR90R

```
SET_HOST_THROTTLE FOR symmserial REPLY CONTINUE TO PROCEED OR  
CANCEL TO TERMINATE
```

Cause

An #SC SRDFA SET_HOST_THROTTLE command was attempted and the OPERATOR_VERIFY initialization parameter is on.

Action

Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCR91R

```
SET_CACHE_LIMIT FOR symmserial REPLY CONTINUE TO PROCEED OR CANCEL  
TO TERMINATE
```

Cause

An #SC SRDFA SET_CACHE_LIMIT command was attempted and the OPERATOR_VERIFY initialization parameter is on.

Action

Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCR92R

```
SET_MIN_CYCLE_TIME FOR symmetrix_serial# REPLY CONTINUE TO PROCEED  
OR CANCEL TO TERMINATE
```

Cause

An #SRDF/A SET_MIN_CYCLE_TIME command was attempted and the operator verify is on.

Action

Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCR93R

```
SET_DROP_PRIORITY FOR symmserial REPLY CONTINUE TO PROCEED OR  
CANCEL TO TERMINATE
```

Cause

An #SC SRDFA SET_DROP_PRIORITY command was attempted and the OPERATOR_VERIFY initialization parameter is on.

Action

Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCR94E

```
THIS COMMAND NOT SUPPORTED AT THIS ENGINUITY LEVEL
```

Cause

An SRDF/A command was issued to a storage system that does not have the minimum operating environment level 5x71 that is required.

Action

Upgrade the operating environment to the minimum required level 5x71 or do not use this command.

EMCCR95E

```
SRDFA command COMMAND CANNOT RUN SINCE SRDF/A MSC IS ACTIVE
```

Cause

The indicated command cannot be run while Multi-Session Consistency is running.

Action

Either take the SRDF/A SRDF group out of MSC to use the command or do not use the command.

EMCCR96I

```
SRDF/A CONS_DEACT IS A LONG RUNNING COMMAND - AND IS NOW PREPARING TO RUN
```

Cause

The #SC SRDFA CONS_DEACT command will take several SRDF/A cycles to complete. This message is issued to let you know in advance that it will take a long time to complete.

Action

None.

EMCCR97I

```
SRDF/A CONS_DEACT CANNOT BE RUN NOW TRY AGAIN LATER
```

Cause

The resources required to perform the consistent deactivation at this time are not available.

Action

Reissue the command.

EMCCR98E

```
SRDF/A CONS_DEACT FAILED
```

Cause

The #SC SRDFA CONS_DEACT command did not complete successfully. Although all efforts were made to predict that the required internal resources were available to complete the function, they were not available at the time they were needed.

Action

Try the command again at a time when the load on the storage system is lower.

EMCCR99E

```
SRDF/A CONS_DEACT COMMAND CANNOT RUN, SRDF/A IS NOT ACTIVE ON RDF  
GROUP srdfgrp
```

Cause

The consistent deactivation of SRDF/A requires that SRDF/A be active. However, SRDF/A was not active on the indicated SRDF group.

Action

If either the SRDF group number or the gatekeeper was specified incorrectly on the command, correct the erroneous parameter and submit the command again.

EMCCR9AE

```
SRDF/A COMMAND CANNOT RUN, SRDF/A IS NOT ACTIVE ON RDF GROUP  
srdfgrp
```

Cause

The SRDF/A command entered can be processed if SRDF/A is active. However, SRDF/A was found to be inactive on the indicated SRDF group.

Action

None

EMCCR9BE

```
SRDFA ACT COMMAND CANNOT RUN - ONLY ONE SRDF/A RDFGRP PER DEVICE
```

Cause

An #SC SRDFA ACT command was issue to a concurrent or cascaded R1 device where the other SRDF group on the R1 device is already SRDF/A Active.

Action

Remove the SRDF/A Active status from the other SRDF group on the concurrent or cascaded R1 before trying to make this SRDF group SRDF/A Active.

EMCCR9CE

```
SRDFA DEACT_TO_ADCOPY CMD CANNOT RUN, SRDF/A IS NOT ACTIVE FOR RDF  
GROUP srdfgrp
```

Cause

The #SC SRDFA DEACT_TO_ADCOPY command can only be processed when SRDF/A is active. However, SRDF/A was found to be inactive on the indicated SRDF group.

Action

Activate SRDF/A and then issue the SRDF/A command again. If either the SRDF group number or the gatekeeper was specified incorrectly on the command, correct the erroneous parameter and submit the command again.

EMCCR9DE

```
SRDFA DEACT_TO_ADCOPY_DISK CANNOT RUN SINCE SRDF/A IS NOT ACTIVE
```

Cause

The #SC SRDFA DEACT_TO_ADCOPY_DISK command requires that SRDF/A be active before the command can be run.

Action

Activate SRDF/A and then issue the SRDF/A command again.

EMCCR9FE

```
THIS COMMAND CANNOT RUN SINCE MSC IS ACTIVE
```

Cause

An #SC SRDFA command was issued that cannot be run while Multi-Session Consistency is running.

Action

Either take the SRDF/A RDF group out of MSC to use the command or do not use the command.

EMCCRA0E

```
SRDFA TRANSMIT_IDLE COMMAND CANNOT RUN - PATCH MISSING
```

Cause

An #SC SRDFA TRANSMIT_IDLE command has been issued to a storage system running Enginuity 5x71 that does not have the Enginuity patch (31801) required to support the feature.

Action

If you want to use this feature on Enginuity 5x71, get the Enginuity patch 31801.

EMCCRA1R

```
SET TRANSMIT_IDLE FOR symmserial REPLY CONTINUE TO PROCEED OR  
CANCEL TO TERMINATE
```

Cause

An #SC SRDFA TRANSMIT_IDLE command has been issued and OPERATOR_VERIFY requires action.

Action

Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCRA2R

```
SET FBA_POOL FOR symmserial REPLY CONTINUE TO PROCEED OR CANCEL TO  
TERMINATE
```

Cause

An #SC SRDFA_DSE FBA_POOL command has been issued and OPERATOR_VERIFY requires action.

Action

Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCRA3R

```
SET 3390_POOL FOR symmserial REPLY CONTINUE TO PROCEED OR CANCEL  
TO TERMINATE
```

Cause

An #SC SRDFA_DSE 3390_POOL command has been issued and OPERATOR_VERIFY requires action.

Action

Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCRA4R

```
SET 3380_POOL FOR symmserial REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE
```

Cause

An #SC SRDFA_DSE 3380_POOL command has been issued and OPERATOR_VERIFY requires action.

Action

Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCRA5R

```
SET A400_POOL FOR symmserial REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE
```

Cause

An #SC SRDFA_DSE A400_POOL command has been issued and OPERATOR_VERIFY requires action.

Action

Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCRA6R

```
SET THRESHOLD FOR symmserial REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE
```

Cause

An #SC SRDFA_DSE THRESHOLD command has been issued and OPERATOR_VERIFY requires action.

Action

Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCRA7R

```
SET ACT FOR symmserial REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE
```

Cause

An #SC SRDFA_DSE ACT command has been issued and OPERATOR_VERIFY requires action.

Action

Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCRA8R

```
SET DEACT FOR symmserial REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE
```

Cause

An #SC SRDFA_DSE DEACT command has been issued and OPERATOR_VERIFY requires action.

Action

Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCRA9R

```
SET AUTO_ACT FOR symmserial REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE
```

Cause

An #SC SRDFA_DSE AUTO_ACT command has been issued and OPERATOR_VERIFY requires action.

Action

Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCRAAI

```
SRDF/A R1 devices are cascaded, forced to 'DEACT_TO_ADCOPY_DISK'
```

Cause

A PEND_DEACT or DEACT_TO_ADCOPY action was requested for an SRDF/A session whose underlying primary devices are cascaded devices (R21s). Since the only deactivation option for such an SRDF/A session is DEACT_TO_ADCOPY_DISK, the command has been appropriately modified.

Action

None.

EMCCRABE

```
SRDF/A CONS_DEACT not supported for SRDF/A on cascaded RDF groups
```

Cause

An #SC SRDFA CONS_DEACT action was requested for an SRDF/A session whose underlying primary devices are cascaded devices (R21s). However, the CONS_DEACT action is invalid in this situation. The command is terminated.

Action

Request deactivation of this SRDF/A session by means of the PEND_DEACT action.

EMCCRADI

```
SRDF/A R1 devices are cascaded diskless, forced to 'DEACT_TO_ADCOPY'
```

Cause

In a command to deactivate an SRDF/A session, a PEND_DEACT or DEACT_TO_ADCOPY_DISK action was specified. However, the SRDF group on which the SRDF/A session is active is cascaded and the primary devices are diskless, requiring the pairs to revert to adaptive copy write pending synchronization. The action has been changed accordingly.

Action

None.

EMCCRB0E

```
POOL poolname IS NOT THE CORRECT EMULATION TYPE FOR POOL  
TYPE {FBA|3390|3380|A400}
```

Cause

An #SC SRDFA_DSE FBA_POOL, 3390_POOL, 3380_POOL, or A400_POOL command has been issued where the pool name is not the appropriate emulation type.

Action

Verify the pool emulation type and assign it to the appropriate type.

EMCCRB1E

```
POOL poolname IS NOT A SRDF/A DELTA SET EXTENSION POOL
```

Cause

An #SC SRDFA_DSE FBA_POOL, 3390_POOL, 3380_POOL, or A400_POOL command has been issued but the pool is not a DSEPOOL.

Action

Verify the pool name that is being used is a DSEPOOL.

EMCCRB2E

```
POOL poolname IS NOT CURRENTLY AVAILABLE FOR SRDF/A DELTA SET EXT.
```

Cause

An #SC SRDFA_DSE FBA_POOL, 3390_POOL, 3380_POOL, or FBA_POOL command was issued but the pool is currently not available.

Action

The status of the pool prevents its use. Determine why it is not in the available state.

EMCCRB3E

```
FAILURE RETRIEVING POOLS - RC = rc
```

Cause

Either an #SC SRDFA_DSE or #SQ SRDFA_DSE command was issued that requires the retrieval of the pools. The attempt to retrieve the pools failed with the indicated return code.

Action

Ensure that the ResourcePak Base version level is appropriate to run the current version of SRDF Host Component.

EMCCRB4E

```
NOT ABLE TO LOCATE POOL = poolname
```

Cause

An #SC SRDFA_DSE FBA_POOL, 3390_POOL, 3380_POOL, or A400_POOL command has been issued attempting to assign the pool name, but the pool name does not exist in the system.

Action

Verify the pool name you are using.

EMCCRB5E

```
SRDFA_DSE COMMAND FAILED BECAUSE error-reason
```

Cause

Where *error-reason* is one of the following:

- `CACHE PARTITION IS ACTIVE` - An #SC SRDFA_DSE ACT command was issued but Dynamic Cache Partition (DCP) is running on the storage system. DSE is not allowed to run when DCP is active. If you want DSE on, disable cache partitioning in the storage system and submit the command again.
- `IT IS ALREADY ACTIVE` - An #SC SRDFA_DSE ACT command was issued for an SDRF group that already had SRDF DSE active. No action is required.
- `IT IS ALREADY NOT ACTIVE (phase)` - An #SC SRDFA_DSE DEACT command was issued for an SRDF group that already had SRDF DSE not activated. If *phase* is `V`, the error was detected during command validation. If *phase* is `A`, the error was detected during command execution. No action is required.
- `NO SPACE AVAILABLE` - An #SC SRDFA_DSE ACT command was issued but the storage system does not have space available for activation. Review your DSE pool and DSE volume specification and determine why no space is available.

Action

See the actions listed for the error reasons above.

EMCCRB6E

```
SRDFA action failed with syscall error error-code
```

Cause

An error has been encountered during syscall processing of an #SC SRDFA command. Although validation was completed prior to issuing the syscall, it is possible that a state change preventing the action took place following validation. The action fails and the SRDF/A state is unchanged.

Action

Contact the Dell EMC Customer Support Center to determine the meaning of the error code. If unable to resolve the problem, be prepared to supply hardware and software configuration and state information as directed by Dell EMC.

EMCCRB7E

```
SRDFA MSC action failed with syscall error error-code
```

Cause

An error has been encountered during syscall processing of an SRDF Host Component MSC command directed against one or more MSC-controlled SRDF/A sessions. Although validation was completed prior to issuing the syscall, it is possible that a state change preventing the action took place following validation. The action fails and the SRDF/A state is unchanged.

Action

Contact the Dell EMC Customer Support Center to determine the meaning of the error code. If unable to resolve the problem, be prepared to supply hardware and software configuration and state information as directed by Dell EMC.

EMCCRB8E

```
SRDF/A action failed, MSC cleanup required first
```

Cause

An #SC SRDFA command was issued. However, the action specified could not be performed because MSC cleanup is required. The command has consequently failed.

Action

Run the EHCMSME utility as described in the *SRDF Host Component for z/OS Product Guide*. When cleanup has successfully completed, you may reissue the command.

EMCCRBAE

```
feature is not licensed on CTRL symmserial
```

Cause

The indicated feature is not licensed on the specified storage system.

Action

Contact the Dell EMC Customer Support Center for information on licensing the indicated feature.

EMCCRC0E

```
ACCESS TO FEATURE CODE IS DENIED
```

Cause

You attempted to use a feature that is not licensed for the storage system whose serial number was specified in a previous message.

Action

Contact the Dell EMC Customer Support Center for information on licensing the indicated feature.

EMCCRC9E

```
CONTROLLER NOT FOUND
```

Cause

During feature registration checking against the storage system identified by the preceding EMCCBBAE message, it was found that this system was excluded from the ResourcePak Base configuration and therefore feature registration validation could not be performed.

Action

If the storage system associated with this message should be included in your configuration, make sure it is included in both your ResourcePak Base (SCF) and SRDF Host Component configuration.

EMCCRCAE

```
UNKNOWN FEATURE REG DENIAL RC = xx RSN = xx
```

Cause

The eLicensing entry for the feature you are trying to use is not active in the storage system or the system is unable to determine if it was active.

Possible reason (RSN) codes include:

50 - x32 - RC4: Feature table address is zero.

51 - x33 - RC4: Feature table is invalid.

52 - x34 - RC4: Bad eyecatcher in table.

53 - x35 - RC4: Offset points to wrong feature.

68 - x44 - RC8: Access to feature code is denied.

69 - x45 - RC4: License feature table not found or is not valid. This could indicate that

SCF has not completed initializing.

70 - x46 - RC4: Key interface service not eligible. This could indicate a non-Dell EMC storage system or the operating environment level is too low.

71 - x47 - RC4: Supplied feature is not known.

72 - x48 - RC4: Storage system serial number not found. This could indicate that SCF discovery has not yet completed.

73 - x49 - RC8: Access to feature is blocked.

74 - x4A - RC8: Dependency check failed. For CU processing a feature's dependent was disabled. You are missing an eLicensing entry.

87 - x57 - RC12: Feature name not supplied.

88 - x58 - RC12: Feature name too long.

89 - x59 - RC12: Feature name not recognized.

91 - x5B - RC12: Invalid KFI length.

92 - x5C - RC12: Invalid KFI version.

93 - x5D - RC12: Invalid KFI option.

94 - x5E - RC12: Invalid KFI eyecatcher.

95 - x5F - RC4 : SCF service is unavailable. SCF is not active.

96 - x60 - RC12: Storage system not found.

98 - x62 - RC4: Unable to obtain the storage chain lock. Feature authorization could not be determined.

99 - x63 - RC4: Key feature interface module not installed (SCF level too low).

For reason codes 50 through 53 and 87 through 94, you may be running against the wrong version of SCF.

Action

To obtain the necessary feature license, email licensekeys@emc.com. If SCF is not running, start it and try the action again.

EMCCRCBE

Controller is unknown to SCF.

Cause

This message may be issued during license validation. The storage system that SCF attempted to validate against was not known to SCF at the time of the validation attempt. This may be caused by incomplete discovery or temporary loss of connectivity to the storage system. If this is a temporary condition SCF may rediscover the storage system at its next refresh interval.

Internally SRDF Host Component has issued a DEV RESCAN request to SCF on the caller's behalf. If this was a temporary issue, it may clear up after SCF completes its discovery.

Action

Retry the command after the RESCAN completes. If it still fails, check your connections to the storage system having the issue.

EMCCRCCI

Temporary access allowed as license unavailable

Cause

During feature authorization checking, it was determined that SCF had not yet acquired the license information from the storage system. The decision was made to allow the command to proceed as if the feature were licensed.

Action

None.

EMCCRDOI

WRITE PACING ALREADY ACTIVE

Cause

An attempt was made to activate write pacing for the group when it was already active.

Action

None.

EMCCRD1I

WRITE PACING ALREADY INACTIVE

Cause

An attempt was made to deactivate write pacing for the group when it was already inactive.

Action

None.

EMCCRD2I

WRITE PACING STATISTICS ALREADY ACTIVE

Cause

An attempt was made to turn on write pacing statistics when they were already active for the group.

Action

None.

EMCCRD3I

WRITE PACING STATISTICS ALREADY INACTIVE

Cause

An attempt was made to turn off write pacing statistics when they were already inactive for the group.

Action

None.

EMCCRD5E

CURRENT CONFIGURATION DOES NOT SUPPORT WRITE PACING

Cause

An attempt to activate write pacing has failed. Possible reasons are:

- Write pacing is turned off by default for this level of the operating environment.
Contact Dell EMC Customer Support.
- The R2 side is not at the required level of the operating environment (5874 or later).
- You are attempting to activate write pacing on a group that includes R21 (cascaded) devices.

Action

Determine the cause of the failure and if the solution is easily discernible, correct the issue. If you cannot determine and correct the problem, contact Dell EMC Customer Support. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCCRE0E

```
UNKNOWN WRITE PACING SYSCALL ERROR
```

Cause

An unknown write pacing syscall error occurred.

Action

Another message will follow this giving additional syscall error details. Contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCCRF0I

```
Unable to validate add complete on the remote side
```

Cause

The maximum wait time for the add group action to complete has been exceeded. The action may still be running on the remote storage system.

Action

Wait a little longer and then display the new groups on both the local and the remote storage systems to see if the add completed successfully. If after a long time it has not completed, there may be an issue with one or more of the directors in the remote system. If this was the first group to be defined between these two systems, the operating environment releases may be incompatible.

EMCCRF1E

```
EHCDEVTR ERROR:  
error_reason
```

Cause

The indicated error occurred during device discovery.

Action

Correct the error based on the reason text.

EMCCRF5E

```
HW compression is not available on the directors  
dir1#(port1#) dir2#(port2#) ... dir_n#(port_n#)
```

Cause

An #SC SRDF_CMPR ACT(ALL) or #SC SRDF_CMPR ACT(HW) command was issued to an SRDF group that included directors on which HW compression was not available.

Action

Ensure that all directors in the SRDF group support HW compression.

EMCCRF6W

```
Minor release of box symm-serial 5xxx_yyyy too low for N-X  
relationship
```

Cause

An attempt was made to add a group between two systems and the system at the lower operating environment level is at a minor level that is too low. The group was created.

Action

Check that the correct systems were selected. Select another pair of systems or upgrade the operating environment to supported levels.

EMCCRF7W

```
Box symm-serial xxxx_yyyy requires patches
```

Cause

An attempt was made to add a group between two systems and the system at the lower operating environment level requires patches that have not been applied. This message will be followed by a list of required patches. The group was created.

Action

Check that the correct systems were selected. Select another pair of systems or upgrade the operating environment to supported levels.

EMCCRF8W

```
Was not able to validate config on remote box
```

Cause

An attempt to add a group between two systems and an attempt to verify that required patches are applied failed.

Action

Contact Dell EMC Technical Support for assistance. The group was created.

EMCCRF9W

```
N-X relationship not allowed for nnnn - nnnn
```

Cause

An attempt was made to add a group between two systems that are at different major operating environment levels and this particular combination is not supported. The group was created.

Action

Check that the correct systems were selected. Select another pair of systems or upgrade the operating environment to supported levels.

EMCCT00E

```
COMMAND SUBTASK ESTAE ROUTINE ENTERED
```

Cause

An abend occurred in the command subtask. The command is aborted.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCCV0AE

```
Command aborted, ALL specified and some devs failed validation
```

Cause

A command was specified with the ALL option. Some of the devices selected failed one or more validation tests.

Action

Review the preceding messages and correct the condition that caused the devices to fail validation.

EMCCV0FE

```
{GETMAIN|FREEMAIN} error encountered - SC VOL action could not be processed.
```

Cause

A GETMAIN or FREEMAIN error occurred during #SC VOL processing. Detailed diagnostic information is written to the SCF trace dataset. The #SC VOL command is aborted.

Action

Contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available. Give them the full text of the message including the message ID, and get instructions for FTP'ing the SCF trace dataset to the Dell EMC support site.

EMCCV11E

```
DEVICE symdv# IS A CONCURRENT RDF DEVICE - AN RDF GROUP MUST BE SPECIFIED
```

Cause

An #SC VOL command was issued to a concurrent device indicated by *symdv#*, which may be an R1 or an R21 device. However either the LCL(*gatekeeper, srdfgrp*) or RMT(*gatekeeper, hoplist [, srdfgrp]*) may not have been specified for the following command actions: ADCOPY, ADCOPY_DISK, NADCOPY, RDF_SUSP, RDF_RSUM, VALIDATE, INVALIDATE, REFRESH, and RFR_RSUM

Action

Reenter the command using the LCL(...) or RMT(...) format and include the SRDF group number.

EMCCV13E

```
RDF GROUP srdfgrp INVALID FOR DEVICE symdv#
```

Cause

An #SC VOL command was specified with the LCL(...) or RMT(...) format and the SRDF group number was not valid for the requested PowerMax or VMAX device.

Action

Reenter the command, specifying a valid SRDF group number.

EMCCV14E

```
DEVICE NUMBER OR RANGE NOT ALLOWED
```

Cause

An #SC VOL command was issued for a volume serial or group, and a PowerMax or VMAX device number or range was also provided.

Action

The request is aborted. Reissue the command with the correct syntax.

EMCCV15E

```
SCONFIG MULTIHOP COMMAND REQUIRES 5X67 OR HIGHER
```

Cause

An #SC VOL,RMT(*cuu,hoplist*) command was issued in which *hoplist* is a hop list whose path traverses a storage system with an operating environment level earlier than 5x67.

Action

Modify the hop list to include storage systems with operating environment level 5x67 or later.

EMCCV16E

```
MULTIHOP CONTROL UNIT NOT FOUND
```

Cause

An internal error occurred in the code. A pointer that should point at the end hop of a multihop command has not been found.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

EMCCV17I

```
DEVICE IS NOT AN R2, R/W IS INVALID FOR THIS DEVICE
```

Cause

An #SC VOL,*cuu,R/W,symdv#* command was issued to change the state of the device to R/W, but the device is not an R2 device.

Action

Issue an #SQ VOL command to ensure the device is not an R2 device. If it is, contact the Dell EMC Customer Support Center.

EMCCV18I

```
DEVICE IS NOT AN R2, R/O IS INVALID FOR THIS DEVICE
```

Cause

An #SC VOL,*cuu,R/O,symdv#* command was issued to change the state of the device to R/O, but the device is not an R2 device.

Action

Issue an #SQ VOL command to ensure the device is not an R2 device. If it is, contact the Dell EMC Customer Support Center.

EMCCV19I

```
DEVICE IS NOT AN R2, RDY IS INVALID FOR THIS DEVICE
```

Cause

An #SC VOL,*cuu,RDY,symdv#* command was issued to change the state of the device to READY, but the device is not an R2 device.

Action

Issue an #SQ VOL command to ensure the device is not an R2 device. If it is, contact the Dell EMC Customer Support Center.

EMCCV1AE

DEVICES BYPASSED - OTHER PROCESS HAS DEVICE LOCK

Cause

Device level lock 9 is already owned. The owner is probably another SRDF Host Component task or a TimeFinder user.

Action

After device level lock 9 is released by its owner, reissue the command.

EMCCV1BE

DEVICES BYPASSED - OTHER PROCESS HAS DEVICE LOCK

Cause

Device level lock 15 is already owned. The owner is probably another SRDF Host Component task.

Action

After device level lock 15 is released by its owner, reissue the command.

EMCCV1CE

NO DEVICES LEFT - OTHER PROCESS HAS DEVICE LOCK

Cause

After removing devices with device level locks already owned, there are no devices left to perform the command on.

Action

Wait until other users of these devices are finished and reissue the command.

EMCCV1DI

{PROCESSING|VERIFYING} RANGE COMMAND FOR DEVICE *syndv#* FOR *nn*
DEVICES

Cause

This message indicates the starting PowerMax or VMAX device number (*syndv#*) and the number of consecutive devices (*count*) in the range.

- **PROCESSING** indicates an RNG action has been issued to the storage system.
- **VERIFYING** indicates that an #SC VOL, RNG_REFRESH command is checking for completion of the Refresh action for the specified range of devices.

Action

None.

EMCCV1EE

COMMAND MUST USE LCL OR RMT

Cause

An #SC VOL RNG_REFRESH command was issued and the command was not in the format #SC VOL,LCL(*cuu,srdfgrp*) or #SC VOL,RMT(*cuu,hoplist,srdfgrp*). This command requires the command to operate on only one SRDF group.

Action

Use one of the above formats so the command goes to only one SRDF group.

EMCCV1FE

RNG-RSUM INCOMPLETE FOR DEVICES :

Cause

A range (RNG) command has been issued and the devices indicated have not completed.

Action

Review the devices and determine why the command did not complete.

EMCCV20E

DEVICES MUST BE SUSPENDED

Cause

An #SC VOL command with a Dynamic SRDF action code (SWAP | CREATEPAIR | DELETEPAIR) was issued, but one or more SRDF pairs were not in an RDF_SUSPEND (TNR) state. This message is followed by a list of PowerMax or VMAX device numbers for which the message applies. If force was specified, processing proceeds, but the listed devices are excluded.

Action

Issue an #SC VOL command with the RDF_SUSP action code, and then try the request again.

EMCCV21E

SWAP NOT ALLOWED, CASCADED DEVICES REQUIRE 5x73 OR LATER

Cause

An #SC VOL command requesting a dynamic SRDF swap request cannot take place for one or more device pairs because, for these pairs, the R1 device in the pair has two remote R2 mirrors. This swap would result in the creation of a cascaded SRDF (R21) device. However, the storage system on which the R1 device resides is not at Enginuity 5x73, and therefore cannot become a cascaded device. This message appears once, and is followed by a list of the local devices for which the swap action was requested but could not be processed.

Action

None.

EMCCV22E

DEVICES IN CONGROUP NOT ALLOWED FOR DYNAMIC RDF

Cause

An #SC VOL command with a Dynamic SRDF action code (SWAP | CREATEPAIR | DELETEPAIR) was issued, but one or more devices were in a consistency group. This message is followed by a list of PowerMax or VMAX device numbers for which the message applies. If force was specified, processing proceeds, but the listed devices are excluded.

Action

Dynamic SRDF actions are not allowed for concurrent SRDF devices in a consistency group.

EMCCV23I

DEVICE IS NOT AN R1, DOMINO IS INVALID FOR THIS DEVICE

Cause

An #SC VOL,*cuu*,DOMINO,*syndv#* command was issued to change the attribute of the device to DOMINO.

Action

Issue an #SQ VOL command to ensure the device is not an R1 device. If it is, contact the Dell EMC Customer Support Center.

EMCCV24I

DEVICE IN NOT AN R1, NDOMINO IS INVALID FOR THIS DEVICE

Cause

An #SC VOL,*cuu*,*NDOMINO*,*symdv*# command was issued to change the attribute of the device to non-DOMINO.

Action

Issue an #SQ VOL command to ensure the device is not an R1 device. If it is, contact the Dell EMC Customer Support Center.

EMCCV25I

NO ELIGIBLE DEVICES FOUND, COMMAND ABORTED

Cause

An #SC VOL,*cuu*,*action* command was issued, and no devices were found in an eligible status. The command is aborted.

Action

Check that there are devices of the appropriate type for the specified action on the storage system. Check the log and see if any other messages accompanied this one. If the problem persists, contact the Dell EMC Customer Support Center for assistance.

EMCCV26I

NO R2 DEVICES FOUND, COMMAND NOT ISSUED

Cause

An #SC VOL command with a certain action was issued to a range of devices, and the system cannot find any R2 device.

Action

None.

EMCCV27I

DEVICE IS NOT AN R1 OR R2, RDF-RDY IS INVALID FOR THIS DEVICE

Cause

An #SC VOL,*cuu*,*RDF_RDY*,*symdv*# command was issued to make R1 and R2 as RDF-READY, but the device is not an R1 or R2.

Action

Issue an #SQ VOL command to ensure that the device is not an R1 or R2 device. If it is, contact the Dell EMC Customer Support Center.

EMCCV28I

DEVICE IS NOT AN R1 OR R2, RDF-NRDY IS INVALID FOR THIS DEVICE

Cause

An #SC VOL,*cuu*,*RDF_NRDY*,*symdv*# command was issued to make R1 and R2 as RDF-NOT-READY, but the device is not an R1 or R2.

Action

Issue an #SQ VOL command to ensure that the device is not an R1 or R2 device. If it is, contact the Dell EMC Customer Support Center.

EMCCV29I

```
DEVICE IS NOT AN R1, ADCOPY IS INVALID FOR THIS DEVICE
```

Cause

An #SC VOL,*cuu*,ADCOPY,*syndv*# command was issued to enable adaptive copy function for the device, but the device is not an R1.

Action

Issue an #SQ VOL command to ensure that the device is not an R1 device. If it is, contact the Dell EMC Customer Support Center.

EMCCV30I

```
DEVICE IS NOT AN R1, NADCOPY IS INVALID FOR THIS DEVICE
```

Cause

An #SC VOL,*cuu*,NADCOPY,*syndv*# command was issued to disable adaptive copy function for the device, but the device is not an R1 device.

Action

Issue an #SQ VOL command to ensure that the device is not an R1 device. If it is, contact the Dell EMC Customer Support Center.

EMCCV31I

```
DEVICE IS NOT AN R1, RDF-SUSP IS INVALID FOR THIS DEVICE
```

Cause

An #SC VOL command was issued with action RDF_SUSP (SUSP_CGRP) to suspend the SRDF pair for the device, but the device is not an R1 device.

Action

Issue an #SQ VOL command to ensure that the device is not an R1 device. If it is, contact the Dell EMC Customer Support Center.

EMCCV32I

```
DEVICE IS NOT AN R1, RDF-RSUM IS INVALID FOR THIS DEVICE
```

Cause

An #SC VOL,*cuu*,RDF_RSUM,*syndv*# command was issued to resume SRDF pair for the device, but the device is an R1.

Action

Issue an #SQ VOL command to ensure that the device is not an R1 device. If it is, contact the Dell EMC Customer Support Center.

EMCCV39R

```
VERIFY DYNAMIC RDF REQUEST, REPLY CONTINUE TO PROCEED OR CANCEL TO  
TERMINATE
```

Cause

An #SC VOL command with a dynamic SRDF action code (CREATEPAIR, SWAP, HSWAP, DELETEPAIR, or HDELETEPAIR) was issued, and operator verification is in effect.

Action

Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCV3AE

LOCAL DEVICES BYPASSED BECAUSE ACTIVE LDMF

Cause

An #SC VOL command specifying a dynamic SRDF action was entered. However, one or more local devices within the scope of the action are currently in use by z/OS Migrator. The action cannot be processed for such devices, due to the possibility of data corruption, so they are bypassed. The devices bypassed are listed below the message.

Action

Wait for the z/OS Migrator process to complete and reissue the command.

EMCCV3BE

REMOTE DEVICES BYPASSED BECAUSE ACTIVE LDMF

Cause

An #SC VOL command specifying a dynamic SRDF action was entered. However, one or more remote devices within the scope of the action are currently in use by z/OS Migrator. The action cannot be processed for such devices, due to the possibility of data corruption, so they are bypassed. The devices bypassed are listed below the message.

Action

Wait for the z/OS Migrator process to complete and reissue the command.

EMCCV3CE

LOCAL DEVICES ARE IN ACTIVE STAR GROUP

Cause

An #SC VOL command was entered with a dynamic SRDF action code and specifies local devices that are in an active SRDF/Star SRDF group. The message is accompanied by a list of local device numbers.

Action

Check the device numbers listed and verify that they are in an SRDF/Star SRDF group. If applicable for the action code as documented in the *SRDF Host Component for z/OS Product Guide*, reenter the #SC VOL command specifying the STAR flag.

EMCCV3DE

REMOTE DEVICES ARE IN ACTIVE STAR GROUP

Cause

An #SC VOL command was entered with a dynamic SRDF action code and specified remote devices that are in an active SRDF/Star SRDF group. The message is accompanied by a list of remote device numbers.

Action

Check the device numbers listed and verify that they are in an SRDF/Star SRDF group. If applicable for the action code as documented in the *SRDF Host Component for z/OS Product Guide*, reenter the #SC VOL command and specify the STAR flag.

EMCCV3EE

{REMOTE|LOCAL} GROUP IS IN STAR CONFIGURATION

Cause

An #SC VOL command was entered with a CREATEPAIR action code and the SRDF group on the indicated side is an active Star group.

Action

The request failed. Check that the correct SRDF group was specified.

EMCCV3FE

DIFFERENTIAL CREATEPAIR IN NON STAR RCVY GROUP

Cause

An #SC VOL command was entered with a CREATEPAIR action code and with the DIFFERENTIAL flag specified. The devices specified are not in a Star recovery group.

Action

Check the device numbers listed and verify that they are not in a Star recovery group. CREATEPAIR(Differential) is designed for use in SRDF/Star recovery procedures and is only allowed for devices in a Star group. Review the *SRDF Host Component for z/OS Product Guide* for more information.

EMCCV40I

DEVICE IS NOT AN {R1|R2} VALIDATE IS INVALID FOR THIS DEVICE

Cause

An #SC VOL,*cuu*,VALIDATE,*syndv*# command was issued to validate all tracks on the device, but the device is not the correct type for the current synchronization direction. When the synchronization direction is R1>R2, validation may only be requested for R2 devices. For R1<R2, validation may only be requested for R1 devices. The R1 or R2 value in the message should reflect the value entered for SYNCH_DIRECTION.

Action

Issue an #SQ VOL command to ensure that the device is the correct type for the current synchronization direction. If it is, contact the Dell EMC Customer Support Center.

EMCCV41I

DEVICE IS NOT AN [R1|R2] INVALIDATE IS INVALID FOR THIS DEVICE

Cause

An #SC VOL,*cuu*,INVALIDATE,*syndv*# command was issued with to invalidate all tracks on the device, but the device is not the correct type for the current synchronization direction. When the synchronization direction is R1>R2, invalidation may only be requested for R2 devices. For R1<R2, invalidation may only be requested for R1 devices.

Action

Issue an #SQ VOL command to ensure that the device is the correct type for the current synchronization direction. If it is, contact the Dell EMC Customer Support Center.

EMCCV42I

UNABLE TO MARK ALL TARGET VOLUME (R2) TRACKS INVALID WITHIN THE EXPECTED TIME FRAME

Cause

An #SC VOL,*cuu*,INVALIDATE,*syndv*# command was issued to invalidate all tracks on the R1 device, but the system was unable to complete the process within the expected time

frame.

Action

Use an #SQ VOL command to monitor progress, wait until invalid track count value reaches the total tracks for the volume(s), and continue following the invalid track recovery procedures, as described in the *SRDF Host Component for z/OS Product Guide*.

EMCCV43I

DEVICE IS NOT AN R2, NRDY IS INVALID FOR THIS DEVICE

Cause

An #SC VOL, *cuu*, NRDY, *symdv*# command was issued to change the state of the device as NOT-READY, but the system does not allow an NRDY (Not-Ready) action issued against a device that is not an R2.

Action

Issue an #SQ VOL command to ensure that the device is not an R2 device. If it is, contact the Dell EMC Customer Support Center.

EMCCV44I

DEVICE IS NOT AN R1, SYNC IS INVALID FOR THIS DEVICE

Cause

An #SC VOL, *cuu*, SYNC, *symdv*# command was issued, but the system does not allow a SYNC action on a non-R1 device.

Action

Issue an #SQ VOL command to ensure that the device is not an R2 device. If it is, contact the Dell EMC Customer Support Center.

EMCCV46I

DEVICE IS NOT AN R1, SEMI-SYNC IS INVALID FOR THIS DEVICE

Cause

An #SC VOL, *cuu*, SEMI-SYNC, *symdv*# command was issued, but the system does not allow a SEMI-SYNC action on a non-R1 device.

Action

Issue an #SQ VOL command to ensure that the device is not an R1 device. If it is, contact the Dell EMC Customer Support Center.

EMCCV47I

SWAP DEVICES WILL REQUIRE SYNCHRONIZATION PROCEDURES

Cause

An #SC VOL command with a SWAP action code was issued, and an R1 device indicates that there are invalid tracks on the R2. After the swap completes, the R2 indicates that there are invalid tracks on the R1. This message is followed by a list of PowerMax or VMAX device numbers for which the message applies.

Action

After the swap completes, see Recovery Procedure 2 in the *SRDF Host Component for z/OS Product Guide*.

EMCCV48I

```
{VALIDATING|INVALIDATING} ALL TRACKS ON DEVICE #dev#
```

Cause

An #SC VOL VALIDATE or INVALIDATE command was issued to a range of devices. This message is issued to each device being validated or invalidated.

Action

None.

EMCCV49E

```
DEVICE symdv# IS IN DOMINO MODE, RDF-SUSP IS INVALID FOR THIS  
DEVICE
```

Cause

An #SC VOL RDF_SUSP command was issued to a device that is currently in DOMINO mode.

Action

Issue an #SC VOL NDOMINO command and then reenter the command.

EMCCV4AE

```
HALF-SWAP LOCAL DEVICES IN NON STAR RDF GROUP
```

Cause

An #SC VOL command was entered with an HSWAP action code and specifies local devices that are not in a Star group. The message is accompanied by a list of local device numbers.

Action

Check the device numbers listed and verify that they are not in a Star group. The half swap action code is designed for use in SRDF/Star recovery procedures and is only allowed for devices in a Star group. See the *SRDF Host Component for z/OS Product Guide* for more information.

EMCCV4BE

```
HALF-SWAP REMOTE DEVICES IN NON STAR RDF GROUP
```

Cause

An #SC VOL command was entered with an HSWAP action code and specifies remote devices that are not in a Star group. The message is accompanied by a list of remote device numbers.

Action

Check the device numbers listed and verify that they are not in a Star group. The half swap action is designed for use in SRDF/Star recovery procedures and is only allowed for devices in a Star group. See the *SRDF Host Component for z/OS Product Guide* for more information.

EMCCV4CE

```
{LOCAL|REMOTE} DEVICE RANGE TOO HIGH FOR RDF CONFIGURATION
```

Cause

An #SC VOL command was entered with a CREATEPAIR action code and the device range on the indicated side extends beyond the maximum device number supported by the participating storage system on the other side. Note that the highest PowerMax or VMAX device number supported on both sides is the highest device number supported on the side with the lowest level of the operating environment.

For example, if you issue a CREATEPAIR for a group that has Enginuity 5671 on one side and Enginuity 5771 on the other side, the highest device number allowed on both sides is 3E7F (the 5671 maximum).

For information about the device number ranges supported at the various levels of the operating environment, see the product guide for your storage system.

Note that although SRDF Host Component accepts PowerMax or VMAX device numbers up to FFFFFFF, PowerMaxOS 5978 and HYPERMAX OS 5977 can accept only FFFFF devices.

Action

Enter the command with a valid PowerMax or VMAX device number range for the configuration.

EMCCV4DI

```
FBA DEVICES BYPASSED
```

Cause

An #SC VOL ONLINE or #SC VOL OFFLINE command was issued that included FBA devices. The FBA devices are filtered out and this message is issued to show which devices are not processed.

Action

None.

EMCCV4EI

```
-----HOST----- FINAL STATUS-----
```

Cause

An #SC VOL ONLINE or #SC VOL OFFLINE command was issued and has now completed on all hosts that are processing the request. The final status of the command on all impacted hosts is listed.

If one or more devices fails, the status will indicate the failure, but will not indicate which device failed. Final status values are as follows:

- ABEND - An ABEND occurred while processing this request.
- ACTIVE REQ TIMEOUT - The function timed out.
- COMPLETED - The request was completed. All of the storage system devices are in the final status requested.
- CONFIGURATION ERROR - CSC has found a problem with the internal tables in the ResourcePak Base address space versus the real configuration at this point in time.
- CSC LOST SYMMETRIX - The storage system cannot be located for the request.
- CSC NFND SYMMETRIX - The storage system cannot be located for the request.
- FAIL 1 OR MORE - One or more devices did not go to the requested state.
- HOST REQUEST LOST - The request for a specific host was lost.
- INCOMPLETE - The function was accepted, but did not complete.
- INVALID FUNCTION - The parameters invoking CSC are invalid.
- INVALID PARMS - The parameters invoking CSC are invalid.
- INVALID RUN COUNT - The parameters invoking CSC are invalid.
- NO DEVICES ADDRESSED - No devices were addressed for the request.
- NO HOST LOCATED - The host could not be found.
- NO LISTENER FOR FUNC - The ResourcePak Base address space does not support this function and will not process the request.

- PAGE PACK 1 OR MORE - One or more devices are paging packs and may not be taken offline.
- PEND OFF 1 OR MORE - One or more devices are pending offline.
- REQUEST CANCELLED - The request was cancelled.
- TIMEOUT - SERIALIZE - This usually indicates that another instance of ResourcePak Base on the same host was processing the same request so this instance of ResourcePak Base cannot process the request within the timeout period of five minutes.
- WAITING REQ TIMEOUT - The function timed out.

Action

If the command did not complete on all hosts according to this message, go to the host(s) that did not complete and examine the devices.

EMCCV4FI

```
-----ACTIVE HOSTS----- ----ACTIVE STATUS---
```

Cause

An #SC VOL ONLINE or #SC VOL OFFLINE command was issued and the command is still running. The status of the requests that are still running is listed. This message displays according to the VONOFF_STATUS_WAIT initialization parameter.

Action

None.

EMCCV50I

```
action device-range error-text [symmserial/failing-dev#]
```

Cause

A dynamic SRDF action (SWAP, CREATEPAIR, MOVEPAIR, HALFMOVE, DELETEPAIR, HALFSWAP, HALFDELETE) was attempted, but, the action failed for one or more devices.

The error texts are as follows:

- ACTION FAILED FOR DEVICE - One or more devices in the specified range failed to execute the requested action. Issue an #SQ VOL command to determine which devices completed. Try the command for the failed devices again and if it still fails, contact the Dell EMC Customer Support Center.
- ACTION NOT SUPPORTED - The storage system is not at a high enough operating environment level to support the requested action.
- ALREADY CONCURRENT RDF - The device already has two SRDF mirrors. It cannot have more than two SRDF mirrors.
- BAD RDF GROUP SPECIFIED - An invalid SRDF group was specified. Recheck the group and reenter the command with the correct group.
- CLEANUP RUNNING - You cannot delete the device while cleanup is running. Wait for cleanup to complete before reissuing the request.
- CONCURRENT RDF DEVS FOUND - Swap is not allowed to concurrent SRDF devices.
- CONFIG MISMATCH - Configuration comparisons between the two sides failed. Contact the Dell EMC Customer Support Center.

- `DEVICE ALREADY RDF` - One or more devices were already SRDF.
- `DEVICE HELD FOR TF SNAP` - One or more devices were the target of a TimeFinder Snap operation. Wait until TimeFinder Snap is complete or select another device.
- `DEVICE IN CGROUP` - Deletepair was requested for a device in a consistency group. Remove the device from the consistency group and try the operation again.
- `DEVICE IS XRC` - SRDF operations cannot be performed on an XRC device.
- `DEVICE NUMBER IS INVALID` - The device number is invalid. Check the device numbers specified in the `#SC VOL` command.
- `DEVICE RANGE IS TOO BIG` - The range is too large. Try breaking the swap up into multiple commands with fewer devices.
- `DEVICES NOT DYNAMIC` - The selected devices are not configured for dynamic SRDF. Contact the Dell EMC Customer Support Center.
- `DRDF RAID_S NOT SUPPORTED` - RAID-S devices are not valid for use with dynamic SRDF.
- `DUPLICATE DEVICE SPECIFICATION` - SRDF Host Component specified the same device more than once in the call to the storage system for SRDF operations. Contact the Dell EMC Customer Support Center.
- `DYNAMRDF ERROR 17xx` - An unrecognized error code was returned. Contact the Dell EMC Customer Support Center.
- `DYNRDF INTERNAL ERROR` - An error occurred during dynamic SRDF processing. Contact the Dell EMC Customer Support Center.
- `FARPOINT NOT ALLOWED` - Swap is not allowed in a FarPoint™ configuration.
- `FBA META MISMATCH` - All members of an FBA Meta must be specified in the same dynamic SRDF call.
- `I/O ERROR RC=xxxxx, RE=xxxxx` - When RC=0014 and RS=0051, the device specified in the SRDF Host Component command is not available to the host system. Check to see that the correct device number was specified and that the device is physically available. Enter a `D U MVS` operator command and ensure that the device status does not indicate BOX. Enter a `DEVSERV PATH MVS` operator command to ensure that there is at least one operational path to the device. For any other RC/RS combination, contact the Dell EMC Customer Support Center.
- `INVALID FLAGS REQUESTED` - Invalid flags were passed by SRDF Host Component to dynamic SRDF processing. Contact the Dell EMC Customer Support Center.
- `INVALID MULTI-EXECUTE MASK` - Invalid control information was passed by Host Component to dynamic SRDF processing. Contact the Dell EMC Customer Support Center.
- `LCL CP BNDRY W/SRDF/A ACTIVE` - A cache partitioning problem was detected. You cannot add a device from a different cache partition than the other devices in the SRDF/A group. Move the device into the same cache partition and then add the device to the SRDF/A group. Or, do not add the device to that SRDF/A group, but create a new group in that cache partition.
- `LOCK FAILED FOR DEVICE dev#` - The device is held by another operation. Wait for all processes to complete for the device or select another device.

- MICROCODE LEVEL TOO LOW - The operating environment level on the target storage system does not support the requested action.
- NO CONCURRENT DRDF ON BCV - Concurrent dynamic SRDF is not allowed on a BCV device.
- NO CONCURRENT SRDFA MIRRORS - In an SRDF/A configuration, only one mirror can be operating in SRDF/A mode.
- PAIR MISMATCH - The devices that SRDF Host Component specified as a pair are not actually a pair. Contact the Dell EMC Customer Support Center.
- R1 IS IN INVALID STATE - Check to see if the SRDF pair is in a suspended state.
- R1 OF R21 IN WRONG RDF MODE - A CREATEPAIR action has failed because the request requires creation of an R21 device. The R21 <-> R2 pair must be in ADCOPY-DISK mode. Either the R21 device is the secondary device of the pair to be created and the existing pair is not in ADCOPY-DISK mode, or the R21 device is the primary device of the pair to be created and the ADCOPY-DISK flag was not specified in the command. For the first possibility above, issue an SC VOL command with action ADCOPY to put the existing pair in ADCOPY-DISK mode and then reissue the command. For the second possibility, reissue the command specifying the ADCOPY-DISK flag.
- R2 ALREADY RDF - The requested operation would result in adding a second SRDF mirror to an existing R2 device. This operation is not supported.
- R2 IS IN INVALID STATE - Check to see if the SRDF pair is in a suspended state.
- R2 RESTORE NOT COMPLETE - A DELETEDPAIR request failed because an R2 restore was in progress. Wait for the R2 restore to complete and try the request again.
- RDF FLAGS MISMATCH - The SRDF flags passed by SRDF Host Component do not match those of the existing mirror. Contact the Dell EMC Customer Support Center.
- RDF MIRROR EXISTS IN GROUP - An attempt to add an SRDF mirror to a device that already has an SRDF mirror in the specified group. Select another group in which to add the device.
- RDF PAIR NOT SUSPENDED - Check to see if the SRDF pair is in a suspended state.
- RDF POLARITY ERROR - Either the R1 side is not an R1 device, or the R2 side is not an R2 device. This could happen if a half swap or half deletepair were issued previously. It may be necessary to use HDELETEDPAIR followed by CREATEPAIR to resolve this problem.
- REMOTE SERIAL# INVALID - The serial number of the remote storage system was incorrect. This indicates that SRDF Host Component was unable to determine the correct serial number of the remote storage system.
- RMT CP BNDRY W/SRDF/A ACTIVE - This message indicates a cache partitioning issue. You cannot add a device from a different cache partition than the other devices in the SRDF/A group. Move the device into the same cache partition and then add the device to the SRDF/A group. Or, do not add the device to that SRDF/A group, but create a new group in that cache partition.
- SAIMF ERROR RC=xxxx, RE=xxxx - When RC=0014 and RS=0051, the device specified in the SRDF Host Component command is not available to the host system. Check to see that the correct device number was specified and that the device is

physically available. Enter a D U MVS operator command and ensure that the device status does not indicate BOX. Enter a DEVSERV PATH MVS operator command to ensure that there is at least one operational path to the device. For any other RC and RS combination, contact the Dell EMC Customer Support Center.

- `SPLIT CE+DE NOT ALLOWED` - One or more devices are configured as split CE+DE devices. They are not allowed to be dynamic SRDF.
- `SRDFA ACTIVATION LOCK HELD` - An attempt to perform dynamic SRDF operations on SRDF/A device(s) failed because the SRDF/A activation lock is held. Wait a while and try the command again.
- `SRDFA I/O'S OUTSTANDING` - The SRDF/A cycles must be complete for the devices before dynamic SRDF operations can be performed. Wait for at least 2 SRDF/A cycles to complete before proceeding.
- `SRDFA MIXED RDF DEVICES` - `CREATEPAIR` was requested, but would have resulted in adding an R1 to the secondary side of a SRDF/A group.
- `SRDFA STATE TABLE LOCKED` - An attempt to perform dynamic SRDF operations on SRDF/A device(s) failed because the SRDF/A state table lock is held. Wait a while and try the command again.
- `SWAP NOT ALLOWED IN SRDFA GROUP` - Swap is not allowed for an SRDF/A group as it would result in an R1 device on the secondary side.
- `SWAP R2 IS LARGER THAN R1` - Swap was requested but the R2 device is larger than the R1 device. This configuration is not allowed.
- `SWAP WITH WRITE PENDING`s - Cannot swap if the device has outstanding write pendings. Wait for the write pendings to clear and try the operation again.
- `SYMPURGE ACTIVE ON DEVICE` - Symmetrix Purge is active on the device. Wait a while and try the operation again.
- `TOLERANCE OR CEXMPT NOT SET` - Dynamic SRDF operations are not allowed on an SRDF group while SRDF/A is active on the same group unless tolerance or consistency exempt is set.
- `UCB FAILED VALIDATION` - An error occurred validating the UCB for the specified device. Try issuing the command using a different gatekeeper device.
- `UNDO ACTION FAILED` - A dynamic SRDF action failed, and subsequent backout of the action failed. Contact the Dell EMC Customer Support Center.
- `VAULT DEVICE CANNOT BE R2` - Devices defined as VAULT devices cannot be R2s.

Action

See the actions for the error texts above.

EMCCV51E

NOT AN RDF DEVICE, DYNAMIC RDF REQUEST ABORTED

Cause

An `#SC VOL` command was entered with a `SWAP` or `DELETEDPAIR` action code and the device specified is not an SRDF device. This message is followed by a list of PowerMax or VMAX device numbers for which the message applies.

Action

Check the device number range and try the command again.

EMCCV52E

TOO MANY HOPS SPECIFIED

Cause

An #SC VOL command with a dynamic SRDF action code (SWAP, CREATEPAIR, or DELETEPAIR) was issued, and a hop list was provided with more than three hops.

Action

Check the hop list for validity, and reenter the command.

EMCCV53R

SRDF SETTING ADAPTIVE COPY RATE, REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

Cause

An #SC VOL command was issued with an action code of ADCOPY_RATE.

Action

Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCV55I

REQUEST TO VALIDATE ALL TRACKS ON ALL {R1|R2} DEVICES

Cause

An #SC VOL VALIDATE command was issued to a range of devices to the storage system to validate all tracks on all R_n devices. If the current synchronization direction is R1>R2, then validation may only be requested on all R2 devices. If the current synchronization direction is R1<R2, then validation may only be requested on all R1 devices. The R1 or R2 value should reflect the value entered for the SYNCH_DIRECTION parameter. Note that you must also invalidate all tracks on all associated R1 devices.

Action

None.

EMCCV57I

REQUEST TO INVALIDATE ALL TRACKS ON ALL R_n DEVICES, ENSURE ALL TRACKS ON ALL ASSOCIATED RN DEVICES ARE VALID

Cause

An #SC VOL INVALIDATE command was issued to a range of devices on the storage system to invalidate all tracks on all of the device types specified in the message.

Action

None.

EMCCV58I

DEVICES SKIPPED DUE TO PARAMETER VONOFF_R1 (R2)_ONLY

Cause

An #SC VOL command was issued with the ONLINE or OFFLINE action but the devices were excluded from processing because of the VONOFF_R1_ONLY or VONOFF_R2_ONLY parameter set.

Action

None.

EMCCV59E

```
DEVICE IS NOT AN R1, ADC-MAX IS INVALID FOR THIS DEVICE
```

Cause

An #SC VOL ADC_MAX command was issued for a device that is not a source (R1) device.

Action

Select a source (R1) device and reenter the command.

EMCCV5AI

```
COMMAND BLOCKED BY PARAMETER
```

Cause

An #SC VOL ONLINE or OFFLINE command has been issued and a VONOFF_* parameter has been set in the SRDF Host Component initialization file that blocks this command.

Action

If you want to issue the command, then review the SRDF Host Component initialization parameter and make changes as needed to allow the command.

EMCCV5BI

```
NO DEVICES REQUESTED FOR THE COMMAND
```

Cause

An #SC VOL ONLINE or OFFLINE command has been issued and there are no devices that will be changed from one status to the other.

Action

None.

EMCCV5CR

```
SRDF REQUESTING VOLUME ONLINE TO ALL HOSTS, REPLY CONTINUE TO  
PROCEED OR CANCEL TO TERMINATE
```

Cause

An #SC VOL ONLINE command was issued and OPERATOR_VERIFY is set to prompt before allowing this command.

Action

Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCV5DR

```
SRDF REQUESTING VOLUME OFFLINE TO ALL HOSTS, REPLY CONTINUE TO  
PROCEED OR CANCEL TO TERMINATE
```

Cause

An #SC VOL OFFLINE command was issued and OPERATOR_VERIFY is set to prompt before allowing this command.

Action

Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCCV5EE

Devices are always synchronized for the current Enginuity level

Cause

The command is not required. For operating environment levels higher than 5x71, devices are always synchronized.

Action

None.

EMCCV5FE

MOVEPAIR src/tgt RDF group remote Symmetrix systems not the same

Cause

An #SC VOL MOVEPAIR command specified source and target SRDF groups whose respective other-side storage systems are not the same. Since this is not permitted, the MOVEPAIR request is denied.

Action

Select a different target SRDF group and issue the # SC VOL MOVEPAIR request with the new target SRDF group.

EMCCV60E

ADC-MAX NOT SUPPORTED AT THIS MICROCODE LEVEL, COMMAND ABORTED

Cause

An #SC VOL ADC_MAX command was issued for a device on a storage system with the operating environment earlier than Enginuity 5061.

Action

Use an #SC CNFG command to set the ADCOPY_MAX_ITRKS value for this storage system.

EMCCV61E

DEVICE NOT IN ADAPTIVE COPY MODE, COMMAND ABORTED

Cause

An #SC VOL ADC_MAX command was used to attempt to set the adaptive copy skew value for a source (R1) device; however, the device was not in Adaptive Copy mode at the time.

Action

Use an #SC VOL command to set the device in adcopy write pending or disk mode, and reenter the failing command.

EMCCV63E

DEVICE IS NOT AN R1, ADCOPY-DISK IS INVALID FOR THIS DEVICE

Cause

An #SC VOL ADCOPY_DISK command was issued for a volume that was not a source (R1) volume.

Action

Select a source (R1) volume for this command.

EMCCV64E

DEVICES NOT DYNAMIC RDF

Cause

An #SC VOL command with a dynamic SRDF action (SWAP, CREATEPAIR, DELETEPAIR) was issued, but one or more devices were not configured as dynamic SRDF devices. This message is followed by a list of PowerMax or VMAX device numbers for which the message applies. If FORCE was specified, processing proceeds, but the listed devices are excluded.

Action

Select another device range for swap.

EMCCV66E

SWAP RANGE TOO BIG, PLEASE SPECIFY A SMALLER RANGE

Cause

Because of the diversity of the devices in the specified range, dynamic SRDF processing generated too many separate swap requests.

Action

Split the request into multiple commands.

EMCCV67E

ADCOPY-DISK NOT SUPPORTED AT THIS MICROCODE LEVEL, COMMAND ABORTED

Cause

An #SC VOL ADCOPY_DISK command was issued for a device on a storage system with the operating environment earlier than Enginuity 5061.

Action

Use an #SC VOL ADCOPY command for this device.

EMCCV68E

NADCOPY NOT ALLOWED IN DATA MOBILITY MODE FOR SYM# *symm-serial*

Cause

The indicated storage system is in Data Mobility mode, and cannot be taken out of Adaptive Copy mode.

Action

If you believe that this message should not have been issued, contact the Dell EMC Customer Support Center.

EMCCV6AE

MIRROR POSITIONS NOT AVAILABLE FOR LOCAL DEVICES

Cause

An #SC VOL command was entered with an action of CREATEPAIR, but the listed devices on the local side either have no open mirror positions or already have two dynamic mirrors. The request is aborted.

Action

Issue an #SQ MIRROR command for the listed device numbers. If they have attached BCVs, split them and try the command again.

EMCCV6BE

MIRROR POSITIONS NOT AVAILABLE FOR REMOTE DEVICES

Cause

An #SC VOL command was entered with an action of CREATEPAIR, but the listed devices on the remote side either have no open mirror positions or already have two dynamic mirrors. The request is aborted.

Action

Issue an #SQ MIRROR command for the listed device numbers. If they have attached BCVs, split them and try the command again.

EMCCV6EE

MOVEPAIR target RDF group *srdfgrp* offline or not defined

Cause

An #SC VOL MOVEPAIR command specified a target SRDF group that is unavailable because it is either undefined or offline. The MOVEPAIR request is denied.

Action

Select a different target SRDF group and issue the MOVEPAIR request with the new target SRDF group.

EMCCV6FE

MOVEPAIR denied, SRDF/A active on target RDF group *srdfgrp*

Cause

An #SC VOL MOVEPAIR command has been issued. However, the command has specified a target SRDF group on which there is an active SRDF/A session, which is not permitted. Consequently, the command cannot be executed.

Action

If appropriate, deactivate the SRDF/A session on the target group and reissue the command.

EMCCV70E

SELECTED DYNAMIC RDF ACTION NOT SUPPORTED AT THIS MICROCODE LEVEL

Cause

An #SC VOL command with a Dynamic SRDF action (SWAP, CREATEPAIR, or DELETEDPAIR) was issued, but the storage system is not at a sufficient operating environment level to support the action.

Action

Issue an #SQ CNFG command to determine the operating environment level. Contact the Dell EMC Customer Support Center to arrange for an operating environment upgrade if necessary.

EMCCV71E

ADCOPY_RATE NOT SUPPORTED AT THIS MICROCODE LEVEL, COMMAND ABORTED

Cause

An #SC VOL command was issued with an action of ADCOPY_RATE, but the storage system was below the minimum operating environment level of 5061 for this action. The command is aborted.

Action

None.

EMCCV72E

```
SWAP OF CASCADING DEVICE dev# INVALID AT THIS UCODE LEVEL
```

Cause

A dynamic SRDF SWAP action was requested. However, at least one device included in the device range was an R21 device residing on a storage system whose operating environment level does not support this action. The request is not processed.

Action

None.

EMCCV73E

```
Swap of cascaded device would create invalid R22 state
```

Cause

A SWAP command was issued against a cascaded device. However, the swap would result in the creation of an R22 device, which is not supported by the storage system on which the indicated device resides. Consequently, the command cannot be executed.

Action

If appropriate, delete the pair consisting of the indicated device and its other partner, and reissue the SWAP command.

EMCCV74E

```
DEVICE IS ALREADY IN ADAPTIVE COPY MODE, REQUEST ABORTED
```

Cause

An #SC VOL ADCOPY or ADCOPY_DISK command was entered; however, the device is already in one of the Adaptive Copy modes. The request is aborted.

Action

Use an #SQ ADC command to determine what Adaptive Copy mode the device is in. If the device is in the desired mode, no action is required. Otherwise, issue #SC VOL NADCOPY to take the device out of Adaptive Copy mode and monitor the progress of the command with #SQ ADC. When the device is not in Adaptive Copy mode, issue #SC VOL ADCOPY or ADCOPY_DISK to place it in the desired mode.

EMCCV75E

```
DEVICE #dev# IN CONFLICTING ADAPTIVE COPY MODE, REQUEST ABORTED
```

Cause

An #SC VOL ADCOPY or ADCOPY_DISK command was entered with the ALL keyword; however, a device on the targeted storage system was in a conflicting Adaptive Copy mode. (For example, the request was to place all devices in adaptive copy write pending mode when at least one device was in Adaptive Copy Disk mode.) The request is aborted.

Action

Use an #SQ ADC command to determine what devices are in Adaptive Copy modes. Issue an #SC VOL NADCOPY,ALL command to take all devices on the storage system out of Adaptive Copy mode, and monitor the progress of the command with the #SQ ADC command. When all devices are no longer in the Adaptive Copy mode, try the failing command again.

EMCCV76E

```
SYNCH_DIRECTION SET TO NONE, VALIDATE/INVALIDATE/REFRESH NOT ALLOWED
```

Cause

An #SC VOL VALIDATE, INVALIDATE, or REFRESH command was entered; however, the current SYNCH_DIRECTION is set to none.

Action

Use an #SC GLOBAL SYNCH_DIRECTION command to set the appropriate synchronization direction.

EMCCV77E

```
DEVICE symdv#, R2 SHOULD NOT BE R/W
```

Cause

An #SC VOL command was issued for an R2 device with the current SYNCH_DIRECTION set to R1>R2, but the R2 device was in a READ/WRITE state. The command requires the R2 device to be READ-ONLY.

Action

The command is aborted. Use an #SC VOL R/O command to set the R2 device in READ-ONLY state, and try the failing command again. If issuing an #SC VOL command with the PREFRESH action, verify the SYNCH_DIRECTION is set correctly.

EMCCV78E

```
DEVICE symdv# NOT RDF-SUSP, COMMAND ABORTED
```

Cause

An #SC VOL command was issued for an R1 device with the current SYNCH_DIRECTION set to R1>R2, but the SRDF pair was not in an RDF-SUSP state. The command requires SRDF to be suspended on the the SRDF pair. The command is aborted.

Action

Use an #SC VOL RDF_SUSP command to suspend SRDF on the SRDF pair and try the failing command again.

EMCCV79I

```
DEVICES IN RANGE ARE NOT IN SPECIFIED RDF GROUP
```

Cause

An #SC VOL command was issued with the RMT or LCL keyword, and an SRDF group or hop list was specified. A PowerMax or VMAX device number range or ALL was also specified. The message is followed by a list of devices in the specified range that are not in the specified SRDF group.

The listed devices are excluded from the operation, and processing continues. If all devices in the specified range are excluded, the command is aborted.

Action

None.

EMCCV7AE

```
ONE OR MORE REMOTE DEVICES ARE BEYOND THE RANGE OF CONFIGURED DEVICES
```

Cause

An #SC VOL command was entered with a SWAP or DELETEPAIR action and one or more devices were beyond the range of configured devices on the specified storage system.

Action

Check the device number range and try the command again.

EMCCV7BE

ATTEMPT TO ADD R1 TO WRONG SIDE OF AN SRDF/A GROUP

Cause

An #SC VOL CREATEPAIR command was issued to add devices to an SRDF/A SRDF group; however, the command would have resulted in the R1 being on the secondary side. In an SRDF/A group, all R1s must reside on the same side.

Action

Check the group number and reenter the command so that the R1s reside on the primary side.

EMCCV7CE

ATTEMPT TO SWAP R1 TO WRONG SIDE OF AN SRDF/A GROUP

Cause

An #SC VOL SWAP command was issued to swap devices in an SRDF/A SRDF group; however, the command would have resulted in R1s being on the secondary side. In an SRDF/A group, all R1s must reside on the same side.

Action

Review the configuration and reenter the command for the correct devices.

EMCCV7DE

SEMI-SYNC ACTION NOT SUPPORTED FOR *model*

Cause

An #SC VOL command was issued to a Symmetrix DMX-3 or later storage system requesting the SEMI-SYNC action. *model* identifies the model of the storage system involved, as indicated in the #SQ CNFG command output. The SEMI-SYNC action is not supported on Symmetrix DMX-3 or later models.

Action

Select another action for the specified range of devices, or select a range of devices on another storage system.

EMCCV7EI

UNEQUAL SIZE DEVICES BYPASSED - MUST USE REFRESH COMMAND

Cause

An #SC VOL RNG_REFRESH command was issued and the devices listed in the message have R2 devices that are larger than the R1 devices that cannot be processed by the RNG_REFRESH command.

Action

If your synchronization direction is R1>R2, use the REFRESH action for these devices; otherwise, you cannot synchronize these devices if R1<R2.

EMCCV7FE

```
DEVICE symdv#, IS UNEQUAL SIZE RDF , COMMAND NOT EXECUTED - USE REFRESH
```

Cause

An #SC VOL RNG_REFRESH command was issued and the indicated device has an R2 device that is larger than the R1 device that cannot be processed by the RNG_REFRESH command.

Action

If your synchronization direction is R1>R2, use the REFRESH action for this device; otherwise, you cannot synchronize this device if R1<R2.

EMCCV80E

```
CREATEPAIR DEVICE(S) ALREADY RDF
```

Cause

An #SC VOL command with a CREATEPAIR action was issued, but one or more local devices specified were already SRDF devices. This message is followed by a list of PowerMax or VMAX device numbers for which the message applies. If force was specified, processing proceeds, but the listed devices are excluded.

Action

Check the device numbers specified and reissue the command.

EMCCV81E

```
CREATEPAIR REMOTE DEVICE(S) ALREADY RDF
```

Cause

An #SC VOL command with a CREATEPAIR action was issued, but one or more specified remote devices were already SRDF devices. This message is followed by a list of PowerMax or VMAX device numbers for which the message applies. If force was specified, processing proceeds, but the listed devices are excluded.

Action

Check the device numbers specified, and reissue the command.

EMCCV82E

```
DEVICE symdv#, VALIDATE WAS NOT SUCCESSFUL
```

Cause

An #SC VOL RDF_RSUM command was issued for an R1 device after an #SC VOL VALIDATE command was entered for the same device with the current synchronization direction set to R1<R2, but the validate command had not completed successfully. The command is aborted.

Action

The command is aborted. Use the SYSLOG to determine why the validate command failed. Correct the problem, and try the #SC VOL VALIDATE command again.

EMCCV83E

```
DEVICE symdv#, ISSUE RDF-RSUM TO BEGIN SYNCHRONIZATION, COMMAND ABORTED
```

Cause

An #SC VOL RDF_RDY command was issued for an R1 device after an #SC VOL VALIDATE command was entered for the same device with the current synchronization direction set to R1<R2 with no intervening RDF_RSUM.

Action

Prior to making the R1 device RDF-RDY, you must resynchronize using the #SC VOL RDF_RSUM command.

EMCCV84E

```
CREATEPAIR REMOTE DEVICE(S) NOT DYNAMIC RDF
```

Cause

An #SC VOL command with a CREATEPAIR action was issued, but one or more remote devices specified were not dynamic SRDF devices. This message is followed by a list of PowerMax or VMAX device numbers for which the message applies. If force was specified, processing proceeds, but the listed devices are excluded.

Action

Check the device numbers specified and reissue the command.

EMCCV85E

```
DEVICE syndv#, NOT RDF-SUSP
```

Cause

An #SC VOL VALIDATE command was issued for an R1 device; however, the device is not in RDF-SUSP status. The command is aborted.

Action

None.

EMCCV86E

```
DEVICE syndv#, NOT RDF-NRDY, ACTION NOT PERFORMED
```

Cause

An #SC VOL VALIDATE command was issued for an R1 device; however, the device is not in RDF-NRDY status. The command is aborted.

Action

None.

EMCCV88E

```
R2 DEVICE IS NOT READY, COMMAND ABORTED
```

Cause

An #SC VOL R/W command was issued to place an R2 device in READ/WRITE mode; however, the current state of the R2 device is NOT READY.

Action

Issue an #SC VOL RDY command to place the R2 device in ready state prior to issuing an #SC VOL R/W command.

EMCCV89E

```
DEVICE syndv# VALIDATE DID NOT COMPLETE, CHECK THE DEVICE STATUS AND RETRY THE COMMAND
```

Cause

While the synchronization direction was set to R1<R2, an #SC VOL VALIDATE command was issued for an R1 device, but the command did not complete processing.

Action

Issue an #SQ VOL command to determine the current status of the device. Try the VALIDATE command again. If the problem persists, contact the Dell EMC Customer Support Center.

EMCCV8AE

LOCAL DEVICE CONCURRENT DRDF GROUP ERROR

Cause

An #SC VOL command was entered for a dynamic SRDF request and the SRDF group was either not specified or was invalid. The requested action was either directed to a concurrent dynamic SRDF set, or it was an attempt to add an R2 mirror to an existing SRDF pair. For the CREATEPAIR action, the group specified may conflict with the group of an existing SRDF mirror. For the DELETEDPAIR action, the group specified may not match the group of one of an existing SRDF mirror. The local R1 devices affected are displayed following this message.

Action

Display the affected devices with #SQ VOL. Display the available groups with #SQ RDFGRP. Reissue the command with the appropriate SRDF group.

EMCCV8BE

REMOTE DEVICE CONCURRENT DRDF GROUP ERROR

Cause

An #SC VOL command was entered for a dynamic SRDF request and the SRDF group was either not specified or was invalid. The requested action was either directed to a concurrent dynamic SRDF set, or it was an attempt to add an R2 mirror to an existing SRDF pair. For the CREATEPAIR action, the group specified may conflict with the group of an existing SRDF mirror. For the DELETEDPAIR action, the group specified may not match the group of one of an existing SRDF mirror. The remote R1 devices affected are displayed following this message.

Action

Display the affected devices with #SQ VOL. Display the available groups with SQ RDFGRP. Reissue the command with the appropriate SRDF group.

EMCCV8CE

LOCAL R1: KEEPR2 AND EXISTING MIRROR NOT TNR

Cause

An #SC VOL CREATEPAIR was issued with the KEEPR2 flag and the device to become the new R1 already has an R1 mirror which is not suspended.

Action

Issue an #SC VOL RDF_SUSP action against the existing R1 mirror.

EMCCV8DE

REMOTE R1: KEEPR2 AND EXISTING MIRROR NOT TNR

Cause

An #SC VOL command was entered with the CREATEPAIR action and the KEEPR2 flag. The remote R1 device has an existing SRDF mirror and this is an attempt to create a concurrent SRDF set. The existing SRDF pair is not suspended. The remote R1 devices affected are displayed following this message.

Action

Issue an #SC VOL command to the remote R1 device with the RDF_SUSP action to suspend the existing pair and reissue the CREATEPAIR.

EMCCV8EE

LOCAL INCONSISTENT R1 FLAGS FOR CONCURRENT RDF

Cause

An #SC VOL command was entered with the CREATEPAIR action and one or more primary (R1) flags were specified that conflict with the existing state of the device. See the *SRDF Host Component for z/OS Product Guide* for a list of the primary (R1) flags. The local R1 devices affected are displayed following this message.

Action

Either omit the primary flags from the CREATEPAIR command to allow the R1 devices to keep their current state, or specify the FORCE flag to effect the state change to the R1 devices.

EMCCV8FE

REMOTE INCONSISTENT R1 FLAGS FOR CONCURRENT RDF

Cause

An #SC VOL command was entered with the CREATEPAIR action and one or more primary (R1) flags were specified that conflict with the existing state of the device. See the *SRDF Host Component for z/OS Product Guide* for a list of the primary (R1) flags. The remote R1 devices affected are displayed following this message.

Action

Either omit the primary flags from the CREATEPAIR command to allow the R1 devices to keep their current state, or specify the FORCE flag to effect the state change to the R1 devices.

EMCCV92E

COMMAND NOT SUPPORTED AT THIS MICROCODE LEVEL, USE VALIDATE AND INVALIDATE

Cause

An #SC VOL command was issued with an action of REFRESH or RFR_RSUM for a device on a storage system, which is below Enginuity 5062.

Action

Issue an #SQ CNFG command to determine the operating environment level of your storage system. Follow the recovery procedures as documented for your operating environment level.

EMCCV93E

REFRESH DEVICE NOT AN R2, CURRENT DIRECTION SET TO R1>R2, REQUEST ABORTED

Cause

An #SC VOL REFRESH command was issued to a device, which is not an R2 device when the current synchronization direction is set to R1>R2.

Action

Issue an #SQ GLOBAL command to verify the current synchronization direction. Issue a #SQ VOL command to determine the mirror type of the requested device. Review the recovery procedures before continuing. Either change the current synchronization

direction to R1<R2, or select an R2 device for refresh.

EMCCV94E

```
REFRESH DEVICE NOT AN R1, CURRENT DIRECTION SET TO R1<R2, REQUEST  
ABORTED
```

Cause

An #SC VOL REFRESH command was issued to a device, which is not an R1 device when the current synchronization direction is set to R1<R2.

Action

Issue an #SQ GLOBAL command to verify the current synchronization direction. Issue an #SQ VOL command to determine the mirror type of the requested device. Review the recovery procedures before continuing. Either change the current synchronization direction to R1>R2, or select an R1 device for refresh.

EMCCV99E

```
DEVICE syndv# REFRESH ALREADY REQUESTED, ISSUE RFR-RSUM TO  
COMPLETE
```

Cause

An #SC VOL REFRESH command was reentered for a device.

Action

Issue an #SC VOL RFR_RSUM command to complete the REFRESH process.

EMCCV9AE

```
SWAP NOT ALLOWED WHEN R1 AND R2 ARE DIFFERENT SIZE
```

Cause

A swap was requested, but the R1 device is smaller than the R2 device.

Action

Since a larger R1 mirroring to a smaller R2 device is not supported, the request to swap is aborted.

EMCCV9BI

```
UNEQUAL SIZE DEVICES WITH SYNC DIRECTION OF R1<R2 NOT ALLOWED
```

Cause

An #SC VOL command was issued with an action code of VALIDATE, INVALIDATE, or REFRESH for unequal sized SRDF devices, and the synchronization direction is set to R1<R2.

Action

Sync direction R1<R2 is not supported for unequal sized SRDF pairs. The request is aborted.

EMCCV9CI

```
UNEQUAL SIZE DEVICES WITH SYNC DIRECTION OF R1<R2 NOT ALLOWED
```

Cause

A request to VALIDATE, INVALIDATE, or REFRESH was made to an SRDF pair where the R1 is smaller than the R2. The synchronization direction is set to R1<R2.

Action

Since a synchronization direction of R1<R2 is not supported when a smaller R1 is mirrored to a larger R2, the request is aborted.

EMCCV9DE

```
LOCAL R1 IS CONCURRENT RDF
```

Cause

An #SC VOL command was entered with the CREATEPAIR or SWAP action involving an R1 device which has 2 SRDF mirrors. This message is followed by a list of device numbers on the local storage system.

Action

Verify that the correct devices were specified. If desired, delete one of the R2 mirrors and reissue the CREATEPAIR or SWAP.

EMCCV9EE

```
REMOTE R1 IS CONCURRENT RDF
```

Cause

An #SC VOL command was entered with the CREATEPAIR or SWAP action involving an R1 device which has 2 SRDF mirrors. This message is followed by a list of device numbers on the remote storage system.

Action

Verify that the correct devices were specified. If desired, delete one of the R2 mirrors and reissue the CREATEPAIR or SWAP.

EMCCV9FE

```
SRDF/A DEVICES WITH HOST INTERVENTION REQUIRED <list of devices>
```

Cause

The devices indicated are in an SRDF/A SRDF group that has Host Intervention Required set.

Action

Run the MSC Cleanup utility to perform the MSC cleanup before you can issue the command. Note that you will need to wait approximately 30 seconds after the MSC Cleanup utility is run before reissuing the command.

EMCCVA0E

```
DEVICE IS NOT AN R1, RDF WRITE ENABLE IS NOT VALID FOR THIS DEVICE
```

Cause

An #SC VOL RDF_WR_ENABLE command was issued for a device that is not an R1.

Action

Issue an #SQ VOL command to determine the mirror type of the device. Try the command to the correct device type.

EMCCVA1E

```
DEVICE IS NOT RDF WRITE DISABLED, COMMAND ABORTED
```

Cause

An #SC VOL RDF_WR_ENABLE command was issued for a device that does not have a status of RWD.

Action

Issue an #SQ VOL command to determine the mirror type of the device.

EMCCVA3E

```
DEVICE #dev REFRESH HAS BEEN REQUESTED, ISSUE RFR-RSUM TO COMPLETE
```

Cause

An #SC VOL RDF_RSUM command has been requested for an R1 device for which a REFRESH command had previously completed.

Action

Issue an #SC VOL RFR_RSUM command to complete the refresh process.

EMCCVA5I

```
NO REFRESH OR REFRESH NOT COMPLETE
```

Cause

An #SC VOL RFR_RSUM command has been requested for a single device, and an #SC VOL REFRESH command had not been entered or had not completed successfully.

Action

Check the log to see if a previous RFR_RSUM command had completed successfully.

EMCCVA6E

```
NO ELIGIBLE DEVICES FOUND FOR RFR-RSUM, REQUEST ABORTED
```

Cause

An #SC VOL RFR_RSUM command has been requested and no eligible devices were found.

Action

Check the log for other messages that may indicate a failure for a specific device. Check to see that RFR_RSUM was preceded by at least one #SC VOL REFRESH command that had completed successfully to a device on the requested storage system.

EMCCVA7E

```
DEVICE symdv# NO AVAILABLE LINKS
```

Cause

An #SC VOL RFR_RSUM command has been requested for the indicated device; however, no links are available for this device.

Action

Issue an #SQ LINK command to check the link status on both the local and remote storage system. Ensure that the links are online and physically connected.

EMCCVA8I

```
DEVICE symdv# (Rn), ISSUING RFR_RSUM
```

Cause

An #SC VOL RFR_RSUM command is being issued for the indicated device.

Action

Use an #SQ VOL command to monitor the progress of the refresh operation.

EMCCVA9E

```
Device dev# is not an R1 in RDF Group srdfgrp. Action is invalid
```

Cause

An #SC VOL command using the LCL or RMT format requested the RDF_SUSP or SUSP_CGRP action for the device indicated in the message. No mirror position for the listed device was found as an R1 in the SRDF group specified in the LCL or RMT keyword.

Action

Specify an SRDF group for which the indicated device is an R1.

EMCCVAAI

```
DEVICE symdv#, ISSUING REFRESH
```

Cause

An #SC VOL command was issued with a device range, or the ALL option and the REFRESH action. The REFRESH action is being issued for the indicated device number.

Action

None.

EMCCVABE

```
DEVICE symdv# HAS NON-ZERO Rn ITRKS, RFR-RSUM NOT DONE FOR THIS DEVICE
```

Cause

An #SC VOL RFR_RSUM command was issued for a device, and that device indicates nonzero invalid tracks on the SRDF partner device.

Action

The device is not properly refreshed. Reenter the refresh for the indicated device number and reenter the RFR_RSUM.

EMCCVACI

```
SC VOL COMMAND HAS NOT YET COMPLETED, PROCESSING CONTINUES
```

Cause

An #SC VOL command was requested, and the command has not yet completed. Command processing continues.

Action

Issue an #SQ VOL command to monitor the progress of the command. Command processing continues.

EMCCVADE

```
CREATEPAIR REQUIRES THAT YOU SUPPLY A VALID RDF GROUP
```

Cause

An #SC VOL command with a CREATEPAIR action code was issued, but an SRDF group was not provided.

Action

Reissue the command with the LCL(*cuu,srdfgrp*) format.

EMCCVAEI

```
RAID10 DEVICES ARE CURRENTLY NOT SUPPORTED
```

Cause

An #SC VOL command was issued to perform an action on a RAID10 device. SRDF Host Component currently does not support RAID10 devices.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for assistance. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCCVAFI

NO AVAILABLE LINKS FOR THE FOLLOWING DEVICES

Cause

An #SC VOL RDF_RSUM command was issued, but the following devices are in LNR or are not in the same SRDF group and cannot be resumed.

Action

Determine why the links are down and bring them online, then reissue the command.

EMCCVB0E

DEVICE *syndv#*, HAS NON-ZERO R1 INVALID TRACKS COMMAND ABORTED

Cause

An #SC VOL RDF_SUSP command has been issued to an R1 device that is in the process of synchronizing, and cannot be suspended until the synchronization is completed.

Action

Wait until the device is synchronized, and then reissue the command.

EMCCVB1E

DEVICE *syndv#*, RFR-RSUM COMMAND FAILED

Cause

An #SC VOL RFR_RSUM command was requested for the indicated device, but the storage system was unable to accept the command at that time.

Action

Wait a few minutes, and try the #SC VOL RFR_RSUM again. If the problem persists, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

EMCCVB2E

DEVICE *syndv#*, REFRESH COMMAND NOT EXECUTED

Cause

An #SC VOL REFRESH command was requested for the indicated device, but the command did not complete successfully.

Action

Wait a few minutes, and try the #SC VOL REFRESH command again. If the problem persists, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

EMCCVB3E

DEVICE *dev#*, IS FBA, COMMAND NOT EXECUTED

Cause

An SRDF Host Component command was issued for a device that is FBA and FBA processing is disabled. Since this device cannot be used from MVS, the command is rejected.

Action

Select another device, or use the #SC GLOBAL,FBA_ENABLE command to enable FBA processing on that device.

EMCCVB4I

FBA DEVICES WILL BE EXCLUDED

Cause

An #SC VOL command was issued with a device range or with the ALL option, and within that range was found one or more FBA devices and FBA processing is disabled. A list of the PowerMax or VMAX device numbers or ranges are displayed on subsequent lines of this multiline message.

Action

The FBA devices are excluded from the requested action, or use an #SC GLOBAL,FBA_ENABLE command to enable FBA processing on the devices.

EMCCVB5I

DEVICES IN DOMINO MODE WILL BE EXCLUDED

Cause

An #SC VOL command was issued with the RDF_SUSP action and a device range or ALL option, and within that range was found one or more devices in DOMINO mode. A list of the PowerMax or VMAX device numbers or ranges are displayed on subsequent lines of this multiline message.

Action

The devices in DOMINO mode are excluded from the requested action. Issue an #SC VOL command with the NDOMINO action code, and reenter the RDF_SUSP request.

EMCCVB6I

DEVICES IN CONFLICTING ADAPTIVE COPY MODE WILL BE EXCLUDED

Cause

An #SC VOL command was issued with the ADCOPY or ADCOPY_DISK action and with a device range. Within the range was found one or more devices in a conflicting Adaptive Copy mode.

This message occurs when a request is submitted to place devices in Adaptive Copy Write Pending mode, and some or all of the devices in the range are in Adaptive Copy Disk mode. This message also occurs when a request to place devices in Adaptive Copy Disk mode finds some or all of the devices in Adaptive Copy Write Pending mode.

A list of the PowerMax or VMAX device numbers or ranges that are in a conflicting Adaptive Copy mode are displayed on subsequent lines of this multiline message.

Action

The devices in conflict are excluded from the requested action. Issue an #SC VOL command with the NADCOPY action code, and try the request for the excluded devices

again.

EMCCVB7I

```
VALIDATE WAS NOT SUCCESSFUL FOR DEVICES
```

Cause

An #SC VOL command was issued with the RDF_RSUM action and with a device range or ALL option. Within that range was found one or more devices to which an #SC VOL command with the VALIDATE action had previously been requested and had not completed successfully. A list of the PowerMax or VMAX device numbers or ranges will be displayed on subsequent lines of this multiline message.

Action

Use the SYSLOG to determine why the validate command did not complete successfully. Correct the problem, and try the validate command again.

EMCCVB8I

```
ISSUE RDF-RSUM TO BEGIN SYNCHRONIZATION FOR
```

Cause

An #SC VOL command was issued with the RDF_RDY action and a device range or ALL option. Within that range was found one or more devices to which an #SC VOL command with the VALIDATE action had previously been requested. A list of the PowerMax or VMAX device numbers or ranges are displayed on subsequent lines of this multiline message.

Action

Prior to making the R1 devices RDF-RDY, you must initiate resynchronization using the #SC VOL command with the RDF_RSUM action.

EMCCVB9I

```
REFRESH REQUESTED FOR THESE DEVICES, ISSUE RFR-RSUM TO COMPLETE
```

Cause

An #SC VOL command was issued with the RDF_RSUM action and a device range or ALL option. Within that range was found one or more devices to which an #SC VOL command with the REFRESH action had previously been requested. A list of the PowerMax or VMAX device numbers or ranges are displayed on subsequent lines of this multiline message.

Action

Issue an #SC VOL command with the RFR_RSUM action to complete the REFRESH process.

EMCCVBAI

```
DEVICES ALREADY IN TNR STATUS WILL BE EXCLUDED
```

Cause

An #SC VOL command was issued with the RDF_SUSP action and a device range or ALL option. Within that range was found one or more devices that are already in a TNR (target not ready) state. A list of the PowerMax or VMAX device numbers or ranges are displayed on subsequent lines of this multiline message.

Action

Check the status of the listed device numbers. Issue an #SQ LINK command to check that at least one link is online and connected. Scan the SYSLOG or the SRDF Host Component command log for previously issued #SC VOL commands.

EMCCVBBI

RFR-RSUM RETRYING FOR DEVICES

Cause

An #SC VOL command was issued with the RFR_RSUM action. The RFR_RSUM failed to complete on the listed device(s). SRDF Host Component reissues the commands for the listed devices up to four times.

Action

None.

EMCCVBCI

RFR-RSUM INCOMPLETE FOR DEVICES

Cause

An #SC VOL command was issued with the RFR_RSUM action. The RDF_RSUM failed to complete on the listed device(s) after having been retried four times.

Action

Issue an #SQ VOL command to check the status of the listed device numbers. Issue an #SQ LINK command to check that at least one link is online and connected. Scan the SYSLOG or the SRDF Host Component command log for previously issued #SC VOL commands. Reenter the RDF_RSUM action for the listed device numbers.

EMCCVBEE

VOLUME MUST NOT BE RWD, ACTION NOT PERFORMED FOR DEVICE *symdv#*

Cause

An #SC VOL command with the RDF_SUSP action was issued to a device, and the specified device was in an RDF WRITE DISABLED status.

Action

Check the specified device. Ensure that its partner R2 device is in a READ ONLY mode. Issue an #SC VOL command with the RDF_WR_ENABLE action. Ensure that the device is in a TNR status by issuing #SC VOL with the RDF_SUSP action, if necessary.

EMCCVBFI

DEVICES IN RWD STATUS WILL BE EXCLUDED

Cause

An #SC VOL command was issued with the REFRESH action to a range of devices, and one or more of those devices were in an RDF WRITE DISABLED status.

Action

Check the specified devices. Ensure that their partner R2 devices are in a READ ONLY mode. Issue an #SC VOL command with the RDF_WR_ENABLE action. Ensure that the devices are in a TNR status by issuing an #SC VOL command with the RDF-SUSP action, if necessary.

EMCCVC0I

R1 DEVICES WITH R1 INVALID TRACKS

Cause

An #SC VOL RDF_SUSP command has been issued, and the following devices have R1 invalid tracks.

Action

None.

EMCCVC1I

```
DEVICE syndv#, REFRESH COMMAND RETRYING
```

Cause

An #SC VOL REFRESH command was issued that has not completed. SRDF Host Component will retry the command.

Action

None.

EMCCVC2I

```
DEVICE syndv# RFR-RSUM RETRYING (CUU:nnnn)
```

Cause

An #SC VOL RFR_RSUM command was issued for a single device and the command failed to complete.

The command is automatically retried up to four times for a storage system with a local link, and up to 10 times for a storage system with an extended link.

Action

Use the #SQ CNFG command to determine whether your storage system has a local or extended link.

EMCCVC3I

```
DEVICE syndv# RFR-RSUM INCOMPLETE (CUU:ccuu)
```

Cause

An #SC VOL RFR_RSUM command was issued for a single device, and the command failed to complete after the prescribed number of retries.

Action

Issue an #SQ VOL command to check the status of the device. Issue an #SQ LINK command to check that at least one link is online and connected. Scan the SYSLOG or the SRDF Host Component command log for previously issued #SC VOL commands. Reenter the RDF_RSUM action for the device.

EMCCVC4I

```
DEVICE syndv#, RFR-RSUM COMMAND RETRYING
```

Cause

An #SC VOL RFR_RSUM was issued that has not completed. SRDF Host Component will retry the command.

Action

None.

EMCCVC5I

```
DEVICE syndv#, RDF_WR_ENABLE INCOMPLETE
```

Cause

An #SC VOL RDF_WR_ENABLE command was issued for a device, but the device failed to change status.

Action

Check the status of the partner R2 device. If it is R/W, use an #SC VOL R/O command to make it read-only, and try the failing command again.

EMCCVC6I

RDF_WR_ENABLE INCOMPLETE FOR DEVICES

Cause

An #SC VOL command with the RDF_WR_ENABLE action was issued for a range of devices, but some of the devices failed to change status. This message is followed by a list of device numbers that did not change status.

Action

Check the status of partner R2 devices. If they are R/W, use an #SC VOL R/O command to make them read-only, and try the failing command again.

EMCCVC7I

DEVICES IN CONSISTENCY GROUPS WILL BE EXCLUDED

Cause

An #SC VOL command with the ADCOPY, ADCOPY_DISK, CARSUM, or RDF_SUSP action for a range of devices and the range included devices in a consistency group.

Action

Verify the range specified. Issue an #SQ VOL CGROUP command to obtain a list of devices in consistency groups.

EMCCVC8I

SPECIFIED ACTION NOT ALLOWED FOR A DEVICE IN A CONSISTENCY GROUP

Cause

An #SC VOL command with the ADCOPY, ADCOPY_DISK, or RDF_SUSP action was issued for a single device, which happens to be in a consistency group.

Action

Verify the device specified. Issue an #SQ VOL CGROUP command to obtain a list of devices in consistency groups.

EMCCVC9I

PPRC DEVICES ARE NOT SUPPORTED

Cause

An #SC VOL command was issued, and one or more devices were established using PPRC. If a range was supplied, this message is followed by a list of the affected device ranges. #SC VOL commands are not supported on PPRC devices. Processing is aborted.

Action

None.

EMCCVCAI

DEVICE *syndv#*, SCVOL INCOMPLETE

Cause

An #SC VOL command was issued to a single device, and the device failed to change to the requested status within a reasonable amount of time.

Action

Issue an #SQ VOL command to determine the current status of the device. Try the #SC VOL command again. If the problem persists, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

EMCCVCBI

```
SCVOL INCOMPLETE FOR DEVICES: <list of devices>
```

Cause

An #SC VOL command was issued to a range of devices, and the listed devices failed to change to the requested status within a reasonable amount of time.

Action

Issue an #SQ VOL command to determine the current status of the devices. Try the #SC VOL command again. If the problem persists, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

EMCCVCCI

```
DEVICES NOT IN CONSISTENCY GROUPS WILL BE EXCLUDED
```

Cause

An #SC VOL command was issued to a single device, and the device failed to change to the requested status within a reasonable amount of time.

Action

Issue an #SQ VOL command to determine the current status of the device. Try the #SC VOL command again. If the problem persists, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase website for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

EMCCVCDI

```
SPECIFIED ACTION NOT ALLOWED FOR A DEVICE NOT IN A CONSISTENCY GROUP
```

Cause

An #SC VOL SUSP_CGRP command was issued to a device that is not in a consistency group.

Action

Issue an #SQ VOL CGROUP command to determine which devices are in consistency groups. Select a device in a consistency group, and reenter the command.

EMCCVCEE

```
DEVICE syndv# REQUIRES SPECIAL PROCESSING BEFORE RESUME
```

Cause

An #SC VOL command was entered with the RDF_RSUM action; however, the device specified requires that resynchronization procedures be performed. The command is aborted.

Action

See the recovery procedure for synchronization method selection in the *SRDF Host Component for z/OS Product Guide*. Ensure that steps 1 and 2 are complete. Then use step 3 to determine the appropriate resynchronization procedure to be used to resume remote mirroring.

EMCCVCFE

THE FOLLOWING DEVICES REQUIRE SPECIAL PROCESSING BEFORE RESUME

Cause

An #SC VOL command was entered with the RDF_RSUM action; however, (some of) the specified devices require that resynchronization procedures be performed. A list of the PowerMax or VMAX device numbers or ranges that require the resynchronization procedures are displayed on the subsequent lines of this multiline message. The command is aborted. None of the requested devices are resumed.

Action

Check the R2 partner. If it is R/W, set it to R/O. Next, see the recovery procedure for synchronization method selection in the *SRDF Host Component for z/OS Product Guide*, and ensure that steps 1 and 2 are complete. Then use step 3 to determine the appropriate resynchronization procedure to be used to resume remote mirroring.

EMCCVCFW

THE FOLLOWING DEVICES REQUIRE SPECIAL PROCESSING BEFORE RESUME

Cause

An #SC VOL command was entered with the RDF_RSUM action; however, some of the specified devices require that resynchronization procedures be performed. A list of the PowerMax or VMAX device numbers or ranges that require the resynchronization procedures are displayed on the subsequent lines of this multiline message. The command is aborted. None of the requested devices are resumed.

Action

Check the R2 partner. If it is R/W, set it to R/O. Next, see the recovery procedure for synchronization method selection in the *SRDF Host Component for z/OS Product Guide*, and ensure that steps 1 and 2 are complete. Then use step 3 to determine the appropriate resynchronization procedure to be used to resume remote mirroring.

EMCCVDAE

No eligible online devices found matching volser/mask

Cause

An SC command was issued with location information specified via the VOL keyword parameter, which specifies a volser or mask used to select devices. The command applies a specified action to each storage system on which at least one of the selected devices reside. However, no matching online volser was found, so no applicable storage system could be determined, and the command was not processed.

Action

Correct the volser or mask, or specify the location information for the command in a different way, such as via a gatekeeper or a defined SCF or SMS group. Reissue the command.

EMCCVDBI

DEVICE(S) CANNOT BE MADE RDF-RDY: REFRESH OR VALIDATE

Cause

An #SC VOL RDF_RDY command has been issued to R1 device(s) that have either the REFRESH or VALIDATE indicator on, and cannot be done until the #SC VOL RFR_RSUM or INVALIDATE commands are run on the device(s).

Action

Complete the procedure you are running before setting the device to RDF-RDY.

EMCCVDCE

SPECIFIED ACTION NOT ALLOWED FOR A DEVICE IN AN ACTIVE SRDF/A SESSION

Cause

An active SRDF/A device was the target of an #SC VOL RDF_RSUM command. The RDF_SUSP command may not be done to the active SRDF/A device.

Action

Either deactivate SRDF/A or turn Tolerance mode on, then issue the RDF_RSUM again.

EMCCVDDI

ACTIVE SRDF/A DEVICES BEING BYPASSED

Cause

An #SC VOL command action was issued to a set of devices including active SRDF/A devices. The active SRDF/A devices are ineligible to be processed by the command action and will be bypassed.

Action

None.

EMCCVDEE

SPECIFIED ACTION IS NOT ALLOWED TO AN ACTIVE SRDF/A DEVICE

Cause

An #SC VOL ADCOPY or ADCOPY_DISK command was issued to an active SRDF/A device. The command cannot be issued to an active SRDF/A device. The command is aborted.

Action

None.

EMCCVDFE

CREATEPAIR IS NOT ALLOWED - RDFGRP *srdfgrp* IS DEFINED TO SRDF/A

Cause

An #SC VOL CREATEPAIR command is being attempted to an SRDF group with SRDF/A. CREATEPAIR is not allowed to an SRDF group with SRDF/A. The command is aborted.

Action

None.

EMCCVE1E

DEVICE IS NOT AN R2, ITA IS INVALID FOR THIS DEVICE

Cause

An #SC VOL ITA command was issued to a device that is not an R2 device.

Action

Verify that the device is an R2. If the problem persists, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

EMCCVE3E

```
DEVICE IS NOT AN R2, NITA IS INVALID FOR THIS DEVICE
```

Cause

An #SC VOL NITA command was issued to a device that is not an R2 device.

Action

Verify that the device is an R2. If the problem persists, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

EMCCVE4E

```
DEVICE syndv#, PARTNER R1 IS NOT IN TNR STATUS
```

Cause

An #SC VOL INVALIDATE or #SC VOL REFRESH command was attempted on an R2 device, but the R1 device was not suspended.

Action

If you intend to invalidate or refresh the R2, you must have the R1 in the proper state.

EMCCVE5W

```
DELETEPAIR: R1 INDICATES DATA OWED TO THE R2
```

Cause

An #SC VOL DELETEPAIR command was issued, but one or more R1 devices indicated that it owed tracks to its remote partner. This message is followed by a list of device numbers to which it applies.

Unless the FORCE option was specified, the command is aborted. If FORCE is specified, DELETEPAIR processing continues, and the owed tracks are not transferred to the SRDF partner.

Action

If appropriate, specify the FORCE option on the command.

EMCCVE6W

```
DELETEPAIR: R2 INDICATES DATA OWED TO THE R1
```

Cause

An #SC VOL DELETEPAIR command was issued, but one or more R2 devices indicated that it owed tracks to its remote partner. This message is followed by a list of device numbers to which it applies.

Unless the FORCE option was specified, the command is aborted. If FORCE is specified, DELETEPAIR processing continues, and the owed tracks are not transferred to the SRDF partner.

Action

If appropriate, specify the FORCE option on the command.

EMCCVE7I

```
CREATEPAIR: DEVICE SIZE OR EMULATION DOES NOT MATCH
```

Cause

An #SC VOL CREATEPAIR command has been issued, and the specified devices do not have identical device size or emulation.

Action

Ensure the devices that the CREATEPAIR are issued for have the same size and emulation.

EMCCVE9E

```
SC VOL type mask corrupted - detected by subroutine
```

Cause

The *type* mask identifying devices used by module SCVOL was found to be corrupted. The indicated subroutine detected this. *type* is the two character mask type. *subroutine* is the name of the subroutine that detected this.

Action

The requested #SC VOL action is aborted. Document the command that was specified and all messages that were issued as a result of the command. Contact the Dell EMC Customer Support Center.

EMCCVEAW

```
ESF21DRD incompatible with Version 2 FC21DRDI - Tolerating
```

Cause

During an #SC VOL action it was found that the DRDF API that is part of SCF is back-level and does not support version 2 FC21DRDI functionality.

Action

#SC VOL actions tolerate the incompatibility, but for optimum functionality SCF should run with the current version of the DRDF API. Contact the Dell EMC Customer Support Center.

EMCCVEBW

```
DRDF: LOCAL RDF-NRDY DEVICES WILL BECOME READY TO THE HOST
```

Cause

An #SC VOL DELETEDPAIR command was entered, and one or more devices on the local storage system were in an RDF-NRDY state. A list of PowerMax or VMAX device numbers follows. For the devices listed, the RDF-NRDY condition is cleared and the devices are made READY to the host.

Action

None.

EMCCVECW

```
DRDF: REMOTE RDF-NRDY DEVICES WILL BECOME READY TO THE HOST
```

Cause

An #SC VOL command was entered with an action code of DELETEDPAIR, and one or more devices on the remote storage system were in an RDF-NRDY state. A list of PowerMax or VMAX device numbers follows.

Action

For the devices listed, the RDF-NRDY condition is cleared and the devices are made

READY to the host.

EMCCVEDW

```
DRDF: NADCOPY INVALID FOR DEVICES IN DATA MOBILITY MODE
```

Cause

An #SC VOL command was issued with a CREATEPAIR or SWAP action code, and NADCOPY flag was specified. Either the R1 or the R2 (or both) were on a storage system operating in data mobility mode. This message is followed by a list of device ranges of those devices that are in data mobility mode. The command is aborted unless FORCE was specified, in which case, the command continues for those devices for which neither the R1 nor the R2 are in data mobility mode.

Action

If appropriate, specify the FORCE option on the command.

EMCCVEEI

```
RAGRP srdgrp IS UNKNOWN SO SYNC_DIRECTION IS SET TO NONE
```

Cause

The SRDF group specified in the command is unknown. The synchronization direction is set to NONE, thus preventing procedural commands.

Action

None.

EMCCVEFE

```
DEVICE symdv#, INVALID RAGRP, ACTION NOT PERFORMED
```

Cause

The SRDF group for the indicated device is unknown. The command is aborted.

Action

Verify the SRDF group by performing queries.

EMCCVF0E

```
LOCAL DEVICE(S) NOT DYNAMIC R1
```

Cause

An #SC VOL command was issued with a CREATEPAIR or SWAP action, and the listed local devices were to become R1s, but they are not configured as being dynamic R1 capable.

This message is followed by a list of PowerMax or VMAX device numbers for those local devices that are in error.

If FORCE is not specified, the command is aborted. If FORCE is specified, processing continues with those devices that are not in error.

Action

If appropriate, specify the FORCE option on the command.

EMCCVF1E

```
LOCAL DEVICE(S) NOT DYNAMIC R2
```

Cause

An #SC VOL command was issued with a CREATEPAIR or SWAP action, and the listed

local devices were to become R2s, but they are not configured as being dynamic R2 capable.

This message is followed by a list of PowerMax or VMAX device numbers for those local devices that are in error.

If FORCE is not specified, the command is aborted. If FORCE is specified, processing continues with those devices that are not in error.

Action

If appropriate, specify the FORCE option on the command.

EMCCVF2E

```
REMOTE DEVICE(S) NOT DYNAMIC R1
```

Cause

An #SC VOL command was issued with a CREATEPAIR or SWAP action, and the listed remote devices were to become R1s, but they are not configured as being dynamic R1 capable. This message is followed by a list of PowerMax or VMAX device numbers for those remote devices that are in error.

If FORCE is not specified, the command is aborted. If FORCE is specified, processing continues with those devices that are not in error.

Action

If appropriate, specify the FORCE option on the command.

EMCCVF3E

```
REMOTE DEVICE(S) NOT DYNAMIC R2
```

Cause

An #SC VOL command was issued with a CREATEPAIR or SWAP action, and the listed remote devices were to become R2s, but they are not configured as being dynamic R2 capable. This message is followed by a list of PowerMax or VMAX device numbers for those remote devices that are in error.

If FORCE is not specified, the command is aborted. If FORCE is specified, processing continues with devices that are not in error.

Action

If appropriate, specify the FORCE option on the command.

EMCCVF4I

```
SC VOL, action STATUS FOR SYMM symmserial  
ELIGIBLE DEVICES = count, DEVICES CHECKED = count  
DEVICES COMPLETE = count, DEVICES INCOMPLETE = count
```

Cause

An #SC VOL command is performing the indicated action against the indicated storage system. This message is issued at regular intervals to report on its progress. The fields included in this message are:

- ELIGIBLE DEVICES - The total number of devices for which the specified action is being performed.
- DEVICES CHECKED - The number of devices for which the specified action has been performed and for which verification of the desired device state is either finalized or in progress.
- DEVICES COMPLETE - The number of devices for which the specified action has been performed and the desired device state has been verified.

- `DEVICES INCOMPLETE` - The number of devices for which the specified action has been performed but for which the desired device state has not yet been achieved.

Action

Use the reported values to monitor the progress of the #SC VOL command.

EMCCVF5I

```
SC VOL AWAITING COMPLETION FOR DEVICES:
syndv# - syndv#
```

Cause

This message follows message EMCCVF4I and is issued when the number of “DEVICES INCOMPLETE” reported in message EMCCVF4I is non-zero. Message EMCCVF5I identifies the PowerMax or VMAX devices which have not yet achieved the desired device status.

Action

Use the reported values to monitor the progress of the #SC VOL command.

EMCCVF6I

```
SC VOL RETRYING FOR INCOMPLETE DEVICES :
syndv#-syndv#
```

Cause

This message indicates a retry is being performed for the specified devices.

Action

None.

EMCCVF7E

```
SUSP_CGRP disallowed, ccuu is an FBA device
```

Cause

An #SC VOL command with the SUSP_CGRP action was issued, but the indicated CUU is an FBA device. The SUSP_CGRP action is not allowed for FBA devices.

Action

Select another device.

EMCCVF8I

```
DEVICE(S) EXCLUDED WITH SYNC DIRECTION OF NONE
```

Cause

An #SC VOL command has been issued to selected devices that have more than one synchronization direction. This message lists the devices that have a SYNCH_DIRECTION of NONE.

Action

If the OPERATOR_VERIFY is set to CRITICAL, see the description of message EMCCVF8R. Note that nothing happens to these devices since the SYNCH_DIRECTION is NONE.

EMCCVF9I

```
DEVICE(S) REQUESTED WITH SYNC DIRECTION OF R1>R2
```

Cause

An #SC VOL command has been issued to selected devices with more than one synchronization direction.

Action

If the OPERATOR_VERIFY parameter is set to CRITICAL, see the description of message EMCCVFBR. Note that these devices are sending data from the R1 to the R2.

EMCCVFAI

DEVICE(S) REQUESTED WITH SYNC DIRECTION OF R1<R2

Cause

An #SC VOL command has been issued to devices with more than one synchronization direction.

Action

If the OPERATOR_VERIFY parameter is set to CRITICAL, see the description of message EMCCVFBR. Note that these devices are sending data from the R2 to the R1.

EMCCVFCE

SEMI-SYNC IS NOT ALLOWED IN A BOX WITH FICON DIRECTORS

Cause

A SEMI_SYNC command was issued to a device in a storage system with FICON. FICON does not allow devices to be in SEMI-SYNC.

Action

None.

EMCCVFDI

Rmt devices skipped: TF/Clone session, locked, or in use

Cause

A command was issued to devices with a TimeFinder/Snap session on the remote devices. The devices with TimeFinder/Snap sessions are bypassed.

Action

None.

EMCCVFEI

LOCAL DEVICE(S) EXCLUDED BECAUSE OF TIMEFINDER DATASET SNAP

Cause

A command was issued to devices with a TimeFinder/Snap session on the local devices. The devices with TimeFinder/Snap sessions are bypassed.

Action

None.

EMCCVFFE

DEVICES BYPASSED BECAUSE R1 IS NOT TARGET NOT READY

Cause

A #SC VOL R/W command was issued to R2 devices that are ready on the link with the R1 device.

Action

Issue an #SC VOL RDF_SUSP command to the R1 devices before performing the #SC VOL R/W command on the R2s.

EMCCW01E

R1 and R2 on the same Symm

Cause

An #SC VOL command was issued with the CASCRES action. However, the local and remote devices of the resulting cascaded triplet would both reside on the same storage system. This configuration is not permitted, so the command has failed.

Action

Determine the intended device configuration and issue the necessary command.

EMCCW02E

Partner of R1 dev# not cascaded

Cause

An #SC VOL command was issued with a CASDEL, CASSWAP, CASRSUM, or CASSUSP action. For such actions, the local device must be the R1 or R2 of a cascaded triplet and the partner of the local device must be a cascaded (R21) device. However, the partner of the local device whose device number appears in the message was not cascaded, so the command has failed.

Action

Determine the intended goal of the action and issue the necessary command.

EMCCW03E

No table memory, xxxxxxxx needed

Cause

Insufficient storage was available for the tables required to process the current command, so the command has failed.

Action

If issued during processing of an SRDF Host Component or batch interface command, run Host Component in a larger region. If issued during processing of a REXX interface command, run the batch job under which the command was issued in a larger region.

EMCCW04E

Local device symdv# will be R21, Enginuity level 5773 required

Cause

An #SC VOL command was issued with an action that would result in creation of a cascaded (R21) device. However, the device that would become R21 resides on a storage system at an operating environment level lower than 5773, the lowest level on which a cascaded device can be defined. Consequently, the command has failed. The device causing the error resides on the local storage system as specified by the command.

Action

Determine the intended configuration and issue the necessary command.

EMCCW05E

Rmt dev of symdv#:symdv# will be R21, Symm not 5x73

Cause

An #SC VOL command was issued with an action that would result in creation of a cascaded (R21) device. However, the device that would become R21 resides on a storage system at operating environment level lower than 5773, the lowest level on which a cascaded device can be defined. Consequently, the command has failed. The device causing the error resides on the remote storage system as specified by the command.

Action

Redetermine the intended configuration, and issue the necessary command.

EMCCW06E

```
Local device syndv# will be R22, Symm not 5874
```

Cause

An #SC VOL command was issued that would result in the creation of an R22 device. However, the indicated device resides on a storage system at operating environment level lower than 5874, the lowest level on which an R22 device can be defined. Consequently, the command has failed.

Action

Determine the intended configuration and issue the necessary command.

EMCCW07E

```
Rmt dev of syndv#:syndv# will be R22, Symm not 5874
```

Cause

An #SC VOL command was issued that would result in the creation of an R22 device. However, the indicated device resides on a storage system at operating environment level lower than 5874, the lowest level on which an R22 device can be defined. Consequently, the command has failed.

Action

Determine the intended configuration and issue the necessary command.

EMCCW08E

```
Local device syndv# will be R21, not supported
```

Cause

An #SC VOL command was issued with a CREATEPAIR, CASCRE, SWAP, or HSWAP action that would result in the creation of a cascaded (R21) device. However, creation of R21 devices is not supported on the configured system. Consequently, the command has failed.

Action

Determine whether your configuration is licensed for Cascaded SRDF support. If not, do not attempt to create cascaded devices. Otherwise, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

EMCCW09E

```
Rmt dev of syndv#:syndv# will be R21, not supported
```

Cause

An #SC VOL command was issued with a CREATEPAIR, CASCRE, SWAP, or HSWAP action that would result in the creation of an R21 device. However, creation of R21 devices is not supported on the configured system. Consequently, the command has failed.

Action

Determine whether your configuration is licensed for R21 device support. If not, do not attempt to create such devices. Otherwise, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

EMCCW0AE

```
MOVEPAIR source group xx undefined
```

Cause

An #SC VOL command was issued for a MOVEPAIR action. During command validation, however, the specified source group was found to be undefined on the local storage system. Consequently, the command has failed.

Action

Verify that the SRDF group specified as the source group in the command was correctly specified. If so, ensure that the SRDF group is defined. Note that a lost connection between the local and remote storage systems can result in an SRDF group appearing to be undefined. As appropriate, either change the SRDF group specified in the command, define the SRDF group, or restore the lost link. Then reissue the (possibly modified) command.

EMCCW0BE

```
MOVEPAIR denied, target group xx
```

Cause

An #SC VOL command was issued for a MOVEPAIR action. However, during command validation, the specified target group was found to be undefined on the local storage system. Consequently, the command has failed.

Action

Verify that the SRDF group specified as the target group in the command was correctly specified. If so, ensure that the SRDF group is defined. Note that a lost connection between the local and remote storage systems can cause an SRDF group to appear to be undefined. As appropriate, change the SRDF group specified in the command, define the SRDF group, or restore the lost link. Then reissue the (possibly modified) command.

EMCCW0CE

```
MOVEPAIR denied, Rmt RDF groups on different Symms
```

Cause

An #SC VOL command was issued for a MOVEPAIR action. However, during command validation, it was found that different storage systems are associated with the source and target SRDF groups' other-side SRDF groups. Since this is not permitted for a MOVEPAIR action, the command has failed.

Action

Respecify the target SRDF group so it conforms to MOVEPAIR requirements.

EMCCW0DE

```
MOVEPAIR denied, SRDF/A active in RDF group srdfgrp
```

Cause

An #SC VOL command was issued for a MOVEPAIR action. However, during command validation, it was found that SRDF/A is active on the specified target SRDF group. Moving a device pair into an SRDF group with SRDF/A active requires either that tolerance mode be on for the SRDF group or that the CEXMPT option be specified in the command. Since neither of these requirements was met, the command has failed.

Action

If appropriate, set tolerance mode on for the SRDF/A session by means of the SC SRDFA command with the TOL_ON action. Otherwise, you may specify the CEXMPT option in the #SC VOL command.

EMCCW0EE

```
MOVEPAIR Lcl Symm not 5773 or higher
```

Cause

An #SC VOL command was issued for a MOVEPAIR action. However, during command validation, it was found that the local storage system for the command is not at Enginuity 5773 or a later level of the operating environment. The minimum level at which the MOVEPAIR action is supported is 5773. Consequently, the command has failed.

Action

You may achieve the desired results by suspending and deleting the device pairs in the specified source group and then recreating the device pairs in the specified target group. However, it may be appropriate to define needed device pairs on a storage system with Enginuity 5773 or a later level of the operating environment so that this procedure is not necessary.

EMCCW0FE

```
MOVEPAIR Rmt Symm not 5773 or higher
```

Cause

An #SC VOL command was issued with a MOVEPAIR action. However, during command validation, it was found that the remote storage system for the command is not at Enginuity 5773 or a later level of the operating environment. The minimum level at which the MOVEPAIR action is supported is 5773. Consequently, the command has failed.

Action

You may achieve the desired results by suspending and deleting the device pairs in the specified source group and then recreating the device pairs in the specified target group. However, it may be appropriate to define needed device pairs on a storage system with Enginuity 5773 or a later level of the operating environment so that this procedure is not necessary.

EMCCW10E

```
Local device symdv# will be R22, not supported
```

Cause

An #SC VOL command was issued with a CREATEPAIR, CASCRE, SWAP, or HSWAP action that would result in the creation of an R22 device. However, creation of R22 devices is not supported on the configured system. Consequently, the command has failed.

Action

Determine whether your configuration is licensed for R22 device support. If not, do not attempt to create such devices. Otherwise, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

EMCCW11E

```
Rmt device of symdv#:symdv# will be R22, not supported
```

Cause

An #SC VOL command was issued with a CREATEPAIR, CASCRE, SWAP, or HSWAP

action that would result in the creation of an R22 device. However, creation of R22 devices is not supported on the configured system. Consequently, the command has failed.

Action

Determine whether your configuration is licensed for R22 device support. If not, do not attempt to create such devices. Otherwise, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

EMCCW12E

```
Cascaded pair syndv#:syndv#:syndv# not in ADD mode
```

Cause

An #SC VOL command with a CREATEPAIR action was issued that would result in the creation of a cascaded (R21) device. However, the device that would become an R21 device is currently a non-diskless R1 of a pair that is not in ADCOPY_DISK mode. It is a requirement that an R21-R2 pair in which the R21 device is not diskless must be in ADCOPY_DISK mode, so the command has failed.

Action

Set the existing pair to ADCOPY-DISK mode by means of an #SC VOL command with an ADCOPY_DISK action. Then reissue the #SC VOL command with the CREATEPAIR action.

EMCCW13E

```
R1 device syndv# will be R21, ADCOPY_DISK required
```

Cause

An #SC VOL command with a CREATEPAIR action was issued that would result in the creation of a cascaded (R21) device. However, each of the listed devices that would become an R21 device is currently a non-diskless R2 of an existing pair. It is a requirement that an R21-R2 pair in which the R21 device is not diskless must be in ADCOPY_DISK mode, but the ADCOPY_DISK option was not specified, so the command has failed.

Action

Reissue the #SC VOL command with the CREATEPAIR action specifying the ADCOPY_DISK option.

EMCCW14E

```
Local device syndv# and remote device syndv# both R1
```

Cause

An #SC VOL command was issued with an action which applies to devices forming a valid pair. However, it was determined during command validation that each of the listed local devices regards itself as an R1 on the applicable mirror and its partner on that mirror as an R2. Each corresponding remote device likewise regards itself as an R1 on the applicable mirror and its partner on that mirror as an R2. Thus, the devices do not form a valid pair, so the command has failed.

Action

Determine the reason that the listed devices are not properly paired. Depending on the action being attempted, it may be possible to accomplish the desired result by means of an appropriate half action (HSWAP, HMOVEPAIR, or HDELETEPAIR).

EMCCW15E

```
Local device syndv# and remote device syndv# both R2
```

Cause

An #SC VOL command was issued with an action which applies to devices forming a valid pair. However, it was determined during command validation that each of the listed local devices regards itself as an R2 on the applicable mirror and its partner on that mirror as an R1. Each corresponding remote device likewise regards itself as an R2 on the applicable mirror and its partner on that mirror as an R1. Thus, the devices do not form a valid pair, so the command has failed.

Action

Determine the reason that the listed devices are not properly paired. Depending on the action being attempted, it may be possible to accomplish the desired result by means of an appropriate half action (HSWAP, HMOVEPAIR, or HDELETEPAIR).

EMCCW16E

```
Local device syndv# has invalid tracks
```

Cause

An #SC VOL command was issued with a dynamic SRDF action, and the indicated device is within the device range specified. However, the device has invalid tracks and the FORCE option was not specified, and the specified action cannot be performed on a device with a non-zero invalid track count unless the FORCE option is specified. Consequently, the command has failed for the specified device.

Action

Reissue the command specifying the FORCE option.

EMCCW17E

```
Remote device of syndv#:syndv# has invalid tracks
```

Cause

An #SC VOL command was issued with a dynamic SRDF action, and the indicated device pair is within the device range specified. However, the remote device of the pair has invalid tracks and the FORCE option was not specified, and the specified action cannot be applied to a device with a non-zero invalid track count unless the FORCE option is specified. Consequently, the command has failed for the specified device.

Action

Reissue the command specifying the FORCE option.

EMCCW18E

```
R1 device syndv# not suspended
```

Cause

An #SC VOL command was issued with a HDELETEPAIR, HMOVEPAIR, or HSWAP action, and the indicated device is within the device range specified. However, the device is an R1 and not suspended, which is required for the action to proceed. Consequently, the command has failed for the specified device.

Action

Reissue the command after suspending the device via the RDF_SUSP action.

EMCCW19E

```
Lcl dev syndv# needs concurrent, unavailable
```

Cause

An #SC VOL command was issued with a CREATEPAIR, and the indicated device is within

the device range specified. However, the device already has a remote mirror and resides on a storage system on which the Concurrent SRDF feature is unavailable. Consequently, the command has failed for the specified device.

Action

Do not attempt to create concurrent devices on a storage system on which the Concurrent SRDF feature is unavailable. If you believe this message was issued in error, use the #SQ CNFG command for the storage system to determine whether the feature is present. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

EMCCW1AE

```
CREATEPAIR denied, SRDF/A active in RDF group srdfgrp
```

Cause

An #SC VOL command was issued for a CREATEPAIR action. However, during command validation it was found that SRDF/A is active on the specified SRDF group in which the pair will be created. Creating a new device pair in an SRDF group with SRDF/A active requires either that tolerance mode be on for the SRDF group or that the CEXMPT option be specified in the command. However, neither of these requirements was met. Consequently, the command has failed.

Action

If appropriate, set tolerance mode on for the SRDF/A session by means of the #SC SRDFA command with the TOL_ON action. Otherwise, you may specify the CEXMPT option in the #SC VOL command.

EMCCW1BE

```
R22 device dev# not validated, cannot be activated
```

Cause

An #SC VOL command was issued for an action whose completion involves the resumption of SRDF activity of a device pair. However, the secondary device of the pair is an R22 for which the R2 mirror participating in the action is inactive. Validation of the R22 to ensure the existence of a unique R11 source device for both R2 mirrors has failed. Consequently, activation of the participating R2 mirror cannot take place, and the command fails for the indicated device.

Action

Configure the R22 so that validation will succeed. Validation of R22 devices is described in the *SRDF Host Component for z/OS Product Guide*. Once this has been done, reissue the command.

EMCCW1CE

```
Lock not available for local device
```

Cause

An #SC VOL command was issued for a dynamic SRDF action, and validation has completed successfully. However, during device locking prior to perform the action, a lock for a local device to be affected by the action was unavailable. Consequently, the command has failed.

Action

Contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

EMCCW1DE

```
Lock not available for remote device
```

Cause

An #SC VOL command was issued for a dynamic SRDF action, and validation has completed successfully. However, during device locking prior to perform the action, a lock for a remote device to be affected by the action was unavailable. Consequently, the command has failed.

Action

Contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

EMCCW1EE

```
TF/SNAP lock query failed, data xxxxxxxx
```

Cause

An #SC VOL command was issued with a dynamic SRDF action, for which device locks must be verified as available, obtained, and verified prior to processing the requested action. However, attempts to verify that the device locks are available or that device locks were successfully obtained for all eligible devices have been unsuccessful. Consequently, the command has failed.

Action

Reissue the failing command. If the command fails with this same error after repeated attempts, contact the Dell EMC Customer Support Center, providing the data found in the message.

EMCCW1FE

```
TF/SNAP lock free failed
```

Cause

An #SC VOL command was issued with a dynamic SRDF action, for which device locks must be obtained and verified prior to processing the requested action and freed once the action has completed (successfully or unsuccessfully). However, attempts to free one or more device locks that were successfully obtained earlier have been unsuccessful. This message does not indicate that the command has failed.

Action

No action is needed with regard to the current command. If subsequent commands fail due to inability to obtain a device lock, however, it may be necessary to contact the Dell EMC Customer Support Center in freeing one or more device locks.

EMCCW20E

```
Rmt dev of symdv#:symdv# needs concurrent, unavailable
```

Cause

An #SC VOL command was issued with a CREATEPAIR action, and the indicated device pair is within the device range specified. However, the remote device of the pair to be created already has a remote mirror and resides on a storage system on which the Concurrent SRDF feature is unavailable. Consequently, the command has failed for the specified device.

Action

Do not attempt to create concurrent devices on a storage systems on which the Concurrent SRDF feature is unavailable. If you believe this message was issued in error, use the SQ CNFG command for the storage system in question to determine whether the feature is present. If necessary, contact the Dell EMC Customer Support Center. Ensure

that you have all relevant job documentation available.

EMCCW21E

```
Path invalid or link down
```

Cause

An #SC VOL command was issued with a dynamic SRDF or composite action. During command processing, access to the local or remote storage system was found to be unavailable. This may have been caused by specification of an invalid hop list in the command or by unavailability of a link. In either case, the path to the required storage system cannot be traversed, so the command fails.

Action

Verify the hop list specified in the failing command, group by group, to ensure that the hop list is valid. Issue #SQ LINK commands to determine availability of remote links. Issue #SQ RDFGRP commands to ensure that the groups specified in the hop list are online. If necessary, contact the Dell EMC Customer Support Center.

EMCCW22E

```
{Lcl|Rmt} group srdfgrp is {Star|SQAR}, NOCOPY option is NO
```

Cause

An #SC VOL command was issued with a CREATEPAIR action. The SRDF group specified for the CREATEPAIR is a group on which SRDF/Star or SRDF/SQAR is active. However, the ALLOW_CRPAIR_NOCOPY initialization parameter is set to NO, so the command has failed.

Action

If appropriate, specify the value YES for the ALLOW_CRPAIR_NOCOPY initialization parameter, refresh the parameters, and reissue the command. Alternatively, you can deactivate SRDF/Star or SRDF/SQAR on the indicated SRDF group and reissue the command.

EMCCW23E

```
{Lcl|Rmt} group srdfgrp not {Star|SQAR}, NOCOPY not YES
```

Cause

An #SC VOL command was issued with the CREATEPAIR action specifying the NOCOPY option. However, the SRDF group in which new device pairs will be created is not a Star or SQAR SRDF group, and consequently the NOCOPY option is valid only when the ALLOW_CRPAIR_NOCOPY initialization parameter is set to YES. Since this is not the case, the command has failed.

Action

Reissue the command after either doing one of the following:

- Remove the NOCOPY option from the command, specifying ALLOW_CRPAIR_NOCOPY=YES in the SRDF Host Component initialization parameters and performing a parameter refresh action, specifying a different SRDF group in the command on which SRDF/Star or SRDF/SQAR is active.
- Activate SRDF/Star or SRDF/SQAR on the SRDF group that was specified

EMCCW24E

```
{Lcl|Rmt} group srdfgrp is STAR/STAR-A/SQAR, option not specified
```

Cause

An #VOL command was issued with the CREATEPAIR or DELETEPAIR action. However, the SRDF group in which new device pairs will be created or deleted is an SRDF/Star, Star-A, or SQAR group but the STAR, STAR-A, or SQAR option was not specified. Consequently the command has failed.

Action

Reissue the command after either specifying STAR, STAR-A, or SQAR for the option in the command, specifying a different SRDF group on which SRDF/Star, Star-A, or SQAR is not active, or deactivating SRDF/Star, Star-A, or SQAR on the SRDF group that was specified.

EMCCW25E

```
{Lcl|Rmt} grp srdfgrp not {Star|SQAR} recovery, DIFFERENTIAL
invalid
```

Cause

An #SC VOL command was issued with the CREATEPAIR action and the DIFFERENTIAL option was specified. However, the SRDF group in which new device pairs will be created is not a Star or SQAR recovery SRDF group, and the DIFFERENTIAL option applies only to such SRDF groups. Consequently the command has failed.

Action

Reissue the command after either removing the DIFFERENTIAL option from the command or specifying a different SRDF group which is a Star or SQAR recovery group.

EMCCW26E

```
Range end dev symdv# beyond max on symmserial
```

Cause

An #SC VOL command was issued for a CASCRE or CREATEPAIR action. However, during command validation, it was determined that the local or remote device range (or for the CASCRE action, the far device range) included one or more device numbers which exceeded the highest device number on one of the participating storage systems. This situation would result in the attempted pairing of non-existent devices. Consequently, the command has failed.

The device number in the message is the highest in the range specified in or implied by the command parameters, and the storage system serial number is that of the storage system on which the indicated device number was found not to be defined.

Action

Ensure that the gatekeeper and SRDF groups specified in the command are correct. If so, determine the range of devices genned on the storage systems participating in the command, and adjust the device numbers specified in the command accordingly.

EMCCW27E

```
Cannot ascertain SRDF/A status for RDF group srdfgrp
```

Cause

An #SC VOL action was entered in which an SRDF group was specified. Validation of the action requires determining whether SRDF/A is active on the specified SRDF group, and if so, the status of SRDF/A session attributes. However, SRDF/A status on the SRDF group could not be determined, so the action has failed.

Action

Using the #SQ RDFGRP and #SQ SRDFA commands, determine whether any unusual conditions are present. If so, attempt to resolve the problem and reissue the command. If

unable to resolve the problem, contact the Dell EMC Customer Support Center.

EMCCW28E

```
No eligible device triplets found
```

Cause

An #SC VOL command was issued for a composite action which acts on cascaded device triplets. However, no device triplets were found that met eligibility requirements for the action. Messages are issued indicating the reasons for which individual devices or device triplets were deemed ineligible for the action.

Action

Examine the messages giving the reasons for device ineligibility and follow the actions for each such message as appropriate.

EMCCW29E

```
Local device syndv# not an RDF device
```

Cause

An #SC VOL command was issued with a dynamic SRDF action other than CREATEPAIR or CASCRE, that is, an action which applies to device pairs or cascaded device triplets. However, the indicated device is not paired with another device, and consequently is ineligible for the action. The action has failed.

Action

Do not issue the command against unpaired devices.

EMCCW2AE

```
Device syndv# in offline or undefined RDF group srdfgrp
```

Cause

An #SC VOL command was issued. However, during command validation, it was determined that the SRDF group of the device mirror on which the command will act is either offline or undefined. Since the SRDF group state does not meet the applicable requirement, the command has failed for the indicated device.

For dynamic SRDF actions that are half actions, it is permitted for the SRDF group of interest to be offline, but for all other actions the SRDF group must be both defined and online.

Action

Ensure that the SRDF group has been specified correctly in the command. If so, examine the SRDF group state by issuing the #SQ RDFGRP command. If the SRDF group is offline, determine the state of the remote link directors associated with the SRDF group. Once having brought the SRDF group online, reissue the command.

EMCCW2BE

```
RESUMEPAIR denied, SRDF/A active in RDF group srdfgrp
```

Cause

An #SC VOL command was issued for a RESUMEPAIR action. However, during command validation it was found that SRDF/A is active on the specified SRDF group from which the RESUMEPAIR action was issued. Issuing a RESUMEPAIR action on an SRDF group with SRDF/A active is not allowed. Consequently, the command has failed.

Action

If appropriate, deactivate SRDFA on the SRDF group and reissue the RESUMEPAIR.

EMCCW2CE

```
Lcl R21 symdv# remote mirrors on same Symm
```

Cause

An #SC VOL command was issued with a SWAP, HSWAP, or CREATEPAIR action. However, during command validation, it was determined that the command would result in creation of an R21, both of whose remote mirrors would reside on the same storage system. This loopback condition is not permitted. Consequently, the command has failed.

Action

Do not attempt to configure an R21 in this way.

EMCCW2DE

```
Rmt R21 of symdv#:symdv# remote mirrors on same Symm
```

Cause

An #SC VOL command was issued with a SWAP, HSWAP or CREATEPAIR action. However, during command validation, it was determined that the command would result in the creation of an R21, both of whose remote mirrors would reside on the same storage system. This loopback condition is not permitted. Consequently, the command has failed.

Action

Do not attempt to configure an R21 in this way.

EMCCW2EE

```
R21 device symdv# valid in Env 1 only
```

Cause

An #SC VOL command was issued with a composite (CASxxxx) action specified. However, a device which is remote in environment 1 and local in environment 2 has failed validation in environment 2. Consequently, the command has failed for the specified device. An example of a situation that could cause this error is a CASDEL action in which the remote partner of a local device in the range is not a cascaded device.

Action

Determine and correct the reason for the inconsistency. Then reissue the command, if still desired.

EMCCW2FE

```
R21 device symdv# valid in Env 2 only
```

Cause

An #SC VOL command was issued with a composite (CASxxxx) action specified. However, a device which is remote in environment 1 and local in environment 2 has failed validation in environment 1. Consequently, the command has failed for the specified device. An example of a situation that could cause this error is a CASCRE action in which a device in the local range is already an SRDF device (that is, already has a remote mirror).

Action

Determine and correct the reason for the inconsistency. Then reissue the command, if still desired.

EMCCW30E

```
Rmt dev of symdv#:symdv# not an RDF device
```

Cause

An #SC VOL command was issued with a dynamic SRDF action other than CREATEPAIR or CASCRES; that is, an action which applies to existing device pairs or cascaded device triplets. However, the indicated device is not paired with another device, and consequently is ineligible for the action. The action has failed.

Action

Do not issue the command against unpaired devices.

EMCCW31E

```
Invalid hop list xxxxxxxxxxxxxxxxx specified
```

Cause

A dynamic SRDF request passed to the API via a program interface includes a hop list that is incompatible with other parameters in one of the following ways:

- a hop list that purports to represent a remote storage system is actually a local hop list, starting with x'FF'.
- a hop list that represents a path to a local storage system includes eight hops, precluding generation of a hop list to the remote storage system.

As a result, processing cannot proceed, and the command fails.

Action

Contact the Dell EMC Customer Support Center, providing whatever diagnostic output is available.

EMCCW32E

```
Specified group srdgrp does not match existing mirror
```

Cause

An #SC VOL command was issued specifying the LCL or RMT parameter and a dynamic SRDF action other than CREATEPAIR or CASCRES, that is, an action which applies to existing device pairs or cascaded device triplets. However, the indicated device does not have a remote mirror in the SRDF group specified or defaulted to in the LCL or RMT parameter, and consequently is ineligible for the action. The action has failed.

Action

Do not issue the command against unpaired devices.

EMCCW33E

```
Local device symdv# not dynamic {R1|R2}
```

Cause

An #SC VOL command was issued with a dynamic SRDF action, and the indicated device is within the device range specified. However, that device is not capable of assuming the indicated R1 or R2 personality, which is required for the action. Consequently, the command has failed for the specified device.

Action

Do not issue the command against devices incapable of assuming the required SRDF personality.

EMCCW34E

```
Rmt dev of pair symdv#:symdv# not dynamic {R1|R2}
```

Cause

An #SC VOL command was issued with a dynamic SRDF action, and the indicated device pair is within the device range specified. However, the remote device of the pair indicated is not capable of assuming the indicated R1 or R2 personality, which is required for the action. Consequently, the command has failed for the specified device.

Action

Do not issue the command against devices incapable of assuming the required SRDF personality.

EMCCW35E

Local device *syndv#* in use by LDMF

Cause

An #SC VOL command was issued with a dynamic SRDF action, and the indicated device is within the device range specified. However, that device is currently in use by z/OS Migrator (LDMF), during which the device's SRDF personality may not be changed. Consequently, the command has failed for the specified device. The indicated device is local in the action (or action environment, for composite actions).

Action

Wait until z/OS Migrator is no longer using the device. Then reissue the command.

EMCCW36E

Remote device of *syndv#*:*syndv#* in use by LDMF

Cause

An #SC VOL command was issued with a dynamic SRDF action, and the indicated remote device is within the device range specified. However, that device is currently in use by z/OS Migrator (LDMF), and the device's SRDF personality may not be changed while that is the case. Consequently, the command has failed. The device causing the error is the remote device of the indicated device pair.

Action

Wait until z/OS Migrator is no longer using the device. Then reissue the command.

EMCCW37E

Lcl/Rmt devices *syndv#* and *syndv#* sizes differ

Cause

An #SC VOL command was issued with a SWAP, CASSWAP, CREATEPAIR, or CASCRE action. However, the local and remote device sizes are not the same. The following rules apply regarding device sizes for these actions. If one or more of these rules is violated by the command, the command will fail for the specified device:

1. If the action is SWAP, different R1 and R2 device sizes are never allowed.
2. If the action is CASSWAP, the R1, R21, and R2 devices must all be equal.
3. If the action is CREATEPAIR, the device that will become R1 may never be larger than the device that will become R2. Moreover, if the ADSRDF option has not been specified in the command, different R1 and R2 device sizes are not allowed.
4. If the action is CASCRE, the device that will become R1 may never be larger than the device that will become R21, and the device that will become R21 may never be larger than the device that will become R2. Moreover, if the ADSRDF option has not been specified in the command, or if the device to become R21 is diskless, the sizes of the three devices must be the same.

Action

If a CREATEPAIR action was requested for an R2 device larger than the R1 device but the ADSRDF option was not specified, reissue the command specifying the ADSRDF option.

EMCCW38E

```
Local device symdv# already RDF in group srdfgrp
```

Cause

An #SC VOL command was issued with a CREATEPAIR action. However, the indicated local device already has a remote mirror in the SRDF group specified in the command (either subparameter 2 of the LCL parameter or the specified or default subparameter 3 of the RMT parameter). A device may have no more than one remote mirror in a specific SRDF group. Consequently, the command has failed for the specified device.

Action

If the SRDF group specified in the command is incorrect, reissue the command with the corrected SRDF group number. Otherwise, examine the device configuration to determine why the conflict exists.

EMCCW39E

```
Rmt dev of symdv#1:symdv#2 already RDF in group srdfgrp
```

Cause

An #SC VOL command was issued with a CASCRE or CREATEPAIR action. However, the remote device indicated by *symdv#2* already has a remote mirror in the other-side SRDF group of the SRDF group specified in the command (subparameter 2 of the LCL parameter, or the specified or default subparameter 3 of the RMT parameter). A device may have no more than one remote mirror in a specific SRDF group. Consequently, the command has failed for the specified device.

Action

If the SRDF group specified in the command is incorrect, reissue the command with the corrected SRDF group number. Otherwise, examine the device configuration to determine why the conflict exists.

EMCCW3AE

```
FBA Meta device has generated run overflow
```

Cause

An #SC VOL command was issued with a dynamic SRDF action and the device range includes one or more FBA meta devices. An FBA meta device has more members than could be processed in a single syscall. Consequently, the action cannot be processed for this device.

Action

Contact the Dell EMC Customer Support Center for instructions on obtaining diagnostic information regarding this problem. Ensure that you have all relevant job documentation available.

EMCCW3BE

```
Device(s) did not change to expected state
```

Cause

An #SC VOL command was issued with a dynamic SRDF action. Following the corresponding syscall, each device is checked to verify that the device state is now as intended. However, one or more devices were found not to be in the intended state.

Consequently, the command is considered to have failed. Under certain circumstances, backout of devices that had been processed successfully prior to detection of the error will take place.

Action

Contact the Dell EMC Customer Support Center for instructions on obtaining diagnostic information regarding this problem. Ensure that you have all relevant job documentation available.

EMCCW3CE

```
variable_text  
or  
SYSCALL xxxx error yyyyyyyy
```

Cause

An error occurred during dynamic SRDF API processing. Numerous reasons for the error are possible, including a hardware malfunction, a configuration error, a change in device state during command processing, or a software error. The message will either be an explanation generated based on internal syscall or inlines return codes, or the raw syscall or inlines error code if the software was unable to make an exact determination. This message can be followed by message EMCCW3CI that provides more details on the error.

Action

Contact Dell EMC Customer Support for instructions on how to obtain additional diagnostic information that can be used to diagnose and correct the problem. Be prepared to provide software release levels, operating environment levels, the command entered, and all command output generated.

EMCCW3CI

```
error-text
```

Cause

An error occurred requesting Symmetrix services through the syscall interface. The error translation routine was able to recognize the return code. The *error-text* indicates the cause of the error.

Action

Check the state of the device as indicated in the *error-text*.

EMCCW3DE

```
Error checking device status after inline
```

Cause

An #SC VOL command was issued with a CREATEPAIR or CASCRE dynamic SRDF action. Although device pairs were successfully created, and one or more inline commands were issued to perform device synchronization as required, the program was unable to determine whether the inline commands were successful.

Action

Examine messages to determine if processing was successful for any devices. Query the status of any devices that are listed as eligible but not as having been processed successfully. If you cannot complete processing by issuing further commands, contact Dell EMC Customer Support for instructions on obtaining diagnostic output to help resolve the problem. Be prepared to provide software release levels, operating environment levels, the command entered, and all command output generated.

EMCCW3EE

```
xxxxxx lock for local device: symdv# is held by zzzzzzzz
```

Cause

When executing #SC VOL command, it was determined that one of the devices is in use by a process indicated by xxxxxx. Since the SRDF state of such a device may not be changed, the action fails.

xxxxxx is 'FMLM' for device lock #15 or 'SYMAPI' for device lock #9. (There can be other values.)

zzzzzzzz is the OPER code for the process that holds the lock.

Action

Wait for the indicated processing to complete and retry the command.

EMCCW3FE

```
FMLM lock not available for remote device: symdv#
```

Cause

An #SC VOL command was issued with a dynamic SRDF action. Validation was successful, but when attempting to lock remote devices in advance of processing the action, it was determined that one of the devices is in use by a migration process. Since the SRDF state of such a device may not be changed, the action fails.

Action

Wait for migration processing to complete and retry the command.

EMCCW40E

```
R1 of symdv#1:symdv#2 not TNR, KEEPR2 requested
```

Cause

An #SC VOL command was entered with the CREATEPAIR or CASCRE action and the KEEPR2 option was specified. However, the local device indicated by *symdv#1* is in the device range and is already the R1 device of an existing device pair which is not suspended. The KEEPR2 option is not valid in this situation, so the command has failed.

Action

Issue an #SC VOL command to the R1 device of the existing pair with the RDF_SUSP action to suspend the existing pair. Then reissue the command that failed.

EMCCW41E

```
R1 of symdv#1:symdv#2 not TNR, KEEPR2 requested
```

Cause

An #SC VOL command was entered with the CREATEPAIR or CASCRE action and the KEEPR2 option was specified. However, the remote device indicated by *symdv#2* is in the device range and is already the R1 device of an existing device pair which is not suspended. The KEEPR2 option is not valid in this situation, so the command has failed.

Action

Issue an #SC VOL command to the R1 device of the existing pair with the RDF_SUSP action to suspend the existing pair. Then reissue the command that failed.

EMCCW42E

```
Group not specified for concurrent R1 symdv#
```

Cause

An #SC VOL command was issued with a dynamic SRDF action which acts on R1 devices, and the indicated device is within the device range specified. However, the device has two R1 remote mirrors, and no SRDF group was specified in the command that would allow determination of the remote mirror to act upon. Consequently, the command has failed for the specified device.

Action

Reissue the command specifying the LCL parameter with the SRDF group of the device on which the command should act.

EMCCW43E

```
Dynamic RDF unsupported on {Lcl|Rmt} Symm symmserial
```

Cause

An #SC VOL command was issued with a dynamic SRDF action. However, one or more devices that will be affected by the action reside on the indicated storage system, which does not support dynamic SRDF. Consequently, the command has failed.

Action

Do not attempt to perform dynamic SRDF actions on devices residing on a storage system not supporting them. Verify that the gatekeeper or an SRDF group number has been correctly specified in the command. Otherwise, if the dynamic SRDF feature is a licensed feature on the storage system in question, consider acquiring a license for the dynamic SRDF feature on that storage system. If the dynamic SRDF feature is unavailable on the storage system, consider an alternate configuration that will allow needed dynamic SRDF functions.

EMCCW44E

```
No free mirror position for Lcl dev symdv#
```

Cause

An #SC VOL command was issued with a CASCRE or CREATEPAIR action. However, the local device indicated by *dev#* already has two remote mirrors, and the action requires an unused remote mirror position. Since a device may have no more than two remote mirrors, the command has failed for the specified device.

Action

Do not attempt to create a device pair specifying a device that already has two remote mirrors in use. Investigate the possibility that the gatekeeper or an SRDF group number has been specified incorrectly in the command.

EMCCW45E

```
No free mirror position for Rmt dev of symdv#1:symdv#2
```

Cause

An #SC VOL command was issued with a CASCRE or CREATEPAIR action. However, the remote device indicated by *symdv#2* already has two remote mirrors, and the action requires an unused remote mirror position. Since a device may have no more than two remote mirrors, the command has failed for the specified device.

Action

Do not attempt to create a device pair specifying a device that already has two remote mirrors in use. Investigate the possibility that the gatekeeper or an SRDF group number has been specified incorrectly in the command.

EMCCW46E

```
RDF device pair syndv#:syndv# not suspended
```

Cause

An #SC VOL command was issued with a dynamic SRDF action requiring device pairs that will be affected by the action to be suspended. However, the indicated device pair is not suspended. Consequently, the command has failed.

Action

Issue an #SC VOL command with the RDF_SUSP action to suspend SRDF activity on the device pair. Then reissue the command that failed.

EMCCW47E

```
Local device syndv# not dynamic
```

Cause

An #SC VOL command was issued with a dynamic SRDF action that will affect the local device indicated. However, that device is not enabled for dynamic SRDF. Consequently, the command has failed for the indicated device.

Action

Do not attempt dynamic SRDF actions against devices not enabled for dynamic SRDF. Verify that the correct gatekeeper or SRDF group has been specified in the command. Alternatively, investigate the possibility that the storage system on which the device resides has been incorrectly configured. When the problem has been resolved, reissue the failing command.

EMCCW48E

```
Rmt dev of syndv#1:syndv#2 not dynamic
```

Cause

An #SC VOL command was issued with a dynamic SRDF action that will affect the remote device indicated by *syndv#2*. However, that device is not enabled for dynamic SRDF. Consequently, the command has failed for the indicated device.

Action

Do not attempt dynamic SRDF actions against devices not enabled for dynamic SRDF. Verify that the correct gatekeeper or SRDF group has been specified in the command. Alternatively, investigate the possibility that the storage system on which the device resides has been incorrectly configured. When the problem has been resolved, reissue the failing command.

EMCCW49E

```
RDF group srdfgrp offline or undefined
```

Cause

An #SC VOL command was issued with a dynamic SRDF action that requires remote device access via the indicated SRDF group. However, that SRDF group is either undefined or offline. Consequently, the command has failed.

Action

Determine the status of the SRDF group by issuing the #SQ RDFGRP command. Determine whether the remote link directors associated with the SRDF group are physically or logically disconnected with the remote storage system. When the problem has been resolved, reissue the failing command.

EMCCW4AE

```
CREATEPAIR: NOCOPY, DIFFERENTIAL mutually exclusive
```

Cause

An #SC VOL command with the CREATEPAIR or CASCRE action was issued, and both the NOCOPY and DIFFERENTIAL options were specified. However, these options are inconsistent and may not be specified together. Consequently, the request fails.

Action

Determine whether no synchronization is required or whether only synchronization of changed tracks is required, and specify the appropriate option accordingly.

EMCCW4BE

```
Diskless symdv#:symdv#, SRDF/A xx, denied
```

Cause

An #SC VOL command with the CREATEPAIR or MOVEPAIR action was issued. The action was unsuccessful for the pair indicated in the message. Depending upon the command, the local device may be a diskless device (if LCLISR1 was specified or defaulted) or a diskless R1 device in a pair whose SRDF group is to be changed. Alternatively, the remote device may be a diskless device being paired (if LCLISR2 was specified) or a diskless R1 device whose SRDF group is to be changed. In either case, there is an active SRDF/A session on the target SRDF group of the action, and this SRDF/A session has non-diskless devices. The action would thus result in an SRDF/A session with both diskless and non-diskless device, which is not permitted. Consequently, the action has failed.

Action

Check that the correct gatekeeper, SRDF group, and devices were specified in the command. If all parameters are correct, examine your configuration and select an appropriate course of action, bearing in mind the non-mixed device requirement of SRDF/A and your SRDF group composition requirements.

EMCCW4CE

```
Non-diskless symdv#:symdv#, SRDF/A xx, denied
```

Cause

An #SC VOL command with the CREATEPAIR or MOVEPAIR action was issued. The action was unsuccessful for the pair indicated in the message. Depending upon the command, the local device may be a non-diskless device (if LCLISR1 was specified or defaulted) or a non-diskless R1 device in a pair whose SRDF group is to be changed. Alternatively, the remote device may be a non-diskless device being paired (if LCLISR2 was specified) or a non-diskless R1 device whose SRDF group is to be changed. In either case, there is an active SRDF/A session on the target SRDF group of the action, and this SRDF/A session has diskless devices. The action would thus result in an SRDF/A session with both diskless and non-diskless device, which is not permitted. Consequently, the action has failed.

Action

Check that the correct gatekeeper, SRDF group, and devices were specified in the command. If all parameters are correct, examine your configuration and select an appropriate course of action, bearing in mind the non-mixed device requirement of SRDF/A and your SRDF group composition requirements.

EMCCW4DE

```
Rmt Symm mismatch for symmserial, do SCF refresh
```

Cause

An #SC VOL command requiring discovery of a remote device of a device pair was issued. While attempting discovery of the indicated remote storage system, an unexpected remote storage system was discovered instead, indicating that SCF was not refreshed following an SRDF group reconfiguration. Consequently, the command has failed.

Action

Issue the SCF INI,REFRESH command described in the *ResourcePak Base for z/OS Product Guide*.

EMCCW4EE

```
No xxxxx ELM on symmserial, rcrs nnnnnnnn
```

Cause

An #SC VOL command was issued with a dynamic SRDF action. Validation was successful, but it was determined that processing the command requires the presence of a feature (xxxx) which is not licensed for your site or on the indicated storage system. Consequently, the command fails and the reason code *nnnnnnnn* is issued.

Action

These reason codes may be issued when an attempt was made to access an unlicensed feature:

- 44 - ACCESS TO FEATURE CODE IS DENIED.
- 4A - DEPENDENCY CHECK FAILED. FOR CU PROCESSING A FEATURE'S DEPENDENT WAS DISABLED. DEPENDENT FEATURE IS IN KFIDEPFET.

This reason code is issued when a timeout has occurred. Issue the command again for processing.

- 62 - UNABLE TO OBTAIN THE STORAGE CHAIN LOCK. FEATURE AUTHORIZATION COULD NOT BE DETERMINED.

If you receive any other code, contact the Dell EMC Customer Support Center.

EMCCW50E

```
Invalid RDF group srdfgrp specified
```

Cause

An #SC VOL command was issued with a dynamic SRDF action that requires remote device access via the indicated SRDF group. However, remote access via that SRDF group is not available, either because the SRDF group number exceeds the maximum allowed for a storage system or because connectivity to a remote storage system could not be established. Consequently, the command has failed.

Action

Determine the status of the SRDF group by issuing command #SQ RDFGRP. Determine whether the remote link directors associated with the SRDF group are physically or logically disconnected with the remote storage system. When the problem has been resolved, reissue the failing command.

EMCCW51E

```
Active TimeFinder dataset on {Lcl|Rmt} device
```

Cause

An #SC VOL command was entered with a dynamic SRDF action. However, the command could not be processed for the device because TimeFinder is processing a dataset on the device.

Action

Wait until TimeFinder has finished processing. Then reissue the command that failed.

EMCCW52E

```
Lcl device syndv# FBA, Rmt device syndv# not FBA
```

Cause

An #SC VOL command was issued with a CASCRES or CREATEPAIR action, and during validation an attempt to pair an FBA meta device with a device that is not an FBA meta device was detected. Such a pairing is not allowed, so the command has failed for the specified device.

Action

Do not attempt to create a device pair consisting of an FBA meta device and a device with a different emulation type.

EMCCW53E

```
Lcl device syndv# not FBA, Rmt device syndv# FBA
```

Cause

An #SC VOL command was issued with a CASCRES or CREATEPAIR action, and during validation an attempt to pair an FBA meta device with a device that is not an FBA meta device was detected. Such a pairing is not allowed, so the command has failed for the specified device.

Action

Do not attempt to create a device pair consisting of an FBA meta device and a device with a different emulation type.

EMCCW54E

```
R2-to-be syndv# smaller than R1-to-be syndv#
```

Cause

An #SC VOL command was issued with a CASCRES or CREATEPAIR action which would result in the pairing of the indicated devices. However, the device that would become the secondary device in the pairing is smaller than the device that would become the primary device in the pairing. Such device pairs are prohibited, so the command has failed.

Action

Do not attempt to create a device pairs in which the secondary device size is less than the primary device size.

EMCCW55E

```
R1-to-be syndv# smaller than R2-to-be syndv#
```

Cause

An #SC VOL command was issued with a CASCRES or CREATEPAIR action which would result in the pairing of the indicated devices. However, the device that would become the primary device in the pairing is smaller than the device that would become the secondary device in the pairing, and the ADSRDF option was not specified in the command. Only equal-sized devices may be paired in this situation, so the command has failed.

Action

If the device pairing must take place, reissue the command specifying the ADSRDF option.

EMCCW56E

```
No eligible devices found
```

Cause

An #SC VOL command was issued. After phase 1 filtering, no devices remained to be processed. Other messages will have been issued indicating the reasons devices within the range specified in the command were deemed eligible. Note that certain device types may automatically be excluded from processing without messages being issued.

Action

Examine the messages to determine whether the command excluded devices you wish to process. If appropriate, take corrective action for these devices or modify the command as required.

EMCCW57E

```
Invalid {Lcl|Rmt} device syndv# in range
```

Cause

An #SC VOL command was issued with a CREATEPAIR or CASCRE action. The command specifies a local device range and a remote starting device number. Either one of the local devices in the local range or one of the remote devices in the implied remote range is not a valid device. Devices may be invalid because they are vault devices, null devices, or other devices that are not eligible for SRDF processing. Such devices may not be used to form device pairs. Consequently, the action fails.

Action

Query the devices in the local and remote range. Modify the entered command to remove null devices, and issue the modified command.

EMCCW58E

```
Rmt dev of syndv#:syndv# no mirr in RDF grp srdfgrp
```

Cause

An #SC VOL command was issued with a dynamic SRDF action which operates only on valid device pairs. To comply with the reciprocity requirements needed to validate a device pair, each device must have a remote mirror matching a remote mirror of the other device in both device number and SRDF group number. Since reciprocity requirements are not satisfied for the indicated devices, a valid device pair does not exist. Consequently, the command has failed for the specified devices.

Action

Investigate the possibility that an HMOVEPAIR or HDELETEPAIR action has been performed against one of the devices, destroying the paired relationship of the devices. Also verify that the gatekeeper or SRDF group number has been specified correctly in the command.

EMCCW59E

```
Local device syndv# must be R1
```

Cause

An #SC VOL command was issued with a dynamic SRDF action which operates only on or through local R1 devices. However, a local device in the range was not an R1 device. Consequently, the command has failed for the specified device.

Action

Do not issue the command against local devices that are not R1 devices.

EMCCW5AE

```
Lcl device syndv# has write pendings
```

Cause

An #SC VOL command was issued with an action that cannot be performed on a device if write pendings exist for the device. Write pendings may eventually be converted to invalid tracks, at which time the FORCE option can be used to cause the invalid tracks to be disregarded and the action processed. However, until there are no write pendings remaining for the device indicated, the action is disallowed.

Action

Reissue the command. If the write pendings persist, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCCW5BE

```
Rmt device of syndv#:syndv# has write pendings
```

Cause

An #SC VOL command was issued with an action that cannot be performed on a device if write pendings exist for the device. Write pendings may eventually be converted to invalid tracks, at which time the FORCE option can be used to cause the invalid tracks to be disregarded and the action processed. However, until there are no write pendings remaining for the device indicated, the action is disallowed.

Action

Reissue the command. If the write pendings persist, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCCW5CE

```
R2 device of syndv#:syndv# is write-enabled
```

Cause

An #SC VOL command was issued with the CASRSUM action. However, the R2 device of the pair being resumed is write-enabled (R/W state). This prevents the partner R1 device from being resumed, so the action fails with a validation error.

Action

If desired, you may set the device to a write-disabled state by issuing an #SC VOL command with the R/O action. Then reissue the original command.

EMCCW5DE

```
Resume denied, Lcl dev syndv# diskless
```

Cause

An #SC VOL command was issued with a non-composite resume action. The indicated local device is diskless, but this is not allowed for non-composite actions unless the RCVRY option is specified. As that is not the case, the action has failed.

Action

If appropriate, specify the RCVRY option and issue the modified command.

EMCCW5EE

```
Suspend denied, Lcl dev syndv# diskless
```

Cause

An #SC VOL command was issued with a non-composite suspend action. The indicated

local device is diskless, but this is not allowed for non-composite actions unless the RCVRY option is specifies. As that is not the case, the action has failed.

Action

If appropriate, specify the RCVRY option and issue the modified command.

EMCCW5FE

```
CUU to Symm dev run conversion error=xxxxxxx
```

Cause

An internal error. An SRDF Host Component command was issued with a CUU (z/OS device number) range but the parameter list to the API could not be validated. In the message, xxxxxxx indicates the reason for the error:

0000001 - The eyecatcher or the version number in the 1st run was not valid.

0000002 - There were no runs supplied with the request.

0000003 - The run length was bad.

0000004 - The eyecatcher in one or more subsequent runs was not valid.

0000005 - The start CUU was greater than the end CUU.

0000006 - A bad device count field was encountered in a run.

0000007 - A getmain failed in subpool 126.

0000008 - An error occurred building PowerMax or VMAX device number ranges.

Action

Retry the command. For reason code 0000007, try increasing the region size for the SRDF Host Component started task. If the error persists, collect the SRDF Host Component job log and the SCF trace information and contact EMC Technical Support for assistance.

EMCCW60E

```
Local device symdv# or mirror is SRDF/A
```

Cause

An #SC VOL command was issued with a dynamic SRDF action which is incompatible with SRDF/A devices, but a local device in the range was found to belong to an SRDF group on which an active SRDF/A session exists. Consequently, the command has failed for the specified device.

Action

Do not issue the command against local devices that are part of a device pair in an active SRDF/A session.

EMCCW61E

```
Lcl dev symdv# an FBA META head, Rmt dev symdv# not
```

Cause

An #SC VOL command was issued with a CASCRE or CREATEPAIR action, and during validation there was an attempt to pair an FBA meta head with a device that is not an FBA meta head. Such a pairing is not allowed, so the command has failed for the specified device.

Action

Do not attempt to create a device pair consisting of an FBA meta head and a device having a different emulation type.

EMCCW62E

```
FBA META dev count mismatch, Lcl symdv#, Rmt symdv#
```

Cause

An #SC VOL command was issued with a CASCRE or CREATEPAIR action, and during validation there was an attempt to pair two FBA meta heads having different device counts in the respective FBA meta groups. Such a pairing is not allowed, so the command has failed for the specified device.

Action

Do not attempt to create a device pair consisting of FBA meta heads with different meta group device counts.

EMCCW63E

```
FBA META stripe size mismatch, Lcl symdv#, Rmt symdv#
```

Cause

An #SC VOL command was issued with a CASCRE or CREATEPAIR action, and during validation there was an attempt to pair two FBA meta heads indicating different stripe sizes in the respective FBA meta groups. Such a pairing is not allowed, so the command has failed for the specified device.

Action

Do not attempt to create a device pair consisting of FBA meta heads with different meta group stripe sizes.

EMCCW64E

```
FBA META member size mismatch, Lcl symdv#, Rmt symdv#
```

Cause

An #SC VOL command was issued with a CASCRE or CREATEPAIR action, and during validation there was an attempt to pair two FBA meta heads indicating different member sizes in the respective FBA meta groups. Such a pairing is not allowed, so the command has failed for the specified device.

Action

Do not attempt to create a device pair consisting of FBA meta heads with different meta member sizes.

EMCCW65E

```
Unable to set environment 2 device ranges
```

Cause

An #SC VOL command was issued with a composite action. During setup of environment 2, an error was encountered preventing determination of the device ranges to be processed. Consequently, the command has failed.

Action

Ensure that a DEBUGDRDA DD statement is included in the SRDF Host Component JCL, and if the REXX interface is being used, include a DEBUGDRDA dd statement in the batch JCL as well. After recreating the error, save both the job log and DEBUGDRDA output from the SRDF Host Component started task, and if the REXX interface is being used, from the batch job as well. Contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

EMCCW66E

```
Local device symdv# in a ConGroup
```

Cause

An #SC VOL command was issued with an action that is not allowed for devices in an active consistency group. However, the indicated device, or one of its remote mirrors, does belong to an active consistency group, so the command has failed for the indicated device.

Action

Determine whether the continued operation of the consistency group to which the device belongs takes precedence over the need for the action and proceed accordingly.

EMCCW67E

```
Rmt dev of symdv#:symdv# is in a ConGroup
```

Cause

An #SC VOL command was issued with an action that is not allowed for devices in an active consistency group. However, the remote partner in the indicated device pair does belong to an active consistency group, so the command has failed for the indicated device pair.

Action

Determine whether the continued operation of the consistency group to which the device belongs takes precedence over the need for the action and proceed accordingly.

EMCCW68E

```
RDF-SUSP failed for symdv# (error-code) in CASSUSP
```

Cause

An #SC VOL command was issued with a CASSUSP action. The suspend action has failed. This message indicates the PowerMax or VMAX device number that encountered the error and the internal error code.

Action

If retrying the command is unsuccessful, contact the Dell EMC Customer Support Center for information on obtaining additional diagnostic output. Ensure that you have the text of the message available.

EMCCW69E

```
RDF-RSUM failed for symdv# (error-code) in CASSUM
```

Cause

An #SC VOL command was issued with a CASRSUM action. The resume action has failed. This message indicates the PowerMax or VMAX device number that encountered the error and the internal error code.

Action

If retrying the command is unsuccessful, contact the Dell EMC Customer Support Center for information on obtaining additional diagnostic output. Ensure that you have the text of the message available.

EMCCW6AE

```
RDF-SUSP error xxxxxxxx
```

Cause

An #SC VOL command was issued with a CASSUSP action. The suspend action has failed due to an unexpected program condition. The error number indicates the point in processing at which the error was detected.

Action

Contact the Dell EMC Customer Support Center. Ensure that you have the message available, including the error number. This is an internal error; you may be asked to obtain additional diagnostic output.

EMCCW6BE

```
RDF-RSUM error xxxxxxxx
```

Cause

An #SC VOL command was issued with a CASRSUM action. The resume action has failed due to an unexpected program condition. The error number indicates the point in processing at which the error was detected.

Action

Contact the Dell EMC Customer Support Center. Ensure that you have the error number available. This is an internal error; you may be asked to obtain additional diagnostic output.

EMCCW6CI

```
Device symdv# to be switched not R22
```

Cause

An #SC VOL command was issued with the R22SWTCH action. However, the indicated device is not R22, so the R22SWTCH action does not apply to it. Consequently, the device has been skipped.

Action

None.

EMCCW6DE

```
Resume denied, Rmt of symdv#:symdv# diskless
```

Cause

An #SC VOL command was issued with a non-composite resume action. The remote partner device of the indicated device pair is diskless, but this is not allowed for non-composite actions unless the RCVRY option is specified. As that is not the case, the action has failed.

Action

If appropriate, specify the RCVRY option and issue the modified command.

EMCCW6EE

```
Suspend denied, Rmt of symdv#:symdv# diskless
```

Cause

An #SC VOL command was issued with a non-composite suspend action. The remote partner device of the indicated device pair is diskless, but this is not allowed for non-composite actions unless the RCVRY option is specified. As that is not the case, the action has failed.

Action

If appropriate, specify the RCVRY option and issue the modified command.

EMCCW6FE

```
Local device symdv# or mirror not R2 as required
```

Cause

An #SC VOL command was issued with an action that must be issued to the secondary (R2) device of an SRDF pair. However, the device or mirror to which the command was directed is not a secondary device in the pair, so the action has failed.

Action

If appropriate, specify the RCVRY option and issue the modified command.

EMCCW70E

```
Local device symdv# or mirror not R1 as required
```

Cause

An #SC VOL command was issued with a dynamic SRDF action that must be directed to primary (R1) devices. However, the indicated device is not primary on the remote mirror which is participating in the action. Consequently, the command has failed for the indicated device.

Action

Ensure that the correct SRDF group has been specified in the command. If the SRDF group was allowed to default, either because neither the LCL nor the RMT keyword was specified or because the RMT keyword was specified but the third subparameter was omitted, ensure that the device is R1 on the default SRDF group. Verify that the correct gatekeeper or SRDF group has been specified in the command. When the cause of the problem has been determined, reissue the failing command after having made any necessary changes.

EMCCW71E

```
Local device symdv#, RDF group srdfgrp, in a ConGroup
```

Cause

An #SC VOL command was issued with an action that is not allowed for devices in an active consistency group. However, the indicated device, or one of its remote mirrors, does belong to an active consistency group. If the device resides on a PowerMax or VMAX system which supports mirror-level ConGroup, the command action was directed to the remote mirror identified by the SRDF group number appearing in the message and that mirror belongs to an active consistency group; otherwise, the device itself belongs to an active consistency group. The command has failed for the indicated device.

Action

Determine whether the continued operation of the consistency group to which the device belongs takes precedence over the need for the action and proceed accordingly.

EMCCW72E

```
Rmt dev of symdv#:symdv#, RDF group srdfgrp, is in a ConGroup
```

Cause

An #SC VOL command was issued with an action that is not allowed for devices in an active consistency group. However, the indicated device, or one of its remote mirrors, does belong to an active consistency group. If the device resides on a storage system which supports mirror-level ConGroup, the command action was directed to the remote mirror associated with the SRDF group number identified by xx in the message and that mirror belongs to an active consistency group. Otherwise, the device itself belongs to an active consistency group. In either case, the command has failed for the indicated device.

Action

Determine whether the continued operation of the consistency group to which the device or remote mirror belongs takes precedence over the need for the action and proceed accordingly.

EMCCW73E

R1-to-be *syndv#* larger than R2-to-be *syndv#*

Cause

An #SC VOL command was issued with a CREATEPAIR action which would result in the pairing of the indicated devices. However, the device that would become the R1 device in the pairing is larger than the device that would become the R2 device in the pairing. Such device pairs are prohibited, so the command has failed.

Action

Do not attempt to create device pairs in which the R1 device size exceeds the R2 device size.

EMCCW74E

R2-to-be *syndv#* larger than R1-to-be *syndv#*

Cause

An #SC VOL command was issued with a CREATEPAIR action which would result in the pairing of the indicated devices. However, the device that would become the R1 device in the pairing is smaller than the device that would become the R2 device in the pairing. Such device pairs are prohibited, so the command has failed.

Action

Do not attempt to create device pairs in which the R1 device size exceeds the R2 device size.

EMCCW76E

R22 mirror partners of *syndv#* are on same R11

Cause

An #SC VOL command was issued with a CREATEPAIR or SWAP action which would result in the creation of an R22. However, the partners of the two R2 remote mirrors of the R22, whose device number appears in the message, would be the same device, a prohibited configuration. Consequently, the command has failed.

Action

Determine the desired valid configuration, and issue the appropriate commands to realize that configuration. If appropriate, configure a cascaded device between the intended R11 and the intended R22.

EMCCW7AE

Rmt range break at *syndv#*:*syndv#* (*syndv#*)

Cause

An #SC VOL command was issued with a CREATEPAIR or CASCRE dynamic SRDF action. However, the remote devices corresponding to a contiguous local range are themselves not a contiguous device range. This is most likely due to the presence of a null device in the range of remote devices, or for CASCRE, the far devices. The command supplies the pair that would be created if there were no break in the remote device range, with the actual next remote device number found in parentheses.

Action

Verify that the gatekeeper, SRDF group, and device number in the command are correct. If they are, modify the command. A null device may not be present in either the local or remote device range of a CREATEPAIR or CASCRE action. You may wish to review the

device configuration of the storage system on which the range break was found.

EMCCW7BE

```
symdv#:symdv# would be FBA Meta/non-Meta pair
```

Cause

An #SC VOL command with a CREATEPAIR or CASCRE action was issued. The indicated devices could not be paired because one of the devices to be paired is an FBA meta device and the other is an FBA non-meta device. Consequently, the action has failed.

Action

Do not attempt to pair FBA meta devices with FBA non-meta devices.

EMCCW7CE

```
lcl dev symdv# already SRDF/A
```

Cause

An #SC VOL command was issued with a CREATEPAIR or MOVEPAIR dynamic SRDF action, and SRDF/A is active on the target group (with either CEXMPT specified or the SRDF/A group in tolerance mode). However, the local device in the pair or pair-to-be is already in an SRDF group on which SRDF/A is active on another remote mirror. Since a device can be in an SRDF/A session on only one remote mirror, the action has failed.

Action

Verify that the gatekeeper, SRDF group, and device number in the command are correct.

EMCCW7DE

```
rmt dev of symdv#:symdv# already SRDF/A
```

Cause

An #SC VOL command was issued with a CREATEPAIR or MOVEPAIR dynamic SRDF action, and SRDF/A is active on the target group (with either CEXMPT specified or the SRDF/A group in tolerance mode). However, the remote device in the pair or pair-to-be is already in an SRDF group on which SRDF/A is active on another remote mirror. Since a device can be in an SRDF/A session on only one remote mirror, the action has failed.

Action

Verify that the gatekeeper, SRDF group, and device number in the command are correct.

EMCCW7EE

```
DELETEPAIR denied, SRDF/A cleanup running on srdfgrp
```

Cause

An #SC VOL command was issued with a DELETEPAIR dynamic SRDF action. However, the device pair was part of an SRDF/A group that has recently been deactivated, and cleanup has not completed for the SRDF group. Consequently, the action has failed.

Action

Reissue the command after allowing some time for cleanup to complete. If the problem persists, obtain displays of the SRDF group status and contact the Dell EMC Customer Support Center.

EMCCW7FI

```
CEXPMT suppressed, SRDF/A not found on RDF group srdfgrp
```

Cause

An #SC VOL command was issued with a CREATEPAIR or MOVEPAIR action specifying the CEXMPT option. However, SRDF/A is not active on the SRDF group specified in the command. Consequently, the CEXMPT option is not needed, and has been suppressed. The consistency exempt attribute will not be set for the resulting device pairs.

Action

None.

EMCCW81E

```
R2 (diskless) of new pair symdv# will be R21, not ADCOPY mode
```

Cause

An #SC VOL command was issued with a CREATEPAIR or SWAP action which would result in the creation of an R1-R21 device pair in which the indicated R21 is a diskless device. In such a configuration, the corresponding cascaded (R21-R2) pair must be in adaptive copy write pending mode, but this is not the case. Consequently, the command has failed.

Action

If desired, set the existing pair to adaptive copy write pending mode by means of an #SC VOL command with the ADCOPY action. Then reissue the failing command.

EMCCW82E

```
R1 (diskless) of new pair symdv# will be R21, ADCOPY required
```

Cause

An #SC VOL command was issued with a CREATEPAIR or SWAP action which would result in the creation of a cascaded (R21-R2) pair in which the indicated R21 is a diskless device. In such a configuration, the cascaded pair must be in adaptive copy write pending mode, but this mode was not specified in the command. Consequently, the command has failed.

Action

If desired, reissue the command specifying the ADCOPY option.

EMCCW83E

```
Lcl device symdv# diskless, action denied
```

Cause

An #SC VOL command was issued with a non-composite action. However, the indicated local device is diskless and may participate in composite actions only. Consequently, the command has been disallowed for the indicated device.

Action

Do not attempt to perform non-composite actions against diskless devices.

EMCCW84E

```
Rmt dev of symdv#:symdv# is diskless, action denied
```

Cause

An #SC VOL command was issued with a non-composite action. However, the indicated remote device is diskless and may participate in composite actions only. Consequently, the command has been disallowed for the indicated device.

Action

Do not attempt to perform non-composite actions against diskless devices.

EMCCW85E

```
CASCRES with R1 or R2 Lcl dev symdv# diskless
```

Cause

An #SC VOL command was issued with a CASCRES action which would result in the creation of an R1-R21 pair in which the R1 is a diskless device or an R2-R21 pair in which the R2 is a diskless device. However, an R21 device may not be paired with a diskless device. Consequently, the command has failed.

Action

Ensure that diskless devices are not requested only as partners of R21 devices.

EMCCW86E

```
CASCRES R21 dev symdv#, Far device symdv# diskless
```

Cause

An #SC VOL command was issued with a CASCRES action which would result in the creation of an R21-R1 device pair in which the R1 is a diskless device or an R21-R2 pair in which the R2 is a diskless device. However, an R21 may not be paired with a diskless device. Consequently, the command has failed.

Action

Ensure that diskless devices are not requested only as partners of R21 devices.

EMCCW87E

```
CREATEPAIR, Lcl symdv# Rmt symdv# both diskless
```

Cause

An #SC VOL command was issued with a CREATEPAIR action in which the devices to be paired are both diskless devices. Such a pairing is prohibited. Consequently, the command has failed.

Action

Do not attempt to pair diskless devices.

EMCCW88E

```
Inline failure: error code xxxxxxxx
```

Cause

An #SC VOL command was issued with an action utilizing inlines in its processing. However, an error was encountered during processing of the inline. Consequently, the action has failed.

Action

Contact the Dell EMC Customer Support Center for instructions on obtaining diagnostic output.

EMCCW89E

```
Other-process lock query failed, data xxxxxxxx
```

Cause

An #SC VOL command was issued with a dynamic SRDF action. However, after successful validation, a request to determine whether the devices to be processed were currently in use by another process failed. To guarantee device data integrity, the dynamic SRDF action is not permitted to proceed, so the action has failed.

Action

Reissue the command after allowing some time for devices to be freed. If the problem persists, contact the Dell EMC Customer Support Center for further instructions, providing the message text.

EMCCW8AE

```
RDF group srdfgrp Star/SQAR recovery, {STAR|SQAR} opt missing
```

Cause

An #SC VOL command was issued with a dynamic SRDF action. The SRDF group to which the devices to be processed belong is marked as an SRDF/Star or SRDF/SQAR recovery group, so the corresponding STAR or SQAR option needs to be specified. However, since it was not specified, the action has failed.

Action

If desired, wait until SRDF/Star or SRDF/SQAR cleanup has been completed and the cleanup program EMCMSCME has run to reissue the command. However, if the command is being run as part of SRDF/Star or SRDF/SQAR recovery, reissue the command specifying the corresponding STAR or SQAR option.

EMCCW8BE

```
All Lcl mirrors of R1 symdv# have invalid tracks
```

Cause

An #SC VOL command was issued with a CASSUSP action. However, it was determined that all local mirrors of the R1 indicated in the message had invalid tracks. This is an unusual condition and may indicate an error in the storage system on which the device resides. Suspending a device pair in which no local mirrors are fully synchronized would result in the R1 device having no mirroring protection. To avoid the risk of data lost, the suspend request has been denied.

Action

If reissuing the command is not successful, contact the Dell EMC Customer Support Center and report this message. It may be necessary for hardware diagnostics to be run on the storage system on which the R1 resides.

EMCCW8CE

```
Lcl dev symdv# would be concurrent BCV
```

Cause

An #SC VOL command was issued with a CREATEPAIR or CASCRE action, but the indicated local device to be paired is a BCV that is already paired with a remote device. A BCV may not have more than one remote mirror, so the command has failed for the indicated device.

Action

Examine the command to ensure that the gatekeeper, all SRDF groups, and all device numbers specified are correct. If not, correct the error and reissue the command. Otherwise, do not attempt to create a concurrent BCV device.

EMCCW8DE

```
Rmt of symdv#:symdv# would be concurrent BCV
```

Cause

An #SC VOL command was issued with a CREATEPAIR or CASCRE action, but the remote device of the indicated device pair-to-be is a BCV that is already paired with a remote

device. A BCV may not have more than one remote mirror, so the command has failed for the indicated device.

Action

Examine the command to ensure that the gatekeeper, all SRDF groups, and all device numbers specified are correct. If not, correct the error and reissue the command. Otherwise, do not attempt to create a concurrent BCV device.

EMCCW8EE

```
Rmt dev of symdv#:symdv# has different partner
```

Cause

An #SC VOL command was issued with a SWAP, DELETEDPAIR, or MOVEPAIR action. However, for the indicated purported device pair, the indicated remote device is actually paired with a different partner. Consequently, the local device is not part of a valid SRDF pair and is not eligible for the entered action.

Action

If desired, issue an #SC VOL command with a half action (HSWAP, HDELETEDPAIR, or HMOVEPAIR) to accomplish the device state change.

EMCCW8FE

```
CREATEPAIR denied, SRDF/A cleanup running on srdfgrp
```

Cause

An #SC VOL command was issued with a CREATEPAIR or CASCRE action. However, SRDF/A cleanup is running on the indicated SRDF group. Consequently, the CREATEPAIR action cannot be processed.

Action

Retry the command periodically until SRDF/A cleanup has completed.

EMCCW90E

```
ERROR: Internal error, id x
```

Cause

An #SC VOL command was issued with a dynamic SRDF or composite action, but an unexpected condition has been detected. The ID appearing in the message indicates the processing point at which the unexpected condition was detected.

Action

Report this message to the Dell EMC Customer Support Center. Be prepared to generate additional diagnostic information.

EMCCW92E

```
MOVEPAIR denied, source and target groups both srdfgrp
```

Cause

An #SC VOL command was issued with a MOVEPAIR or HMOVEPAIR action. However, the source and target SRDF groups specified in the command are the same. Consequently, the command has failed.

Action

Determine the intended action, and reissue the command after correcting any erroneous parameters.

EMCCW93E

```
CASCRESymdv#1:symdv#2 device to be R21 not std
```

Cause

An #SC VOL command with the CASCRES action has requested the creation of a cascaded triplet. However, the device that is to be R21 in the cascaded triplet, indicated by *symdv#2* in the message, already has a remote mirror. The CASCRES action would require two new remote mirrors for the device, and a device may not have three remote mirrors. Consequently, the request fails.

Action

Either delete the pair of which the device in question is a partner or do not specify the device as the middle device in a CASCRES action.

EMCCW94E

```
Rc xxxxxxxx:xxxxxxx, API call xxxxxxxxxxxxxxxxxxxxxxx
```

Cause

An #SC VOL command was issued. However, while processing the command, the API call identified in the message failed with the indicated return and reason codes. Command processing has terminated with an error.

If the #SC VOL command action is a diskless CASCRES, the error could be the result of a bad cache slot.

Action

Report this message to the Dell EMC Customer Support Center. Be prepared to generate additional diagnostic information.

EMCCW95E

```
Lcl dev symdv# has mirror in tgt group srdfgrp
```

Cause

An #SC VOL command was issued with the MOVEPAIR or HMOVEPAIR action. However, the indicated local device whose SRDF group is to be changed, already has a remote mirror in the specified target SRDF group. Consequently, the request fails for the indicated device or pair.

Action

Either eliminate the problematic remote mirror by specifying the DELETEDPAIR, HDELETEDPAIR, CASDEL, MOVEPAIR or HMOVEPAIR action and reissue the command, or do not include the device in the command device range.

EMCCW96E

```
Rmt dev symdv#1:symdv#2 has mirror in tgt group srdfgrp
```

Cause

An #SC VOL command was issued with the MOVEPAIR or HMOVEPAIR action. However, the remote device whose SRDF group is to be changed, indicated by *symdv#2* in the message, already has a remote mirror in the indicated target SRDF group. Consequently, the request fails for the indicated device or pair.

Action

Either eliminate the problematic remote mirror by specifying the DELETEDPAIR, HDELETEDPAIR, CASDEL, MOVEPAIR or HMOVEPAIR action and reissue the command, or do not include the device in the command device range.

EMCCW97E

Denied, SRDF/A active on Lcl RDF group *xx*

Cause

An #SC VOL command was issued with a dynamic SRDF or composite action, but SRDF/A is active on the SRDF group specified in the command. This is not permitted, so the action has failed.

Action

None.

EMCCW98E

Denied, SRDF/A active on Rmt RDF group *srdfgrp*

Cause

An #SC VOL command was issued with a dynamic SRDF or composite action, but SRDF/A is active in the other-side SRDF group of the SRDF group specified in the command. This is not permitted, so the action has failed.

Action

None.

EMCCW99E

CEXMPT specified, {Star|SQAR} on Lcl RDF group *srdfgrp*

Cause

An #SC VOL command was issued with a dynamic SRDF or composite action specifying the CEXMPT option. However, SRDF/Star or SRDF/SQAR is active on the SRDF group specified in the command. This is not permitted so the action has failed.

Action

None.

EMCCW9DE

Action denied, Lcl RDF group *srdfgrp* is {Star|SQAR}

Cause

An #SC VOL command was issued with a dynamic SRDF or composite action directed to a device in an SRDF group on which SRDF/Star or SRDF/SQAR is active. This is not permitted, so the action has failed.

Action

None.

EMCCW9FE

Half action denied, SRDF/A active on RDF group *srdfgrp*

Cause

An #SC VOL command was issued with a dynamic SRDF half action. However, SRDF/A is active on the SRDF group to which the action was directed. Half actions may not be performed on devices belonging to pairs in an SRDF/A group so the action has failed.

Action

Do not attempt this action.

EMCCWA0E

SRDF/A on RDF group *srdfgrp*, TOL=N requires CEXMPT

Cause

An attempt was made to CREATEPAIR or MOVEPAIR into an active SRDF/A group. Tolerance is set to NO.

Action

Use the CEXMPT option of the CREATEPAIR or MOVEPAIR action, or stop SRDF/A.

EMCCWA2E

```
Both devices of pair syndv#:syndv# would be R21
```

Cause

An #SC VOL command was issued with a CREATEPAIR, SWAP, or CASSWAP action that would result in two devices of the same pair being R21 devices. This configuration is not permitted and the command has failed. The message indicates the local and remote devices that would comprise the pair causing the error.

Action

Analyze the configuration and adjust the command so as not to attempt creation of chained R21 devices.

EMCCWA3E

```
SWAP denied, SRDF/A cleanup running on srdmgrp
```

Cause

An #SC VOL command was issued with a SWAP action. However, the device pair was part of an SRDF/A group that has recently been deactivated, and cleanup has not completed for the SRDF group. Consequently, the action has failed.

Action

Reissue the command after allowing some time for cleanup to complete. If the problem persists, obtain displays of the SRDF group status and contact the Dell EMC Customer Support Center for instructions on obtaining on additional diagnostic information.

EMCCWA4E

```
Lcl dev syndv# would be concurrent BCV
```

Cause

An #SC VOL command was issued with a CREATEPAIR or CASCRE action, but the indicated local device to be paired is a BCV that is already paired with a remote device. A BCV may not have more than one remote mirror, so the command has failed for the indicated device.

Action

Examine the command to ensure that the gatekeeper, all SRDF groups, and all device numbers specified are correct. If not, correct the error and reissue the command. Otherwise, do not attempt to create a concurrent BCV device.

EMCCWA5I

```
R2 Devices owe tracks to the R1 devices
```

Cause

An #SC VOL SWAP command was issued. However, invalid R1 tracks exist on the remote R2 or R21. Consequently, the action has failed for the local devices that are listed.

Action

Before performing actions on device pairs for which invalid R1 tracks exist on the R2, it is necessary to determine whether these tracks should be used to update the R1 or whether

the invalid tracks should be discarded and normal SRDF replication from the R1 to the R2 should resume. Follow the guidelines in the Recovery Procedures section of the *SRDF Host Component for z/OS Product Guide* for making this determination and follow the procedures indicated. Then reissue the command. The FORCE option can be used to ignore invalid tracks and proceed the action.

EMCCWA6E

```
Lcl of symdv#:symdv# diskless, Rmt on pre-5773
```

Cause

An #SC VOL command with a CASCRE or CREATEPAIR action was entered. During validation, it was determined that a diskless device on the local storage system was to be paired with a device on a storage system with the operating environment level lower than 5773. Such a device pair is not supported, so the command has failed. No device pairs or triplets will be created by the command. The message shows the first intended device pair for which the error was detected.

Action

Do not attempt to create such device pairs or triplets. When creating device pairs via the CASCRE action in which the remote or far devices reside on a storage system with the operating environment level lower than 5773, ensure that the local or remote device range contains no diskless devices. When creating device pairs using the CREATEPAIR action in which the remote devices reside on a storage system with the operating environment level lower than 5773, ensure that the local device range contains no diskless devices.

EMCCWA7E

```
Rmt of symdv#:symdv# diskless, Lcl on pre-5773
```

Cause

An #SC VOL command with a CASCRE or CREATEPAIR action was entered. During validation, it was determined that a diskless device on the remote or far storage system was to be paired with a device on a storage system with the operating environment level lower than 5773. Such a device pair is not supported, so the command has failed. No device pairs or triplets will be created by the command. The message shows the first intended device pair for which the error was detected.

Action

Do not attempt to create such device pairs or triplets. When creating device pairs via the CASCRE action in which the local or remote devices reside on a storage system with the operating environment level lower than 5773, ensure that the local or remote device range contains no diskless devices. When creating device pairs via the CREATEPAIR action in which the remote devices reside on a storage system with the operating environment level lower than 5773, ensure that the local device range contains no diskless devices.

EMCCWA8E

```
Lcl cache partition grp mismatch symdv#:symdv#
```

Cause

An #SC VOL command was issued with a CREATEPAIR, CASCRE, or MOVEPAIR action that would result in the indicated device pair being added to an SRDF group in which SRDF/A is currently active. The local device of the pair would become a local device in the SRDF/A session but is in a different cache partition group from the local devices already in the SRDF/A group. Since all devices on the local side of an SRDF/A session must have the same cache partition group, the command has failed.

Action

If appropriate, adjust the cache partition assignment of the local device as described in the

ResourcePak Base for z/OS Product Guide. Then reissue the command.

EMCCWA9E

```
Rmt cache partition grp mismatch symdv#:symdv#
```

Cause

An #SC VOL command was issued with a CREATEPAIR, CASCRE, or MOVEPAIR action that would result in the indicated device pair being added to an SRDF group in which SRDF/A is currently active. The remote device of the pair would become a remote device in the SRDF/A session but is in a different cache partition group from the remote devices already in the SRDF/A group. Since all devices on the remote side of an SRDF/A session must have the same cache partition group, the command has failed.

Action

If appropriate, adjust the cache partition assignment of the remote device as described under in the *ResourcePak Base for z/OS Product Guide*. Then reissue the command.

EMCCWAAE

```
Lcl R22 symdv# on 5773 missing patch
```

Cause

An #SC VOL command was issued with a CREATEPAIR, CASCRE, SWAP, HSWAP, or CASSWAP action that would result in the creation of an R22 on a storage system running with Enginuity 5773. However, a patch that is required for support of R22 devices on the Enginuity 5773 system is missing. Consequently, the command has failed for the indicated device.

Action

Contact your Dell EMC Customer Support Representative to arrange for installation of the required patch. The serial number of the storage system missing the patch can be found in one of the EMCGM40I, EMCGM4BI, or EMCGM4CI messages that has been issued as a result of command processing.

EMCCWABE

```
Rmt R22 of symdv#:symdv# on 5773 missing patch
```

Cause

An #SC VOL command was issued with a CREATEPAIR, CASCRE, SWAP, HSWAP, or CASSWAP action that would result in the creation of one or more R22 devices on a storage system running with Enginuity 5773. However, a patch that is required for support of R22 devices on the Enginuity 5773 system is missing. Consequently, the command has failed for the remote device of the indicated pair.

Action

Contact your Dell EMC Customer Support Representative to arrange for installation of the required patch. The serial number of the storage system missing the patch can be found in one of the EMCGM40I, EMCGM4BI or EMCGM4CI messages that has been issued as a result of command processing.

EMCCWACI

```
Lcl RAID10 member symdv# skipped
```

Cause

An #SC VOL command was issued with a device range that included the listed device, which is a RAID10 member. During command processing, the indicated device was ignored, because a RAID10 member is only processed through its associated RAID10 head device.

Processing continues normally. This message does not indicate an error, nor does it imply that the device range includes the associated RAID10 head device.

Action

None.

EMCCWAEI

```
lcl device syndv# skipped due to filter request
```

Cause

An #SC VOL command included the SELECT keyword parameter. A device in the device range did not meet the specified select filter criterion, and consequently will not be processed. The device will not be listed among the requested devices.

Action

None.

EMCCWAFI

```
Device syndv# not blocked on specified group
```

Cause

An #SC VOL R22SWTCH command was issued. The device indicated in the message was bypassed because it is not blocked on the mirror in the specified SRDF group, or for the RMT keyword with subparameter 3 omitted, the implied SRDF group.

Action

None.

EMCCWB0E

```
R2 of syndv#:syndv# blocked, R22ACT not specified
```

Cause

An #SC VOL command was issued with a RESUMEPAIR action. The remote device is a valid R22 which is blocked on the R2 mirror of the pair to be resumed. Since the R22ACT option was not specified, the blocked leg remains blocked and the resume action is denied.

Action

None required. If the intention is that the specified pair become ready on the link, include the R22ACT option to block the currently unblocked R2 mirror and to unblock the currently blocked R2 mirror and reissue the command.

EMCCWB1E

```
RDF group srdfgrp not defined
```

Cause

An SRDF Host Component #SC VOL command was issued. During local discovery, it was determined that the SRDF group specified in the command was not defined. Consequently, the command has been aborted.

Action

Ensure that the correct SRDF group was specified. If so, issue an #SQ RDFGRP command specifying the SRDF group in question to determine its state.

EMCCWB2E

```
Pair syndv#:syndv# would be mixed thin/thick
```

Cause

An #SC VOL CREATEPAIR command requested an SRDF device pairing between a thin device and a device that is not thin. This is not permitted for the operating environment levels of the storage systems on which the devices reside. Consequently, the command has failed.

Action

Do not attempt such a pairing. If the error resulted from incorrect specification of one of the device numbers, correct the error and resubmit the command.

EMCCWB3E

```
{Lcl|Rmt} of symdv#:symdv# is an unbound thin device
```

Cause

An #SC VOL CREATEPAIR command requested an SRDF device pairing between two devices, one of which is an unbound thin device. Such a device cannot be explicitly specified in an #SC VOL command. Consequently, the command has failed.

Action

Do not attempt such an action. If the error resulted from incorrect specification of one of the device numbers, correct the error and resubmit the command. Otherwise, consult the *ResourcePak Base for z/OS Product Guide* for information on thin device pools and bind the device as required.

EMCCWB4E

```
{Lcl|Rmt} of symdv#:symdv# is a back end thin device
```

Cause

An #SC VOL command specified a device which is configured as a thin data device. Only thin front-end devices may be explicitly specified in an #SC VOL command. Consequently, the command has failed.

Action

Do not attempt such an action. If the error has resulted from incorrect specification of one of the device numbers, correct the error and resubmit the command.

EMCCWB5E

```
Pair symdv#:symdv# has SRDF/A polarity conflict
```

Cause

An #SC VOL command with the MOVEPAIR action was specified. SRDF/A was active on the target SRDF group and CEXMPT was specified as required. However, it was determined that the primary device of the pair to be moved would be on the secondary side of the SRDF/A session.

Action

Verify that the target SRDF group and the device range specified in the command and were specified correctly. Then determine whether the indicated device pair should be swapped before attempting the action.

EMCCWB6E

```
R2 of new pairs would be on SRDF/A primary side
```

Cause

An #SC VOL command with the CREATEPAIR action was specified. SRDF/A was active on the target SRDF group and CEXMPT was specified as required. However, it was

determined that the primary device of the pair to be created would be on the secondary side of the SRDF/A session.

Action

Verify that the target SRDF group and the device range were specified correctly in the command. Then determine whether the requested pairing should have reversed polarity specified, for example, by specifying the LCLISR2 option if it is not specified or by removing it if it was specified. Correct the error and resubmit the command.

EMCCWB7E

```
Device symdv# is R22 but blocked on both mirrors
```

Cause

An #SC VOL command was issued with an R22SWTCH action. However, the action is not possible on the specified R22 because both mirrors are blocked. Consequently, the device has been skipped.

Action

Analyze the current SRDF relationships to determine whether the blocked state for both mirrors is correct. An R22 should not have both mirrors blocked if there is a unique R11 source for the R22. If a valid R22 is blocked on both mirrors, it may be necessary to delete and recreate device pairs to unblock the mirror that is blocked but should not be.

EMCCWB8E

```
Device symdv# not blocked on mirror in group srdfgrp
```

Cause

An #SC VOL command was issued with an R22SWTCH action including the GRPONLY option. However, for the R22 indicated, the mirror in the specified SRDF group is not blocked. Consequently, the command has been skipped for this device.

Action

None.

EMCCWB9E

```
Cannot pair symdv#:symdv#, one striped, one not
```

Cause

An #SC VOL command was issued with the CREATEPAIR or CASCRE action. During validation, it was determined that the command is attempting to pair the indicated devices. However, one of the devices is an FBA Meta striped device and the other is an FBA Meta concatenated device. Such a device pair is not possible, so the command has failed.

Action

Do not attempt to create such device pairs.

EMCCWBAE

```
RESUMEPAIR(DIFF) denied, Lcl group srdfgrp not {STAR|SQAR}
```

Cause

An #SC VOL RESUMEPAIR command was issued. However, the specified option is valid only if the SRDF group specified in the command is a Star or SQAR group. Since the SRDF group is not a Star or SQAR group, the command has been aborted.

Action

Ensure that the correct SRDF group was specified. If so, determine whether removal of

the specified command option is acceptable.

EMCCWBBE

```
RESUMEPAIR(DIFF) denied, Rmt group srdfgrp not {STAR|SQAR}
```

Cause

An #SC VOL RESUMEPAIR command was issued specifying the DIFFERENTIAL option. This option, however, is valid only if the SRDF group specified in the command is a Star or SQAR group. Since the other-side SRDF group of the SRDF group specified is not a Star or SQAR group, the command has been aborted.

Action

Ensure that the correct SRDF group was specified. If so, determine whether removal of the DIFFERENTIAL option is acceptable.

EMCCWBCE

```
Device pairs between level and level not supported
```

Cause

An #SC VOL command was issued with a CREATEPAIR or CASCRE action. Devices to be paired as a result of the command reside on storage systems with the indicated operating environment levels. However, SRDF device pairs are not permitted with this combination of operating environment levels, so the command has failed.

Action

Do not attempt to create device pairs between storage systems having that combination of operating environment levels. Ensure that the SRDF group, and the hop list if the RMT keyword parameter was specified, are correct. If not, correct and resubmit the command.

EMCCWBDE

```
Pairs between level and level need microcode patch
```

Cause

An #SC VOL command was issued with a CREATEPAIR or CASCRE action. Devices to be paired as a result of the command reside on storage systems with the indicated operating environment levels. However, SRDF device pairs are permitted with this combination of operating environment levels only if an operating environment patch has been applied. Since it has not been applied, the command has failed.

Action

Ensure that the SRDF group, and the hop list if the RMT keyword parameter was specified, are correct. If not, correct and resubmit the command. If SRDF group and hop list are correct, contact the Dell EMC Customer Support Center to have the necessary patch applied.

EMCCWBEE

```
Half action at microcode level xxxx not supported
```

Cause

An #SC VOL command was issued with one of the dynamic SRDF actions HSWAP, HDELETEPAIR, or HMOVEPAIR. However, the device resides on a storage system at the indicated operating environment level, which does not support the action requested. Consequently, the command has failed.

Action

Attempt to achieve the desired dynamic SRDF result in an alternate way. See the *SRDF*

Host Component for z/OS Product Guide for information about the operating environment levels required to support the requested action.

EMCCWBFE

Invalid RDF group in synch-direction validation

Cause

An #SC VOL command was issued and the requested mirror reports an SRDF group that is not defined.

Action

Issue the #SQ RDFGRP command to check if the SRDF group exists. Contact Dell EMC Support for assistance.

EMCCWC0E

Partner of *symdv#* blocked, has R1 invalids

Cause

An #SC VOL command with a resume action was issued. During device validation, it was discovered that the remote partner of the indicated device was link-blocked on the R2 mirror of the leg to be resumed and that this mirror had R1 invalid tracks. Resume actions are not allowed in this situation. Consequently, the resume action has failed for the indicated device.

Action

If the remote device is a valid R22 device, an R22SWTCH action can be performed to unblock the mirror that is link-blocked. Appropriate refresh and refresh-resume processing will then make the R1 device ready on the link. Consult the *SRDF Host Component for z/OS Product Guide* for more information on R22 device behavior and on this specific procedure.

EMCCWC2E

Denied, host intervention required on *symdv#*

Cause

An #SC VOL command was unable to process the specified device because the system indicated that host intervention was required on the device. Note that this condition can result from an action by MSC or an operator making the device unavailable.

Action

Query the device to determine its state, and take the appropriate action, bearing in mind that the host intervention required state is usually an operational condition rather than a hardware error.

EMCCWC3E

Invalid two-box hop loop at RDF group *srdfgrp*

Cause

An #SC VOL command was issued with a CASCRE action. During validation, it was determined that the two mirrors of the devices to become R21 would be in the same SRDF group. However, a device may not have two remote mirrors in the same SRDF group. Consequently, the command has been aborted.

Action

Ensure that the other-side SRDF group of the SRDF group specified for the R1 devices is not the same as the SRDF group specified for the R21 devices.

EMCCWC4E

Thick device *symdv#* violates thin-thick rules

Cause

An #SC VOL command with a CREATEPAIR or CASCRE action was issued and the pair to be created would include a thin device and standard (thick) device. However, the standard device indicated in the message was found to violate one or more of the rules governing thick-thin device pair creation.

The *SRDF Interfamily Connectivity* document sets out the requirements for thin-to-thick and thick-to-thin operations.

Command processing is terminated at the completion of validation processing.

Action

Exclude the device causing the error from the device range specified in the command.

EMCCWC5E

Thin device *symdv#* violates thin-thick rules

Cause

An #SC VOL command with a CREATEPAIR or CASCRE action was issued and the pair to be created would include a thin device and standard (thick) device. However, the thin device indicated in the message was found to violate one or more of the device pairing rules, which govern the creation of such device pairs.

The *SRDF Interfamily Connectivity* document sets out the requirements for thin-to-thick and thick-to-thin operations.

Command processing is terminated at the completion of validation processing.

Action

Exclude the device causing the error from the device range specified in the command.

EMCCWC6E

SRDF/A cleanup pending for Lcl device *symdv#*

Cause

An #SC VOL command with a dynamic SRDF action was issued. During validation, it was determined that although SRDF/A was not active on the SRDF group specified or implied for the local device indicated in the message, SRDF/A cleanup had not completed for the device itself. Until this cleanup completes, the device cannot participate in dynamic SRDF processing. Consequently, the device has been set ineligible for the current action.

Depending upon the specifics of the command issued and the options specified, the action may proceed for other devices.

Action

Wait to allow time for cleanup to complete and reissue the command. The amount of time that is required for SRDF/A cleanup to complete can depend on a variety of factors; multiple attempts may be required.

EMCCWC7E

SRDF/A cleanup pending, Rmt of *symdv#*:*symdv#*

Cause

An #SC VOL command with a dynamic SRDF action was issued. During validation, it was determined that although SRDF/A was not active on the SRDF group specified or implied for the remote device indicated in the message, SRDF/A cleanup had not completed for the device itself. Until this cleanup completes, the device cannot participate in dynamic

SRDF processing. Consequently, the device has been set ineligible for the current action. Depending upon the specifics of the command issued and the options specified, the action may proceed for other devices.

Action

Wait to allow time for cleanup to complete and reissue the command. The amount of time that is required for SRDF/A cleanup to complete can depend on a variety of factors; multiple attempts may be required.

EMCCWC8E

```
Lcl FBA Meta symdv# inconsistent
```

Cause

An #SC VOL command was issued, and an FBA Meta group was being validated. While comparing attributes of the member devices in the local FBA Meta group with corresponding attributes of the FBA Meta head device, an inconsistency was found. As a result, the FBA Meta group cannot be processed. For example, such an inconsistency would exist if the head device was in TNR state but a member device was ready on the link.

Action

Contact Dell EMC Technical Support for assistance in identifying and correcting the inconsistency.

EMCCWC9E

```
Rmt of FBA Meta symdv#:symdv# inconsistent
```

Cause

An #SC VOL command was issued, and an FBA Meta group was being validated. While comparing attributes of the member devices in the remote FBA Meta group with corresponding attributes of the FBA Meta head device, an inconsistency was found. As a result, the FBA Meta group cannot be processed. For example, such an inconsistency would exist if the head device was in TNR state but a member device was ready on the link.

Action

Contact Dell EMC Technical Support for assistance in identifying and correcting the inconsistency.

EMCCWCAE

```
Lcl FBA Meta symdv# pair inconsistency
```

Cause

An #SC VOL command was issued with a dynamic SRDF action, and an FBA Meta group was found in the device range. While comparing attributes of the devices in the local FBA Meta group with attributes of the corresponding devices in the remote FBA Meta group, an inconsistency was found. As a result, the action cannot be processed for this FBA Meta group pair. For example, such an inconsistency would exist if the head devices indicated that they were paired to each other but corresponding members were found that did not indicate that they were paired to each other.

Action

Contact Dell EMC Technical Support for assistance in identifying and correcting the inconsistency.

EMCCWCBE

```
Rmt FBA Meta symdv#:symdv# pair inconsistency
```

Cause

An #SC VOL command was issued with a dynamic SRDF action, and an FBA Meta group was found in the device range. While comparing attributes of the devices in the remote FBA Meta group with attributes of the corresponding devices in the remote FBA Meta group, an inconsistency was found. As a result, the action cannot be processed for this FBA Meta group pair. For example, such an inconsistency would exist if the head devices indicated that they were paired to each other but corresponding members were found that did not indicate that they were paired to each other.

Action

Contact Dell EMC Technical Support for assistance in identifying and correcting the inconsistency.

EMCCWCCE

```
Syscall failed, remote Symmetrix busy (xxxx)
```

Cause

A SC VOL command was issued. In response to a syscall or API request, an error code was set indicating that a remote storage system was busy and was unable to handle the request or its output. No retry is issued for this condition. Note that the storage system issuing this error code may be the storage system on which the request was to have been processed or any storage system on the command path between that storage system and the local one. Also note that the command may not have reached the storage system on which it was to have been processed, may have reached that storage system but not completed processing, may have completed processing successfully, or may have failed.

Action

Carefully examine the states of the devices that were to have been affected by the command; do not attempt to use these devices until their state has been ascertained. Attempt to determine which storage system has generated the 'Symmetrix busy' error return, whether the command succeeded, failed, or was not processed. If necessary, contact Dell EMC Technical Support to obtain assistance in diagnosing the problem and assessing the current device and storage system states.

EMCCWCDE

```
MOVEPAIR denied, target group srdfgrp {Star/Star|SQAR/SQAR}  
recovery
```

Cause

An #SC VOL command with the MOVEPAIR action was specified. A device pair to be processed was found to consist of different-sized devices, and the SRDF group to which the pair was to have been moved is a Star or SQAR group or a Star or SQAR recovery group. As part of recovery procedures, it may be necessary to swap this device pair. However, this swap request would fail because the partner devices have different sizes. To avoid this likely failure during Star or SQAR recovery, the MOVEPAIR action is failed.

Action

Ensure that the correct target SRDF group was specified in the command. Do not attempt to move device pairs consisting of unequal-sized devices into Star or SQAR SRDF groups or Star or SQAR recovery SRDF groups.

EMCCWCCE

```
No directors on Symmetrix symmserial
```

Cause

An #SC VOL command was issued. While performing discovery of the storage systems on which the devices participating in the command action reside, it was determined that no link directors existed on the storage system indicated in the message. Since #SC VOL actions cannot be processed on such a storage system, the command has been aborted.

Action

Ensure that all hop lists and SRDF groups specified in the command are correct. If they are correct, determine why no link directors are being detected on the storage system indicated in the message. When the problem has been corrected, reissue the command.

EMCCWCFFE

message-text

Cause

An error occurred during suspend or resume processing. Message text can be one of the following:

- {All|Some} devices failed - all local mirrors are not ready or write disabled. - All local mirrors for the devices are not ready or are write-disabled. Issue an #SQ MIRROR command to determine the state of the local mirrors.
- {All|Some} devices failed - all local mirrors have invalid tracks. - All local mirrors for the devices have one or more invalid tracks. Issue an #SQ MIRROR command to locate the devices with invalid tracks. Determine why the tracks are invalid.
- {All|Some} devices failed - all RDF groups offline. - The SRDF groups associated with the command are offline or unavailable. Issue an #SQ RDFGRP command to determine if any groups are offline. Check that the directors in the related groups are online and that all connections are secure.
- {All|Some} devices failed - Cannot resume without dd - The device is in a state that it cannot be resumed with an RDF_RSUM action. Select and follow one of the recovery procedures as outlined in the *SRDF Host Component for z/OS Product Guide*.
- {All|Some} devices failed - no R1 devices found. - The command should have been sent to an R1 device but there were no R1 devices specified. Re-check the command to determine if it was issued to the correct devices. Also, check for established BCVs. When B1 devices are established, they are acting in their TimeFinder role and not in their SRDF role.
- {All|Some} devices failed - no R2 device found. - The command should have been sent to an R2 device but there were no R2 devices specified. Re-check the command to determine if it was issued to the correct devices. Cannot resume because the partner R2 mirror is not accepting I/O from this device.
- {All|Some} devices failed - R2 is larger than R1. - The resume could not complete because the R2 device is larger than the R1 device. The action would result in data flowing from a larger R2 device to a smaller R1 device. Check that the command was issued to the correct devices. Issue an #SQ VOL command to determine that the requested devices are the correct size.
- {All|Some} devices failed - SRDF/A cleanup running. - A resume

request was issued and SRDF/A cleanup procedures are either pending or running. Wait for the SRDF/A cleanup procedures to complete and retry the command.

- `{All|Some} devices failed - partner R2 is IL.` - The command failed because one or more SRDF mirrors in the request were partnered with an R2 mirror that was in an inactive link state of an R22 device. Check that the command was issued to the correct mirror. Issue an `#SQ VOL` command to determine which R22 mirrors are active.
- `All devices failed flag. The checkpointing process did not complete, try syscall again.` - This error indicates the syscall is being denied due to lack of resources on the FICON director and this prevented the completion of the checkpointing sequence. The director cannot open a communications path to send another syscall out. Contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.
- `All local mirrors are not ready or w/d.` - All local mirrors for the devices are not ready or are write-disabled. Issue an `#SQ MIRROR` command to determine the state of the local mirrors.
- `All local mirrors have invalid tracks.` - All local mirrors for the devices have one or more invalid tracks. Issue an `#SQ MIRROR` command to locate the devices with invalid tracks. Determine why the tracks are invalid.
- `Cannot resume until the SRDF/A cleanup completes.` - A resume request was issued and SRDF/A cleanup procedures are either pending or running. Wait for the SRDF/A cleanup procedures to complete and retry the command.
- `Cannot resume without a dd.` - The device is in a state that it cannot be resumed with an `RDF_RSUM` action. Select and follow one of the recovery procedures as outlined in the *SRDF Host Component for z/OS Product Guide*.
- `No R1 device found in the list.` - The command should have been sent to an R1 device but there were no R1 devices specified. Re-check the command to determine if it was issued to the correct devices. Also, check for established BCVs. When B1 devices are established, they are acting in their TimeFinder role and not in their SRDF role.
- `No R2 device found in the list.` - The command should have been sent to an R2 device but there were no R2 devices specified. Re-check the command to determine if it was issued to the correct devices. Cannot resume because the partner R2 mirror is not accepting I/O from this device.
- `None of the ra groups is online for at least one device.` - The SRDF groups associated with the command are offline or unavailable. Issue an `#SQ RDFGRP` command to determine if any groups are offline. Check that the directors in the related groups are online and that all connections are secure.
- `R2 is larger than R1 - cannot complete action.` - The resume could not complete because the R2 device is larger than the R1 device. The action would result in data flowing from a larger R2 device to a smaller R1 device. Check that the command was issued to the correct devices. Issue an `#SQ VOL` command to determine that the requested devices are the correct size.

Action
See above.

EMCCWCFW

```
Lcl dev syndv# and RMT dev syndv# MUST be thin
```

Cause

The incorrect device type has been selected. Both the local and remote devices must be thin devices.

Action

Choose a different device that is a thin device.

EMCCWD0E

```
Ineligible devices found. Command not executed
```

Cause

An #SC VOL command was issued for which all requested devices must be eligible to be processed in order for the command to be executed. If one or more requested devices are not eligible to be processed, then the command is not executed for any requested devices. The command is terminated following completion of device validation. Informational messages are also issued to identify the ineligible devices that prevented command execution.

Action

Refer to the informational messages to identify the ineligible devices that prevented the command from being executed. Correct the status of these ineligible devices and then reissue the command.

EMCCWD1I

```
Non-FBA devices will be excluded
```

Cause

An #SC FAVOL command was issued to a range of devices and the range included some CKD devices. This message is informational and is followed by a list of PowerMax or VMAX device numbers that will be excluded.

Action

Verify the range of devices that were specified in the command.

EMCCWD2E

```
FAVOL Error: text
```

Cause

An error occurred while processing an #SC FAVOL command. In the message, *text* describes the error:

- Bad MVS device number provided - UCBLOOK failed to return a valid UCB address for the specified device.
- GETMAIN FAILED FOR FWA WORK AREA - An error occurred trying to obtain a work area. Consider increasing the REGION parameter in your SRDF Host Component JCL.
- GETMAIN FAILED RC=xxxxxxxx - ESFDLM issued a STORAGE OBTAIN for work storage and the request failed.

- I/O error code =wwxyyzz - An I/O error occurred. ww is the device status, xx is the subchannel status, and yyzz is the sense data.
- MASK ERROR - xxxmaskid - An error occurred in SRDF Host Component device mask processing. xxx indicates the action and maskid indicates the name of the mask. Diagnostic information has been logged to SCF TRACE.
- one or more eligible devices locked - An #SC FAVOL WRITEENABLE command was issued and one or more eligible devices are locked by another operation. Wait for the operation to complete and re-issue the failing command. Use the REC,GRYDLOCK command described in the *ResourcePak Base for z/OS Product Guide* to determine which devices are locked and what lock is held.
- RANGE ERROR: START=symdv# END=symdv# - #SC FAVOL processing was called for a range of devices but the start device number is greater than the end device number.
- Retry count exceeded - After 10 retries to set write enabled, one or more devices are still write prohibited.
- UNKNOWN ERROR R15=xxxxxxxx, R0=xxxxxxxx, R1=xxxxxxxx - An unknown error was returned by ESFDLM. The returned values are indicated in the registers displayed.

Action

See above.

EMCCWD3E

SC FAVOL incomplete for devices

Cause

During the processing of the #SC FAVOL WRITEENABLE command, some or all of the devices requested did not change to the desired state. These devices were still write-prohibited on one or more OS host directors. This message will be followed by a list of PowerMax or VMAX device numbers that failed to change to the requested state. Message EMCGM10E and a non-zero return code will be issued at the end of command processing.

Action

Display the devices listed. Wait a bit and retry the command.

EMCCWD4E

WRITE-ENABLE failed for range: xxxxxx-yyyyyyy

Cause

During the processing of the #SC FAVOL WRITEENABLE command, an error was encountered for the range specified.

Action

This message is followed by message EMCCWD2E with a text message describing the error.

EMCCWD5E

CHK-WRENABLE failed for range: xxxxxx-yyyyyyy

Cause

During the processing of the #SC FAVOL WRITEENABLE command, an error was encountered while checking the status for the specified range.

Action

This message is followed by message EMCCWD2E with a text message describing the error.

EMCCWD6E

```
ESFDLM error R15=xxxxxxxx R0=yyyyyyyyy R1=zzzzzzzz
```

Cause

During the processing of the #SC FAVOL WRITEENABLE command, an unrecognized error was returned.

Action

Collect the SRDF Host Component job log and SCF TRACE raw data and report this message to the Dell EMC Customer Support Center.

EMCCWDCE

```
STEAL LOCK NOT COMPLETED - Dev#: symdv# LID: lock_id API: appname
```

Cause

The lock has been obtained on the devices.

Action

Identify the program that locked the device using the lock ID and the application name indicated in the message. Issue the #SC VOL command with RDF_SUSP or RDF_RSUM actions.

EMCCWE2E

```
E msg: EMCxxyz message text
```

Cause

An internal software error occurred in #SC VOL message processing. A message was passed to the message processing routines with insufficient information. EMCxxyz indicates the message that was in error.

Action

Report this message to the Dell EMC Customer Support Center.

EMCCWE3I

```
EMCxxyz show msgs needing correcting in ESF21EED
```

Cause

An internal software error occurred in #SC VOL message processing. A message was passed to the message processing routines with insufficient information. EMCxxyz indicates the message that was in error.

Action

Report this message to the Dell EMC Customer Support Center.

EMCCWE7E

```
Configuration has changed, check for Autoswap event
```

Cause

While an SRDF Host Component command was run, the configuration changed so that the

storage system serial number has changed. The command was terminated with a return code of 8.

Action

Check the logs to see if an AutoSwap event (planned or unplanned) has occurred.

EMCCWFEE

```
Command failed
```

Cause

An #SC VOL command was issued for a dynamic SRDF or composite action. However, validation or processing was unsuccessful for reasons indicated in previous messages.

Action

Examine the messages to determine whether the command failure was due to correctable problems. If appropriate, take corrective action and reissue the command.

EMCCWFFE

```
A non-existent device was found
```

Cause

While processing a command, a non-existent device was found.

Action

Correct device range specification and retry.

EMCCX01I

```
Resume action denied, R1 devices diskless
```

Cause

An #SC VOL command was issued with the RDF_RSUM or RNG_RSUM action. However, one or more primary devices in the range is diskless, and the command is not being issued in a recovery situation. For a diskless device not in a recovery situation, a composite action is required. Consequently, the action is disallowed for the devices listed.

Action

Use the CASRSUM action to resume triplets including a cascaded diskless device. If an entire triplet is not accessible because a remote site has been lost or a remote link is down, specify the RCVRY option in the command.

EMCCX02I

```
RDF_SUSP action denied, R1 devices diskless
```

Cause

An #SC VOL command was issued with the RDF_RSUM or RNG_RSUM action. However, one or more primary devices in the range is diskless, and the command is not being issued in a recovery situation. For a diskless device not in a recovery situation, a composite action is required. Consequently, the action is disallowed for the devices listed.

Action

Use the CASSUSP action to resume triplets including a cascaded diskless device. If an entire triplet is not accessible because a remote site has been lost or a remote link is down, specify the RCVRY option in the command.

EMCCX03I

NADCOPY action but devices are cascaded

Cause

An #SC VOL command was issued with the NADCOPY action. However, one or more primary devices in the range is cascaded. For such a device, either adaptive copy disk mode or adaptive copy write pending mode is required; adaptive copy mode may not be removed. Consequently, the action is disallowed for the devices listed.

Action

None.

EMCCX04I

ADCOPY, devices are cascaded but not diskless

Cause

An #SC VOL command was issued with the ADCOPY action, which would put eligible devices into adaptive copy write pending mode. However, one or more primary devices in the range is cascaded and not diskless. Such a device must be in adaptive copy disk mode. Consequently, the action is disallowed for the devices listed.

Action

None.

EMCCX05I

ADCOPY_DISK, devices are cascaded diskless

Cause

An #SC VOL command was issued with the ADCOPY_DISK action, which would put eligible devices into adaptive copy disk mode. However, one or more primary devices in the range is cascaded and diskless. Such a device must be in adaptive copy write pending mode. The action is disallowed for the devices listed.

Action

None.

EMCCX06I

Resume action denied, R2 devices diskless

Cause

An #SC VOL command was issued with the RDF_RSUM or RNG_RSUM action. However, one or more secondary devices in the range is diskless, and the command is not being issued in a recovery situation. For a diskless device not in a recovery situation, a composite action is required. Consequently, the action is disallowed for the devices listed.

Action

Use the CASRSUM action to resume triplets including a cascaded diskless device. If an entire triplet is not accessible because a remote site has been lost or a remote link is down, specify the RCVRY option in the command.

EMCCX07I

RDF_SUSP action denied, R2 devices diskless

Cause

An #SC VOL command was issued with the RDF_RSUM or RNG_RSUM action. However, one or more secondary devices in the range is diskless, and the command is not being issued in a recovery situation. For a diskless device not in a recovery situation, a composite action is required. Consequently, the action is disallowed for the devices listed.

Action

Use the CASSUSP action to resume triplets including a cascaded diskless device. If an entire triplet is not accessible because a remote site has been lost or a remote link is down, specify the RCVRY option in the command.

EMCCX08E

Local device range includes invalid devices

Cause

An #SC VOL command was issued with a CREATEPAIR or CASCRE action. While validating local devices for the command, an invalid device was found. Consequently, the command has failed. (Devices such as power vault devices or null devices are treated as invalid.)

Action

If necessary, break up the local device range into multiple ranges that contain only valid devices.

EMCCX09I

Devices excluded by sync direction

Cause

An #SC VOL command was issued with an action which is valid only if a specific synchronization direction (R1>R2 or R1<R2) is in effect. Examples of such actions are REFRESH, VALIDATE, and INVALIDATE. However, for the devices listed, the synchronization direction in effect is incompatible with the action requested. The device is excluded from processing by the command.

Action

None. This is not necessarily an error condition.

EMCCX0AI

R2 devices not ready, cannot be set R/W

Cause

An #SC VOL command with the R/W action was issued. The R2 devices listed are in the requested range but were not ready, and consequently cannot be processed and have been skipped.

Action

If appropriate, issue an #SC VOL command with the RDY action for the devices listed. Then reissue the original command. Note that R2 device should be set R/W only in accordance with procedures documented in the *SRDF Host Component for z/OS Product Guide*.

EMCCX0BI

Devices skipped, already NADCOPY *syndv#*

Cause

The listed devices have been excluded from processing because they are in the NADCOPY mode.

Action

Correct the command and retry.

EMCCX0CI

Devices skipped, already ADCOPY-WP

Cause

An #SC VOL command with the ADCOPY_WP action was issued but one or more devices in the requested range were already in the requested state.

Action

None.

EMCCX0DI

Devices skipped, already ADCOPY-DISK

Cause

An #SC VOL command with the ADCOPY_DISK action was issued but one or more devices in the requested range were already in the requested state.

Action

None.

EMCCX0EI

Group not specified for cascaded R21 device

Cause

An #SC VOL command was issued for an R21 device and the SRDF group was not provided.

Action

The SRDF group is required to identify the SRDF mirror. Specify the SRDF group in the command and retry.

EMCCX0FI

Group not specified for concurrent R2 device

Cause

An #SC VOL command was issued for an R22 device and the SRDF group was not provided.

Action

The SRDF group is required to identify the SRDF mirror. Specify the SRDF group in the command and retry.

EMCCX10I

Devices excluded, device or partner diskless

Cause

An #SC VOL command was issued with an action that is not applicable to devices that are diskless or whose remote partner is diskless. However, the devices listed or their remote partners are diskless, so the devices listed have been set as ineligible for the action. This determination may be made during the filtering phase of command processing, so it does not necessarily represent an error.

Action

If a device must be processed by the action because recovery processing is in effect, specify the RCVRY option if applicable. Otherwise, no action is required.

EMCCX11I

Devices excluded, partner R2 not R/O

Cause

An #SC VOL command was issued with an action which may not be processed when the R2 device of a pair is write-enabled. (For example, RDF_RSUM.) Consequently, the device is excluded from processing by the command.

Action

None. This is not necessarily an error condition. However, it may be appropriate to issue an #SC VOL command with an R/O action so that the device is no longer write-enabled, and then reissue the command.

EMCCX12I

Devices excluded, partner R1 not RNR

Cause

An #SC VOL command with an action of INVALIDATE was issued to one or more R2 devices, and the R1 partners of those devices were not set to RDF-NRDY (RNR) status. It is required that the R1 be set to RNR state in order to prevent host I/O while the R1<R2 full volume resynchronization recovery procedure is being performed. See Recovery Procedure 6 in the *SRDF Host Component for z/OS Product Guide*.

This message is followed by a list of the R2 devices that were excluded.

Action

Issue a #SC VOL command to set the corresponding R1 devices to RDF-NRDY state and then re-issue the INVALIDATE for the excluded R2 devices.

EMCCX13I

Devices now R22, link block set on R2 mirrors

Cause

An #SC VOL command was issued with a SWAP or CREATEPAIR action that resulted in the creation of one or more R22 devices. However, for the devices listed, R22 validation to ensure a common R11 source device for the R22 devices has failed, so the R2 mirror that existed prior to the action has been blocked. For example, if a CREATEPAIR action results in a second R2 mirror, that second R2 mirror is blocked by the operating environment but no message is issued. The R22 device is then validated. If the R22 device is not valid (that is, it has no unique R11 source), the first R2 mirror, which existed prior to the CREATEPAIR action and which was not blocked before the CREATEPAIR, is now blocked and message EMCCX13I is issued.

Action

None

EMCCX14I

Devices no longer R22, link blocks cleared

Cause

An #SC VOL command was issued with a SWAP, HSWAP, DELETEPAIR, or HDELETEPAIR action that has resulted in each R22 device listed becoming an R2 or R21 device. The remaining R2 mirrors have been unblocked for the devices listed.

Action

None

EMCCX15I

Devices excluded, R2 partner copy-inhibited

Cause

An #SC VOL command was issued with a CREATEPAIR, SWAP, or RDF_RSUM action. However, for the devices listed, the action was disallowed because the Inhibit Outboard Copy flag was set. If the FORCE option was specified, the action will be processed for eligible devices.

Action

None.

EMCCX16I

```
Link-block switched on R22 for resume action
```

Cause

An #SC VOL RDF_RSUM or CASRSUM action was processed. For the resumed R1 devices listed, the R22 partner was found to be link-blocked on the mirror on which SRDF replication was to be resumed. The link-block was removed on that mirror to allow replication to proceed. The other R2 mirror on the partner device is now link-blocked.

Action

None.

EMCCX17I

```
R1 devices excluded, not RNR
```

Cause

An #SC VOL action that was directed to R1 devices could cause updating of R1 tracks from a partner R2 device. The action has been bypassed for the devices listed because they are in RDF_RDY state and could be written to simultaneously, possibly corrupting data on the R1 device.

Action

None.

EMCCX18I

```
R1 devices not eligible for action, skipped
```

Cause

An #SC VOL action that applies only to R2 devices was issued, and the R1 devices listed were found in the range. The action has therefore been bypassed for these devices.

Action

None.

EMCCX19I

```
R2 devices not eligible for action, skipped
```

Cause

An #SC VOL action that applies only to R1 devices was issued, and the R2 devices listed were found in the range. The action has therefore been bypassed for these devices.

Action

None.

EMCCX1AI

```
Group not specified for concurrent device
```

Cause

An #SC VOL command was issued for an R11 device and the SRDF group was not provided.

Action

The SRDF group is required to identify the SRDF mirror. Specify the SRDF group in the command and retry.

EMCCX1DI

```
Device is a TF/CLONE/SNAP target device
```

Cause

An #SC VOL command was issued and one or more devices in the requested range were the target of a local replication process.

Action

The action is not allowed while the device is the target of local replication.

EMCCX1FI

```
NADCOPY devices skipped, not eligible for action
```

Cause

An #SC VOL command with the ADC_MAX action was issued against a range of devices that included devices not in a Adaptive Copy operation mode. A list of PowerMax or VMAX device numbers or ranges that are not in an Adaptive Copy mode are displayed in subsequent lines of this multiline message.

Action

The devices that are not in an Adaptive Copy mode are excluded from the requested action.

EMCCX20I

```
RNR devices skipped, may not be set UNR
```

Cause

An SRDF Host Component #SC VOL command with the USR_NRDY action was being processed. This action sets the storage system status of devices to user-not-ready (UNR). However, the devices listed have a storage system status of RDF-not-ready (RNR), and are ineligible to be set user-not-ready. These devices are consequently skipped. This is not an error condition; other eligible devices will still be processed by the command.

Action

None.

EMCCX21I

```
Devices skipped, already UNR
```

Cause

An SRDF Host Component #SC VOL command was being processed whose action (RDF_NRDY or USR_NRDY) sets the storage system status of devices to RDF-not-ready (RNR) or user-not-ready (UNR). However, the devices listed already have a storage system status of user-not-ready, and are therefore ineligible to be processed by the current action. The devices are consequently skipped. This is not an error condition; other eligible devices will still be processed by the command.

Action

None.

EMCCX22E

Devices skipped, not UNR

Cause

An SRDF Host Component #SC VOL command with the USR_RDY action was being processed. This action removes the user-not-ready (UNR) storage system status of devices. However, the devices listed do not have storage system status user-not-ready, and are therefore ineligible to be processed by the USR_RDY action. These devices are consequently skipped. This is not an error condition; other eligible devices will still be processed by the command.

Action

None.

EMCCX23I

R21->R2 pair suspended, R21 diskless, cannot ready R1

Cause

An #SC VOL command with a VALIDATE or INVALIDATE action was issued to the paired devices whose pairs have synchronization direction R1>R2. However, for each device listed, the device pairs of which it is a member is the R1-R21 pair of a cascaded triplet in which the R21 device is diskless and each component device pair is suspended. In such a state, the R1-R21 device pair is prevented from becoming ready. For this reason, the action is suppressed for the devices listed.

Action

Perform the recovery procedure for the R21-R2 pairs of each cascaded triplet prior to performing the recovery procedure for the R1-R21 pairs. Alternatively, if operationally appropriate to your configuration and device status, you may perform a DELETEPAIR or HDELETEPAIR action against the R2 mirror of the R21 devices and then reissue the command.

EMCCX24I

R1 devices excluded, not RNR

Cause

An #SC VOL command was issued against a range of devices that included R1 devices that were not in an RNR state. The devices were skipped.

Action

If desired, issue the #SC VOL command with the RDF_NRDY action to set the R1 not ready to the host and re-issue the failing command.

Review the description of recovery procedures in the *SRDF Host Component for z/OS Product Guide*.

EMCCX25E

CSC is not responding request has timed out

Cause

A command was sent to another LPAR using the CSC (Cross Systems Communication) component of Mainframe Enablers. Host Component waited 6 minutes for a response and then stopped waiting.

Action

Check the SCF address space for CSC messages that may indicate a problem with that facility. Resolve the CSC problem and then retry the action.

EMCCX29I

TF (BCV) devices in Established or Restored state

Cause

An #SC VOL command was issued that included BCV devices that were in the Established or Restored state. The listed devices are skipped and the operation continues.

Action

Check the listed devices to see if further action is required.

EMCCX2AE

Unable to determine Sync-direction

Cause

An #SC VOL command was issued that required the sync-direction to be set in accordance with the requirements of the recovery procedures. SRDF Host Component was unable to determine the synchronization direction that was applicable for the requested action.

Action

Verify that synchronization direction is set as appropriate. If the problem persists, contact the Dell EMC Customer Support Center for assistance.

EMCCX2BI

Sync-direction not set

Cause

An #SC VOL command was issued that required the synchronization direction to be set in accordance with the requirements of the recovery procedures and the synchronization direction was found to be set to NONE.

Action

Set the synchronization direction as appropriate.

EMCCX2DI

Device(s) in the SoftFence state, skipped

Cause

An #SC VOL command was issued and either the gatekeeper device or the target device was in a SoftFence state. The action is not allowed to be issued to a device in a SoftFence state.

Action

None.

EMCCX2EI

Write-enabled devices skipped, not eligible for action

Cause

An #SC VOL command was issued with the RDF_WR_ENABLE action but a requested device was already in a write-enabled state. The device is skipped and processing continues.

Action

None.

EMCCX2FI

Devices skipped, already RNR

Cause

An #SC VOL command was issued with the USR_NRDY action but a requested device was already in an RDF_NRDY state. The device is skipped and processing continues.

Action

If you wish to place the device in a USR_NRDY state, first use the RDF_RDY action to remove the RDF_NRDY state.

EMCCX30I

Guest OS device(s) skipped

Cause

An #SC VOL command was issued with the USR_RDY or USR_NRDY action but a requested device was a guest operating system device. The device is skipped and processing continues.

Action

None.

EMCCX31I

CKD device(s) skipped *ccuu*

Cause

This is confirmation that a #SC VOL command issued with the NOEXEC command action option did not process the listed devices.

Action

None.

EMCCX32I

Action denied, R1 device(s) diskless

Cause

An #SC VOL command was issued with the RFR_RSUM or RNG_RSUM action without the RCVRY option but the requested R1 device was diskless. The device is skipped and processing continues.

Action

None.

EMCCX33I

Action denied, R2 device(s) diskless

Cause

An #SC VOL command was issued with the RFR_RSUM or RNG_RSUM action without the RCVRY option but the requested R2 device was diskless. The device is skipped and processing continues.

Action

None.

EMCCX34E

I/O should be drained by box before DELETEPAIR

Cause

An #SC VOL DELETEPAIR command was issued but the specified pair had an SRDF/A session with non-empty cycles. The DELETEPAIR action was canceled.

Action

Wait for the indicated condition to end and retry.

EMCCX35E

Action denied, R1 device(s) parallel clone

Cause

An #SC VOL command was issued with the DELETEPAIR action but a requested R1 device was involved in parallel clone. The DELETEPAIR action was cancelled.

Action

Wait until the completion of parallel clone processing for the listed device.

EMCCX36E

Action denied, R2 device(s) parallel clone

Cause

An #SC VOL command was issued with the DELETEPAIR action but a requested R2 device was involved in parallel clone. The DELETEPAIR action was cancelled.

Action

Wait until the completion of parallel clone processing for the listed device.

EMCCX37E

Action blocked, local device(s) undergoing expansion:

Cause

The indicated local devices were undergoing expansion and therefore the action was blocked.

Action

Wait until expansion is completed and attempt the command again, or deselect the offending devices from the action.

EMCCX38E

Action blocked, remote device(s) undergoing expansion:

Cause

The indicated remote devices were undergoing expansion and therefore the action was blocked.

Action

Wait until expansion is completed and attempt the command again, or deselect the offending devices from the action.

EMCCX39E

Device pair(s) no longer eligible due to expansion:

Cause

While device validation processing was ongoing, it was determined that an expansion completed and the devices listed are no longer valid for the action.

Action

Verify that the device pair requested meets size requirements for the action submitted.

EMCCX3AI

CREATEPAIR of R21 to R22, skip to synchronize R2

Cause

An #SC VOL command was issued with a CREATEPAIR action that resulted in the creation of the pair R21 to R22. #SC VOL does not start the synchronization from R21 to R22.

Action

None.

EMCCX3BE

CREATEPAIR mixed pairs, only some pairs would be R21 to R22.

Cause

The device pairs that a single #SC VOL command with the CREATEPAIR action can create are all "R21 to R22" or are all not "R21 to R22". The command cannot create pairs where some are "R21 to R22" and others that are not "R21 to R22". The CREATEPAIR action was cancelled.

Action

Review the device range specified and retry the CREATEPAIR action with the appropriate device range. If necessary, issue multiple #SC VOL commands with a CREATEPAIR action.

EMCCY02I

SEMI-SYNC not supported on control unit, using SYNC

Cause

An #SC VOL command with a CREATEPAIR or SWAP action was issued specifying option SEMI-SYNC. However, the primary device of the new or swapped device pair resides on a storage system that does not support semi-synchronous replication mode. The action proceeds, but the device pair is in synchronous mode.

Action

None.

EMCCY03I

R/W and RDY specified, device pairs will be suspended

Cause

An #SC VOL command with a CREATEPAIR action was issued specifying options R/W and RDY but not specifying option SUSPEND. The use of the R/W and RDY options together requires that the SUSPEND option be specified as well. Consequently, the SUSPEND option has been set internally.

Action

None.

EMCCY04I

```
ADCOPY_WP option not valid for config - converting to ADCOPY_DISK.
```

Cause

An SRDF Host Component command was issued with the ADCOPY_WP option specified, but ADCOPY_WP is not supported on the current configuration. ADCOPY_DISK was used instead.

Action

None.

EMCCY05I

```
DEACT_TO_ADCOPY invalid for config - converting to  
DEACT_TO_ADCOPY_DISK
```

Cause

An SRDF Host Component command was issued with the DEACT_TO_ADCOPY option specified, but DEACT_TO_ADCOPY is not supported on the current configuration. DEACT_TO_ADCOPY_DISK was used instead.

Action

None.

EMCCY10I

```
ADCOPY_WP option not valid for config - converting to ADCOPY_DISK.
```

Cause

The ADCOPY_WP option was specified on an SC VOL action, but is not supported in the configuration. Instead of failing the action, the ADCOPY_WP option has been converted to ADCOPY_DISK and the action processing continues.

Action

No action is required if the conversion to ADCOPY_DISK is acceptable. If the ADCOPY_DISK option is not wanted, do not specify the ADCOPY_WP (or ADCOPY) option on the command and there will be no conversion to ADCOPY_DISK. To turn off the ADCOPY_DISK, use the SC VOL NADCOPY command action.

EMCDD00D

```
--- message-text ---
```

Cause

This message follows EMCDD12D, and contains variable diagnostic data. This is a diagnostic message issued as a result of a Dell EMC API processing error.

Action

Collect the SRDF Host Component job log and contact the Dell EMC Customer Support Center for assistance.

EMCDD12D

```
R15= 00000018 EMCSAII/EMCSAIO DSECT(S) BELOW
```

Cause

This a diagnostic message issued as a result of a Dell EMC API processing error. This message is followed by EMCDD00D, which provides variable diagnostic data.

Action

Collect the SRDF Host Component job log and contact the Dell EMC Customer Support Center for assistance.

EMCDD14E

```
FC03_CMD_XIT4 - RSN=xx, CMD=xx, PRM1=xxxxxxxx, PRM2=xxxxxxxx
```

Cause

An error occurred while trying to issue an #SC command to a storage system. This message is accompanied by another message that further defines the problem.

Action

Look for an accompanying message. If necessary, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

EMCDD17D

```
R15= xxxxxxxx yyyyyyyy DSECT(S) BELOW
```

Cause

This a diagnostic message issued as a result of an error having been returned from an SRDF/A API request. This message is followed by EMCDD00D, which provides variable diagnostic data.

Action

Collect the SRDF Host Component job log and contact the Dell EMC Customer Support Center for assistance.

EMCDU00E

```
RCVT NOT FOUND
```

Cause

The address of RCVT table is not found.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCDU01E

```
SSCT NOT FOUND
```

Cause

An SRDF subsystem ID (the one that you specified in your start task parameter file) is not found in the system.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCDU02E

```
SSCT FAILED VALIDATION
```

Cause

The SSCT ID for SRDF Host Component is invalid.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCDU03E

SSVT NOT FOUND

Cause

The SSVT for SRDF Host Component was not found.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCDU04E

RCVT FAILED VALIDATION

Cause

The RCVT table ID is invalid.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCDU05E

CNTLUNIT TABLE FAILED VALIDATION

Cause

The CNTLUNIT table ID is invalid.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCDU06E

DEVICE TABLE FAILED VALIDATION

Cause

The DEVICE table ID is invalid.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCDU07E

SSID TABLE FAILED VALIDATION

Cause

The SSID table ID is invalid.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

EMCDU08E

MESSAGE TABLE FAILED VALIDATION

Cause

The MESSAGE table ID is invalid.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCDU09E

VSAM FILE PARAMETER AREA FAILED VALIDATION

Cause

An internal error has been detected; the eye catcher for the VSAM FILE PARAMETER AREA is not correct.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCDU10I

```
TRC:xxxxxxxx xH.MM.SS xxxx x99 TCB:xxxxxxxx xxxxxx
```

Cause

A trace entry is being displayed from the DEBUG DUMP command.

Action

None.

EMCDU20E

HCTCB FAILED VALIDATION

Cause

An internal control block has been corrupted and was detected during a DEBUG DUMP command.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCDU21E

RANGELST FAILED VALIDATION

Cause

An internal control block has been corrupted and was detected during a DEBUG DUMP command.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCDU22E

DEVMASK FAILED VALIDATION

Cause

An internal control block has been corrupted and was detected during a DEBUG DUMP command.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCDU23E

HCRQE FAILED VALIDATION

Cause

An internal control block has been corrupted and was detected during a DEBUG DUMP command.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCDU24E

RAIDGRUP FAILED VALIDATION

Cause

An internal control block has been corrupted and was detected during a DEBUG DUMP command.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCER01E

HOST COMPONENT INTERNAL ERROR *error-string*

Cause

An error was detected which requires diagnosis and resolution by Dell EMC.

Action

Report the error and the exact error string to the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCGM00E

SPECIFIED CUU NOT FOUND OR NOT A DIRECT ACCESS DEVICE

Cause

For all SRDF Host Component commands that require specification of an MVS device, a specified cuu does not match any defined to the MVS image, or the device addressed by the specified cuu is not a direct access device.

Action

Issue an MVS'D U' operator command to determine if the device exists, and if it does, its device type. Reenter the command, specifying an existing direct access device.

EMCGM01E

NOT AN EMC DEVICE, CUU=*ccuu*

Cause

An #SQ VOL,*p1,p2* or #SC VOL,*p1,p2,p3* command was issued with *p1=ccuu* and *p3=symdv#* parameters to a device that is not a PowerMax or VMAX device.

Action

Issue an #SQ SSID,ALL command to make sure the device is not a PowerMax or VMAX device by checking the flag field. If the flag has indicated the device is a PowerMax or VMAX device, contact the Dell EMC Customer Support Center.

EMCGM02E

MUST BE A 5000 SERIES OR HIGHER

Cause

An #SQ VOL,*p1,p2* command was issued with *p1=ccuu* and *p2=countparameters*, but the storage system is not Symmetrix 5000.

Action

Run an #SQ SSID,ALL command to list all SSID(s) and then check the flag that is associated with the cuu to make certain that it is not a Symmetrix 5000 series. If it is, contact the Dell EMC Customer Support Center.

EMCGM03E

NON-ZERO RETURN CODE FROM PROCNTL

Cause

This error message is usually generated along with other error messages when an error occurred during a process of an #SC or #SQ command.

Action

None.

EMCGM04E

CNTLUNIT FAILED VALIDATION

Cause

The storage system table ID is invalid.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCGM05E

MICROCODE LEVEL FOR THIS CONTROLLER IS BELOW THE MINIMUM REQUIREMENT

Cause

An SRDF Host Component command was issued to the storage system that has an operating environment level earlier than 5060.

Action

None.

EMCGM06W

Save the SCF trace dataset. Important diagnostic error information has been recorded.

Cause

An error has been encountered and important diagnostic information has been written to the SCF trace dataset concerning this error. This message follows other error messages when additional diagnostic information has been recorded to the SCF trace dataset for them.

Action

Save the SCF trace dataset and contact the Dell EMC Customer Support Center.

EMCGM07I

COMMAND COMPLETED

Cause

This message is issued when SRDF Host Component has completed a process of command.

Action

None.

EMCGM08E

DEVTABLE AT *table-address* FAILED VALIDATION

Cause

The DEVTABLE table ID is invalid.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCGM09E

ERROR OCCURRED CREATING DEVTABLE

Cause

Invalid data occurred.

Action

Check the information in EMCGM08E. Then contact the Dell EMC Customer Support Center.

EMCGM10E

COMMAND ABORTED

Cause

SRDF Host Component discontinued a process of the command due to one of the following conditions:

1. The operator responded to cancel the command.
2. Invalid data occurred.
3. For an #SC VOL command, after completion of filtering based on device state and attributes to ascertain those devices against which the command can appropriately be executed, no devices were found to be eligible.

For example, this message would be issued as a result of an RDF_RSUM action that specifies a device range and an SRDF group to which no devices in the specified range belong.

Action

Refer to those messages that displayed immediately before this one, or contact EMC Customer Support Center when necessary. If the message was issued for reason 3 above, SRDF Host Component will have already issued other messages giving specific reasons for the elimination of devices from consideration.

Note that for certain types of devices such as meta members, vault devices, COVD devices, and in some circumstances FBA devices, no such reason-specific message is issued. An example of a reason for eliminating a device from consideration is that the device does not belong to the SRDF group you specified in the command; the ID of the corresponding reason-specific message is EMCCV79I. There can be many reasons for eliminating a device from consideration: a device could be R2, have invalid tracks, be in a Star group, and so forth. Each different reason for not processing one or more devices has a different message. Note that the elimination of a device from consideration is not considered an error condition, but merely a result of the restrictions specified in or implied by the entered command. If all devices are eliminated from consideration, internal command processing ceases and message EMCGM10E is issued. Otherwise, the message does not appear and command processing proceeds against the remaining devices.

EMCGM11I

SRDF-HC DISPLAY FOR #SQ CNFG, *text*

Cause

An #SQ CNFG command was issued.

Action

None. See the *SRDF Host Component for z/OS Product Guide* for information on this display.

EMCGM12E

VOLUME MUST NOT BE RDF-SUSP, ACTION NOT PERFORMED FOR DEVICE

syndv#

Cause

An #SC VOL RDF_SUSP command was issued, and the volume was already suspended.

Action

Check the device number and status. Check the SYSLOG for previously issued #SC VOL commands. If the problem persists, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

EMCGM13E

VOLUME IS NOT RDF-SUSP, ACTION NOT PERFORMED FOR DEVICE *syndv#*

Cause

An #SC VOL RDF_RSUM command was issued for an R1 device that was not currently in an RDF-SUSP status.

Action

Use the #SQ VOL command to determine the status of the device.

EMCGM14E

ACTION FAILED FOR RDFCNFG FILE, RC/RS=xxxxxxxx, FEEDBACK=yyyyyyyyy

Cause

An I/O request to the RDFCNFG file failed.

Action

Check to see that the RDFCNFG DD statement in the EMCINIT proc is correct and that the VSAM file is defined correctly. Check for any error message in the log and take appropriate action. If the problem persists, search Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

EMCGM16E

DEVTABLE ENTRY NOT FOUND

Cause

The address of DEVTABLE table cannot be found.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCGM17E

CUU *ccuu* IS FBA, UNABLE TO ACCESS USING THIS CUU

Cause

An SRDF Host Component command was issued, and the CUU specified (or the first CUU in the specified range) was an FBA device. SRDF Host Component is unable to process the request using this device as the I/O path.

Action

Reenter the command specifying a non-FBA device as the CUU (or the first CUU in the range), or verify that the CONFIG_FBA is enabled in #SQ GLOBAL, and reissue the command.

EMCGM19E

```
PORT ACTION REQUIRES UCODE LEVEL AT LEAST 5977
```

Cause

A command was issued with the specified PORT action and the storage system was running operating environment level lower than 5977.

Action

Remove the PORT action parameter and resubmit the command.

EMCGM20E

```
SAICALL FAILED R15=xxxxxxxx RC=xxxx RS=xxxx CUU=xxxx
```

Cause

An error occurred in the Symmetrix API.

Action

When RC=0014 and RS=0051, the device specified in the SRDF Host Component command is not available to the host system. Check to see that the correct device number was specified and that the device is physically available. Enter a "D U" MVS operator command and ensure that the device status does not indicate "BOX." Enter a "DEVSERV PATH" MVS operator command to ensure that there is at least one operational path to the device. For any other RC and RS combination, contact the Dell EMC Customer Support Center.

EMCGM23E

```
ccuu I/O ERROR, INFO: aaaaaaaaa bbbbbbbb ccccccc dddddddd VID:  
eeeeeeee
```

Cause

An I/O error occurred in the Symmetrix API. In the message:

- *ccuu* - Indicates the MVS device number of the device to which the I/O was done.
- *aaaaaaaa* - UCB address.
- *bbbbbbbb* - R15 on return from the API.
- *ccccccc* - Return code in the first 2 bytes and the reason code in the last 2 bytes.
- *ddddddd* - r1 on return from the API.
- *eeeeeeee* - API function name.

Action

See the description of message EMCGM20E for the interpretation of the return code and reason code contained in the *ccccccc* field.

EMCGM24E

```
CONTROL UNIT IS NOT FOR AN EMC DEVICE
```

Cause

A command was issued to an SSID(*ssid*), and the SSID is for a storage system that is not a Dell EMC storage system.

Action

Only issue commands using the SSID(*ssid*) for an SSID belonging to a Dell EMC storage system.

EMCGM25E

```
SYMM CMD ERR: CMD=xyy ERR=aabb text-msg
```

Cause

A command was issued to the storage system but the command failed. In the message, *xx* is the command code. If *xx* is 'BC' then *yy* will indicate the command that was being broadcast. *aabb* indicates the error codes that were returned by the storage system. *text-msg* indicates the reason for the failure.

Action

Look for subsequent messages that further describe the problem. If you are unable to resolve the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

EMCGM30E

```
UNABLE TO DETERMINE RDF STATE, COMMAND ABORTED
```

Cause

During #SQ VOL or #SC VOL command processing, SRDF Host Component attempted to determine the SRDF state of PowerMax or VMAX devices and was unable to do so. SRDF Host Component retries the operation three times before issuing this message.

Action

Wait a few moments, and try the command again. If the problem persists, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

EMCGM40I

```
COMMAND HAS FINISHED FOR BOX symmserial
```

Cause

A configuration command was issued and has finished. This message indicates which storage system the command was executed on.

Action

None.

EMCGM41I

```
REQUESTED DEVICES - Count=count  
<list of devices>
```

Cause

A configuration command was issued and has finished. This message indicates which PowerMax or VMAX device(s) the command was requested to execute on.

Action

None.

EMCGM42I

```
ELIGIBLE DEVICES - Count=count  
<list of devices>
```

Cause

A configuration command was issued. This message indicates which PowerMax or VMAX device(s) are eligible to be operated on by this command.

Action

None.

EMCGM43I

```
COMPLETED DEVICES - Count=count
<list of devices>
```

Cause

A configuration command was issued and has finished. This message indicates which PowerMax or VMAX device(s) the command was successfully executed on.

Action

None.

EMCGM44E

```
MESSAGE PROCESSING EXIT NOT AVAILABLE
```

Cause

An #SC GLOBAL,MSGX,ON command was requested, but module EMCMSGX was not found in the SRDF Host Component linklib during subsystem initialization.

Action

See the *ResourcePak Base for z/OS Product Guide* for more information about the message exit facility.

EMCGM45W

```
{LOK|STG} DE-REGISTER ERROR: REQUESTED RESOURCE NOT REGISTERED
```

Cause

Lock registration and storage registration are used to support the SRDF Host Component resource manager. When SRDF Host Component gets a device lock or obtains CSA or SQA storage, it is registered as a resource. When it frees the lock or the storage, it de-registers the resources. At main task or address space termination, the resource manager gets control and attempts to free any locks and storage that has been registered. This prevents locks and common storage from being left orphaned. This error message indicates that, during the process of freeing a resource, a de-register was issued but the resource was not registered. This does not indicate that the requested resource, lock, or storage area was not freed; rather it indicates a problem tracking the resources.

Action

Collect diagnostic information and report this error to the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all job documentation.

EMCGM47I

```
Command environment x on box symmserial
```

Cause

An #SC VOL command was issued with a composite action. Composite actions operate on devices or device pairs grouped according to the local storage system; each group is known as an environment for the composite action. This message indicates the storage system that functioned as the local storage system for the devices listed in subsequent detail messages. The environment number appearing in the message serves as a sequence

number for the processing environment, but otherwise has no special significance. It will usually (but not always) be the case that the remote storage system for environment 1 is the local storage system for environment 2.

Action

None.

EMCGM48I

```
Requested devices - Count=count  
<list of devices>
```

Cause

An #SC VOL command was issued with a composite action. For the environment whose device details are currently being displayed, this message indicates those devices that have passed phase 1 filtering as described in the *SRDF Host Component for z/OS Product Guide*. Other messages may appear describing the reasons for devices having been excluded during phase 1 filtering.

Action

None.

EMCGM49I

```
Eligible devices - Count=count  
<list of devices>
```

Cause

An #SC VOL command was issued with a composite action. For the environment whose device details are currently being displayed, this message indicates those devices that have passed phase 2 filtering as described in the *SRDF Host Component for z/OS Product Guide*. Other messages may appear describing the reasons for devices having been excluded during phase 2 filtering. Depending on the action requested and the reason for exclusion, processing may or may not proceed for the command issued. If processing proceeds, the devices processed are those listed in this message.

Action

None.

EMCGM4AI

```
Completed devices - Count=count  
<list of devices>
```

Cause

An #SC VOL command was issued with a composite action. For the environment whose device details are currently being displayed, this message indicates those devices that have been successfully processed. Other messages may appear describing the reasons for devices having not been successfully processed.

Action

None.

EMCGM4BI

```
Command environment {1|2} on boxes symmserial-symmserial
```

Cause

An #SC VOL command was issued for a composite dynamic SRDF request and has completed. The message indicates the local and remote storage systems on which the

devices processed by the command reside for the indicated environment. Messages preceding and following this message may appear listing devices that were eligible for processing, ineligible for processing, successfully processed, or unsuccessfully processed by the command.

Action

None. However, actions may be appropriate in response to other messages issued as a result of processing the command.

EMCGM4CI

```
Command has finished for boxes symmserial-symmserial
```

Cause

An #SC VOL command was issued for a dynamic SRDF request and has completed. The message indicates the local and remote storage systems on which the devices processed by the command reside. Messages preceding or following this message may appear listing devices that were eligible for processing, ineligible for processing, successfully processed, or unsuccessfully processed by the command.

Action

None. However, actions may be appropriate in response to other messages issued as a result of processing the command.

EMCGM4DI

```
Requested FBA Meta members - Count=count  
<list of devices>
```

Cause

An #SC VOL command was issued and FBA meta head devices were found among the devices to be processed by the command. The corresponding FBA meta members were added to the list of requested devices.

Action

None.

EMCGM4EI

```
Eligible FBA Meta members - Count=count  
<list of devices>
```

Cause

An #SC VOL command was issued and FBA meta head devices were found among the devices to be processed by the command. The corresponding FBA meta members were added to the list of requested devices and were successfully validated.

Action

None.

EMCGM4FI

```
Completed FBA Meta members - Count=count  
<list of devices>
```

Cause

An #SC VOL command was issued and FBA meta head devices were found among the devices to be processed by the command. The corresponding FBA meta members were added to the list of requested devices and were successfully processed.

Action

None.

EMCGM51E

```
CUU ccuu does not have a valid label
```

Cause

An #SC VOL command with the SUSP_CGRP action has been issued on the CUU with an invalid label.

Action

Specify CUU with a valid label and retry.

EMCGM52I

```
Desired state devices - Count=count  
<list of devices>
```

Cause

An SC VOL command with the TDS option was issued and found the device(s) is in the desired state. The command processing for the device is skipped but tolerated as if command processing for the device is completed.

Action

None.

EMCGM81I

```
SRDF-HC DISPLAY FOR #SQ ADC, text
```

Cause

An #SQ ADC command was issued.

Action

None. See the *SRDF Host Component for z/OS Product Guide* for information on this display.

EMCGM96I

```
LOG FILE NOT DECLARED, COMMAND LOGGING WILL NOT BE DONE
```

Cause

During SRDF Host Component initialization, it was determined that no DD statement was provided in the EMCINIT procedure to define the log file(s). No command logging is performed.

Action

None.

EMCGM99E

```
UNEXPECTED CONDITION CODE= mmm/xxxx diagnostic_data
```

Cause

An unexpected condition has occurred in SRDF Host Component.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

EMCGM9BI

```
CANNOT USE UCB AT ucb-address - SYMDEVICE syndv# BECAUSE IT IS A  
VIRTUAL DEVICE
```

Cause

A virtual device is attempting to be used for an I/O path. Virtual devices cannot be used for an I/O path.

Action

Use a different device in the storage system.

EMCGM9CE

```
SSID_REFRESH MAXIMUM LOOP ERROR - FINAL CUU ccuu
```

Cause

An internal logic problem has been detected.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCGM9DI

```
SSID_REFRESH LOOP COUNT count
```

Cause

This message is issued to the HCLOG and is for diagnostic purposes only.

Action

None.

EMCGM9EE

```
DYNAMIC SWAP DETECTED FOR DEVICE ccuu. DEVICE MOVED FROM  
SYMMETRIX symmserial TO SYMMETRIX symmserial. SSID_REFRESH MUST BE  
ISSUED BEFORE DEVICE ccuu CAN BE USED.
```

Cause

This message was issued because a UCB has been dynamically moved from one storage system to another.

Action

When all dynamic swapping completes, issue an #SC GLOBAL,SSID_REFRESH command.

EMCGM9FE

```
SSID_REFRESH MUST BE ISSUED BEFORE DEVICE syndv# CAN BE USED
```

Cause

This message was issued because a UCB has been dynamically moved from one storage system to another.

Action

When all dynamic swapping completes, issue an #SC GLOBAL,SSID_REFRESH command.

EMCGMA1E

```
Host Component/SCF did not discover any EMC controllers.
```

Cause

The SRDF Host Component task has been started with no available Dell EMC systems. Consequently, the SRDF Host Component heartbeat task is unable to communicate.

Action

Check that not all MVS devices on Dell EMC storage systems have been excluded by SRDF Host Component and SCF exclude statements. Restart SRDF Host Component and SCF with a configuration that provides access to at least one storage system.

EMCGMA2E

```
No connected RDF directors found in group srdfgrp
```

Cause

A command was issued which was required to run on an SRDF director that is assigned to the specified SRDF group and which has connectivity to the remote storage system associated with that SRDF group. None of the directors assigned to the SRDF group have connectivity to the remote storage system.

Action

Check the connectivity to the remote storage system. Check that all cables are tightly connected, and that the zoning is correct in any network switches. Issue an `#SQ RDFGRP,uu,RA(srdfgrp)` for the specified SRDF group. Only SRDF directors that have connectivity will display. Modify the SRDF group to include directors with connectivity to the remote storage system. Use the `#SQ LINK` or `#SQ CNFG` commands to verify that directors assigned to the group are online. Use the `#SC LINK` command to set offline directors to an online state.

EMCGMA3E

```
Scratch area R/W error: message-text
```

Cause

SRDF Host Component attempted to read or write to the storage system Scratch area and the attempt failed. In the message, *message-text* indicates the nature of the failure. *message-text* will be one of the following:

- Read scratch area failed - An attempt to read information from the scratch area failed.
- Write scratch area failed - An attempt to write information to the scratch area failed.
- I/O timeout - The I/O operation timed out.
- FC01 failed - An attempt to read the serial number and operating environment level on the gatekeeper failed.

If any other message appears or if the cause of this error is not apparent, collect SCF trace information for Dell EMC service personnel.

Action

Look for message EMCGMA4E to follow. This will indicate the serial numbers of the storage systems involved. Run `#SQ RDFGRP` commands for the groups in the hoplist. Ensure that the SRDF directors involved are online.

EMCGMA4E

```
LSER: local-symmserial Hops: hoplist RSER: remote-symmserial
```

Cause

This message immediately follows message EMCGMA3E and indicates the storage systems involved in the error. In the message, *local-serial* indicates the storage system serial number of the locally attached storage system, *hoplist* indicates the hop list used to get to the remote system and *remote-serial* indicates the storage system serial number of the remote storage system.

Action

Use this message to help diagnose the cause for message EMCGMA3E.

EMCGMA6E

```
Bad function code in MSPLFC = xxxx
```

Cause

SRDF Host Component message processing was called with an invalid parameter list.

Action

Capture the SRDF Host Component job log along with the raw SCF trace data.

EMCGMA7E

```
Message id not found in msgtbl : ccccccc
```

Cause

SRDF Host Component message processing was called with a message ID that could not be located in the message table. This could be the result of incomplete or incorrect maintenance having been applied. In the message, *ccccccc* identifies the message.

Action

Check that recent maintenance to SRDF Host Component was correctly and completely applied. If the problem persists, capture the SRDF Host Component job log along with the raw SCF trace data.

EMCGMA8E

```
MASK validation error for message ccccccc
```

Cause

SRDF Host Component message processing was called with an invalid device mask. *ccccccc* identifies the message.

Action

Capture the SRDF Host Component job log along with the raw SCF trace data.

EMCGMA9E

```
Non-zero return code from BLDRANGE = xxxxxxxx for message ccccccc
```

Cause

SRDF Host Component message processing was unable to convert the device mask to a list of device ranges. *xxxxxxx* indicates the return code from the conversion routine and *ccccccc* identifies the message.

Action

Capture the SRDF Host Component job log along with the raw SCF trace data.

EMCGMAAE

```
Message buffer failed validation for message ccccccc
```

Cause

SRDF Host Component message processing detected an invalid message buffer. ccccccc identifies the message.

Action

Capture the SRDF Host Component job log along with the raw SCF trace data.

EMCGP00E

```
(stmt#) COMMAND ISSUED TO A GROUP WITHOUT ANY INCLUDED DEVICES
```

Cause

An SRDF Host Component command was issued to a group name, but after the INCLUDE and EXCLUDE statements were applied, there were no applicable devices. This message shows the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Review the group definition and determine why no devices were selected.

EMCGP01E

```
(stmt#) GETMAIN FAILED WHILE PROCESSING A GROUP COMMAND
```

Cause

An SRDF Host Component command was issued to a group name, but SRDF Host Component was unable to obtain “above the line” private storage to resolve the group. This message shows the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Restart SRDF Host Component with a larger region size. If the problem persists, contact the Dell EMC Customer Support Center.

EMCGP02E

```
(stmt#) NO EXCLUDES FOUND AND WE ARE NOT FOR VOLUME
```

Cause

Internal logic error.

This message shows the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Contact the Dell EMC Customer Support Center.

EMCGP03E

```
(stmt#) WORKING DEVICE MASK NOT FOUND AFTER GETMAIN
```

Cause

Internal logic error. This message shows the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Contact the Dell EMC Customer Support Center.

EMCGP04E

```
(stmt#) GROUP INTERNAL ERROR - ANYPAT FAILURE
```

Cause

Internal logic error. This message shows the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Contact the Dell EMC Customer Support Center.

EMCGP05E

```
(stmt#) GROUP INTERNAL ERROR - ANYEVOL FAILURE
```

Cause

Internal logic error. This message shows the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Contact the Dell EMC Customer Support Center.

EMCGP06E

```
(stmt#) GROUP INTERNAL ERROR - DVMASK_NOT FAILURE
```

Cause

Internal logic error. This message shows the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Contact the Dell EMC Customer Support Center.

EMCGP07E

```
(stmt#) GROUP INTERNAL ERROR - ADDIVOL_IMASK FAILURE
```

Cause

Internal logic error. This message shows the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Contact the Dell EMC Customer Support Center.

EMCGP08E

```
(stmt#) GROUP INTERNAL ERROR - ADDIVOL FAILURE
```

Cause

Internal logic error. This message shows the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Contact the Dell EMC Customer Support Center.

EMCGP09E

```
(stmt#) GROUP INTERNAL ERROR - DVMASK_AND FAILURE
```

Cause

Internal logic error. This message shows the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Contact the Dell EMC Customer Support Center.

EMCGP10E

```
(stmt#) GROUP INTERNAL ERROR - DO_SRDF_GRP FAILURE
```

Cause

Internal logic error. This message shows the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Contact the Dell EMC Customer Support Center.

EMCGP11E

```
(stmt#) GROUP INTERNAL ERROR - QUEUE_REQUESTS FAILURE
```

Cause

Internal logic error. This message shows the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Contact the Dell EMC Customer Support Center.

EMCGP12E

```
(stmt#) GROUP MAXIMUM SOURCE LENGTH REACHED
```

Cause

Internal logic error. This message shows the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Contact the Dell EMC Customer Support Center.

EMCGP13E

```
(stmt#) GROUP SPECIFIC VOLUME NOT FOUND
```

Cause

The INCLUDE_VOL statement specifies an invalid volume. This message shows the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Correct the volume name in the INCLUDE_VOL statement.

EMCGP14E

```
(stmt#) GROUP INTERNAL ERROR - @MASKSET FAILURE
```

Cause

Internal logic error. This message shows the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Contact the Dell EMC Customer Support Center.

EMCGP15E

```
(stmt#) GROUP PATTERN NEEDS AT LEAST ONE SIGNIFICANT DIGIT
```

Cause

A pattern was specified for an INCLUDE_VOL or EXCLUDE_VOL without a single significant character. The pattern would not match anything. This message shows the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Correct the statement so the pattern matches at least one character.

EMCGP16I

```
INVALID DEVICE ccuu IN GROUP xxxxxxxx
```

Cause

An INCLUDE_RAG or EXCLUDE_SYM statement is being processed, and the indicated MVS device number is not valid. The indicated group cannot be built with this statement.

Action

Respond to message EMCGP17R that follows this message.

EMCGP17R

```
ENTER STOP OR CONTINUE
```

Cause

A condition occurred, which is described in the preceding message EMCGP16I or EMCGP18E.

Action

Reply STOP to immediately stop SRDF Host Component. Reply CONTINUE to ignore the error indicated in message EMCGP16I or EMCGP18E.

EMCGP18E

```
EXCLUDED DEVICE ccuu IN GROUP xxxxxxxx WILL NOT BUILD GROUP
```

Cause

An INCLUDE_RAG or EXCLUDE_SYM statement is being processed, and the indicated MVS device number is an excluded MVS device number. The indicated group cannot be built with this statement.

Action

Respond to message EMCGP17R that follows this message.

EMCHB03W

```
REMOTE HOST COMPONENT STOPPED COMMUNICATING, RA GROUP srdfgrp
```

Cause

This message is only issued when diagnostics are on.

Action

None.

EMCHB04I

```
HEARTBEAT TASK ALREADY ACTIVE
```

Cause

The undocumented command to activate the heartbeat task was issued, and the heartbeat task was already active.

Action

None.

EMCHB05I

HEARTBEAT TASK NOT ACTIVE

Cause

The undocumented command to deactivate the heartbeat task was issued, and the heartbeat task was not active.

Action

None.

EMCHB06I

HEARTBEAT TASK SUSPENDED

Cause

The undocumented command to deactivate the heartbeat task was issued, and the heartbeat task is now not active.

Action

None.

EMCHB07I

HEARTBEAT TASK RESUMED

Cause

The undocumented command to activate the heartbeat task was issued, and the heartbeat task is now active.

Action

None.

EMCHnnnlSYNTAX FOR *command***Cause**

A HELP SYNTAX command was issued for the indicated command. The corresponding EMCHnnnl message shows the command syntax.

Action

None.

EMCIN00E

OPEN FOR RDFPARM FAILED

Cause

Unable to open the SRDF initialization parameter file during the SRDF initialization process.

Action

Check your started task JCL to ensure the RDFPARM ddname points to the correct dataset (SRDF initialization parameter file). If it does, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

EMCIN01E

FIRST NON-COMMENT LINE MUST BE SUBSYSTEM_NAME

Cause

During the initialization process, the system has detected that the first keyword is not SUBSYSTEM_NAME in the SRDF Host Component initialization parameter file.

Action

Check the parameter file to make sure the first non-comment line is SUBSYSTEM_NAME. If it is, contact the Dell EMC Customer Support Center.

EMCIN02E

SUBSYSTEM NAME *name* NOT FOUND

Cause

The subsystem name that you have specified on SUBSYSTEM_NAME in the SRDF initialization parameter file is not found in z/OS.

Action

Check the IEFSSNxx member in the SYS1.PARMLIB library to make certain that your subsystem name has been defined to MVS. If it has been defined, contact your system programmer and ask him or her to investigate the problem. If the problem cannot be resolved, search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

EMCIN03I

EMC SUBSYSTEM USING COMMAND PREFIX *prefix*

Cause

The system informs you that it is using the specified command prefix previously defined in your SRDF initialization parameter file.

Action

None.

EMCIN04E

INVALID PARM ON SECURITY_QUERY KEYWORD

Cause

During the system initialization process, the system has detected that the invalid text has been specified on the SECURITY_QUERY keyword.

Action

Check your SRDF initialization parameter file to make sure that the specified text on the SECURITY_QUERY is correct. If it is, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

EMCIN05E

INVALID PARM ON SECURITY_CONFIG KEYWORD

Cause

During the system initialization process, the system has detected that the invalid text has

been specified on the SECURITY_CONFIG keyword.

Action

Check your SRDF initialization parameter file to make sure that the specified text on the SECURITY_CONFIG is correct. If it is, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

EMCIN06E

```
INVALID PARM ON MESSAGE_PROCESSING KEYWORD
```

Cause

During the system initialization process, the system has detected that the invalid text has been specified on the MESSAGE_PROCESSING keyword.

Action

Check your SRDF initialization parameter file to make sure that the specified text on the MESSAGE_PROCESSING is correct. If it is, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

EMCIN08E

```
KEYWORD keyword IS INVALID, WILL BE IGNORED
```

Cause

The keyword that you have used in your SRDF initialization parameter file is incorrect.

Action

Check your SRDF initialization parameter file against the *SRDF Host Component for z/OS Product Guide*.

EMCIN10I

```
Cascaded SRDF is {licensed|unlicensed}
```

Cause

SRDF Host Component has ascertained the status of Cascaded SRDF feature licensing. *Unlicensed* means that #SC VOL CREATEPAIR and SWAP actions that create cascaded (R21) devices are suppressed and an appropriate message is issued. If *licensed* appears, actions that create cascaded devices are allowed to proceed.

Action

None.

EMCIN11E

```
SUBSYSTEM subsystem IN USE
```

Cause

The subsystem that you have defined in your SRDF initialization parameter file is in use.

Action

If you intend to start another SRDF session, use a different subsystem name.

EMCIN12E

```
Invalid {MSC_SQAR|STAR-A} statement
```

Cause

The partner SQAR or Star-A group name was not specified.

Action

Add the name of the partner SQAR or Star-A group to the MSC_SQAR statement (after the ConGroup name for SQAR).

EMCIN13E

```
Invalid {MSC_SQAR|STAR-A} partner name groupname
```

Cause

The group name of the partner SQAR/Star-A group is invalid.

Action

Correct the partner SQAR/Star-A name on the MSC SQAR/Star-A statement. It must conform to the same criteria as the MSC group name.

EMCIN14E

```
ONE OR MORE REQUIRED KEYWORDS WERE NOT SPECIFIED
```

Cause

One or more required keywords were not specified in the SRDF initialization parameter file.

Action

Verify the SRDF initialization parameter file against the *SRDF Host Component for z/OS Product Guide*.

EMCIN15W

```
MESSAGE INTERFACE SETUP FAILED RC rc
```

Cause

During the initialization process, the MSGSERV load module was not found in the APF library.

Action

Check the APF library to see if the MSGSERV load module is missing. If it is, restore it from the SRDF installation pack.

EMCIN16I

```
MESSAGE INTERFACE INITIALIZED
```

Cause

The message interface routine has been enabled.

Action

None.

EMCIN17E

```
SUBSYSTEM INITIALIZATION FAILED. ACTION: rc  
text
```

Cause

The initialization process failed.

Where:

- *rc* is the return code from the failed z/OS API call.
- *text* is a description for the combination of the return code and reason code returned by z/OS.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

EMCIN18E

```
INVALID PARM ON OPERATOR_VERIFY KEYWORD
```

Cause

The OPERATOR_VERIFY initialization parameter statement was specified, but the value did not match one of the valid options.

Action

Correct the initialization parameter statement, and restart SRDF Host Component.

EMCIN19E

```
MESSAGE PROCESSING TABLE SIZE INVALID
```

Cause

The MESSAGE_PROCESSING initialization parameter was specified with a value for the message log size; however, the value was specified incorrectly.

Action

Specify a valid value. See the *SRDF Host Component for z/OS Product Guide* for the valid value range.

EMCIN21W

```
INSUFFICIENT CSA STORAGE TO ALLOCATE MESSAGE TABLE FEATURE  
DISABLED
```

Cause

The MESSAGE_PROCESSING=YES initialization parameter was specified; however, not enough CSA storage is available to hold the message table. Initialization continues as if MESSAGE_PROCESSING=NO was requested.

Action

Either decrease the number of entries in the message table or change your z/OS initialization parameters to increase the amount of available CSA.

EMCIN22E

```
SYNCH_DIRECTION_ALLOWED INVALID
```

Cause

The SYNCH_DIRECTION_ALLOWED parameter was included in the initialization file; however, the value specified was not one of the valid options.

Action

Review the initialization parameters, and correct the error.

EMCIN23E

```
SYNCH_DIRECTION_INIT INVALID
```

Cause

The SYNCH_DIRECTION_INIT parameter was included in the initialization file; however, the value specified was not one of the valid options.

Action

Review the initialization parameters, and correct the error.

EMCIN24E

```
SYNCH_DIRECTION_INIT CONFLICTS WITH SYNCH_DIRECTION_ALLOWED
```

Cause

The SYNCH_DIRECTION_INIT parameter was included in the initialization file; however, the value specified conflicts with the value specified for the SYNCH_DIRECTION_ALLOWED parameter.

Action

Review the initialization parameters, and correct the error.

EMCIN25E

```
EXCLUDE_DEVICE_RANGE INVALID RANGE SPECIFIED, invalid_value
```

Cause

An EXCLUDE_DEVICE_RANGE parameter was encountered in the initialization parameters with an invalid value.

Action

Correct the invalid value, and restart SRDF Host Component.

EMCIN26E

```
GETMAIN FAILED FOR EXCLUDED DEVICE LIST
```

Cause

A request for storage for the EXCLUDED DEVICE TABLE failed due to insufficient storage.

Action

Check the REGION size for SRDF Host Component. Check with your systems programmer.

EMCIN27E

```
TOO MANY EXCLUDED DEVICE RANGES REQUESTED
```

Cause

More than 128 EXCLUDE_DEVICE_RANGE lines were found in the initialization file.

Action

Correct the initialization parameters, and restart SRDF Host Component.

EMCIN28W

```
SYNTAX ERROR ON ALIAS=RECORD, ENTRY alias-entry
```

Cause

The value specified for the ALIAS statement is incorrect.

Action

Review the initialization parameter, and correct the error.

EMCIN29E

INSUFFICIENT PRIVATE STORAGE FOR ALIAS TABLE

Cause

ALIAS statements were specified in the initialization file; however, there is not enough private storage to be allocated for the ALIAS table.

Action

Check the REGION size for SRDF Host Component. If the region size appears to be large enough, check with your systems programmer, or contact the Dell EMC Customer Support Center.

EMCIN2AI

DISPLAY_MODE is invalid, defaulting to ON

Cause

The DISPLAY_MODE initialization parameter was specified with an invalid value.

Action

Specify a valid value following the instructions in the *SRDF Host Component for z/OS Product Guide*.

EMCIN2BI

DISPLAY_MODE was unspecified, defaulting to ON

Cause

The DISPLAY_MODE initialization parameter was not specified.

Action

The DISPLAY_MODE initialization parameter was not specified and will default to 4BYTE_ON.

EMCIN30W

LENGTH OF SAF PROFILE RESOURCE NAME CANNOT BE MORE THAN 35 CHARACTERS. THE APPEND_COMMAND=YES IGNORED

Cause

The SAF_PROFILE and APPEND_COMMAND=YES parameters were specified; however, the number of characters of the resource profile name is more than 35.

Action

Reduce the number of characters of the resource profile name, and then restart SRDF Host Component.

EMCIN31E

RACF IS NOT ACTIVE. SRDF HOST COMPONENT TERMINATED

Cause

Either SECURITY_QUERY=SAF or SECURITY_CONFIG=SAF was specified, but RACF is not active.

Action

Check with your systems programmers to ensure that RACF is not installed. If RACF is not installed, do not specify SECURITY_QUERY=SAF or SECURITY_CONFIG=SAF. If RACF is installed, contact the Dell EMC Customer Support Center.

EMCIN32E

RACF RCVT IS ZERO. SRDF HOST COMPONENT TERMINATED

Cause

Either SECURITY_QUERY=SAF or SECURITY_CONFIG=SAF was specified; however, RACF CVT is zero but RACF is active.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCIN33E

THE RELEASE OF RACF BELOW 1.9. SAF NOT SUPPORTED

Cause

Either SECURITY_QUERY=SAF or SECURITY_CONFIG=SAF was specified; however, the release of RACF is below 1.9. Therefore, SAF is not supported.

Action

Do not specify SECURITY_QUERY=SAF or SECURITY_CONFIG=SAF, and restart SRDF Host Component.

EMCIN37E

INVALID VALUE SPECIFIED ON SMFREC PARAMETER

Cause

The SMFREC initialization parameter was specified; however the value provided for the SMF record number was not a decimal number in the range of from 128 to 255.

Action

Correct the SMFREC parameter statement following the instructions in the *SRDF Host Component for z/OS Product Guide*, and restart SRDF Host Component.

EMCIN38E

UNABLE TO OBTAIN STORAGE FOR SMF BUFFER

Cause

The SMFREC initialization parameter was specified; however, SRDF Host Component was unable to obtain enough private area storage.

Action

Increase the region size.

EMCIN40E

INVALID VALUE SPECIFIED ON HCLOG PARAMETER

Cause

The HCLOG initialization parameter was specified; however, an invalid option was selected. Initialization continues using the default value.

Action

Correct the HCLOG initialization parameter, and restart SRDF Host Component.

EMCIN42E

INVALID VALUE SPECIFIED ON MESSAGE_LABELS PARAMETER

Cause

The MESSAGE_LABELS initialization parameter was specified with an invalid value. Initialization continues using the default value.

Action

Correct the MESSAGE_LABELS initialization parameter, and restart SRDF Host Component.

EMCIN43E

INVALID VALUE SPECIFIED ON FBA_ENABLE PARAMETER

Cause

The FBA_ENABLE initialization parameter was specified with an invalid value. SRDF Host Component initialization continues with the default value for this parameter.

Action

Correct the FBA_ENABLE initialization parameter, and restart SRDF Host Component.

EMCIN45E

INVALID VALUE SPECIFIED ON MAX_QUERY PARAMETER

Cause

An invalid value was specified for the MAX_QUERY initialization parameter of SRDF Host Component.

Action

Specify a valid value following the instructions in the *SRDF Host Component for z/OS Product Guide*.

EMCIN46E

INVALID VALUE SPECIFIED ON MAX_ALIAS PARAMETER

Cause

The MAX_ALIAS initialization parameter was specified with an invalid value.

Action

Specify MAX_ALIAS=*nnnn*, where *nnnn* is a decimal integer in the range of from 200 to 4095.

EMCIN47E

MAX_ALIAS MUST PRECEED FIRST ALIAS STATEMENT

Cause

The MAX_ALIAS initialization parameter did not precede the first alias statement.

Action

Move the MAX_ALIAS initialization parameter so that it appears before the first alias statement.

EMCIN48E

NUMBER OF ALIAS STATEMENTS EXCEEDS MAX_ALIAS VALUE

Cause

More alias statements appear in the initialization parameter file than are specified in the MAX_ALIAS parameter, or the MAX_ALIAS parameter is missing and more than 200 alias statements were found.

Action

Increase the value for the MAX_ALIAS parameter, or remove some of the ALIAS statements.

EMCIN49E

```
INVALID VALUE SPECIFIED ON MAX_COMMANDQ PARAMETER
```

Cause

The MAX_COMMANDQ initialization parameter was specified with an invalid value.

Action

Specify a valid value following the instructions in the *SRDF Host Component for z/OS Product Guide*.

EMCIN4AE

```
INVALID VALUE SPECIFIED ON MAX_TRACK_CMDS PARAMETER
```

Cause

The MAX_TRACK_CMDS parameter was specified with an invalid value.

Action

Specify a valid value following the instructions in the *SRDF Host Component for z/OS Product Guide*.

EMCIN4BE

```
INVALID VALUE SPECIFIED ON MESSAGE_EMCC9998W PARAMETER
```

Cause

The MESSAGE_EMCC9998W parameter was specified with an invalid value. SRDF Host Component initialization is terminated.

Action

Specify a valid value following the instructions in the *SRDF Host Component for z/OS Product Guide*, and restart SRDF Host Component.

EMCIN50E

```
INVALID VALUE SPECIFIED ON SHOW_COMMAND_SEQ# PARAMETER
```

Cause

The SHOW_COMMAND_SEQ# initialization parameter was specified with an invalid value.

Action

Specify a valid value following the instructions in the *SRDF Host Component for z/OS Product Guide*.

EMCIN51E

```
COMMAND PREFIX REGISTRATION FAILED: text
```

Cause

The *text* shows the corresponding error text string listed below with the causes and

actions for each.

- `ILLEGAL PREFIX` - Command prefix registration was requested and the request failed. The requested command was not legal. Verify that the requested command prefix is valid. Issue an MVS command `D OPDATA` to identify any conflicts. Change the selected prefix as necessary and try again. If a system error is indicated, contact the Dell EMC Customer Support Center for assistance.
- `PREFIX IN USE` - Command prefix registration was requested and the request failed. The requested prefix is already in use by another subsystem. Verify that the requested command prefix is valid. Issue an MVS command `D OPDATA` to identify any conflicts. Change the selected prefix as necessary and try again. If a system error is indicated, contact the Dell EMC Customer Support Center for assistance.
- `CONFLICTING PREFIX` - Command prefix registration was requested and the request failed. The requested prefix is either a subset or a superset of an existing registered prefix. Verify that the requested command prefix is valid. Issue an MVS command `D OPDATA` to identify any conflicts. Change the selected prefix as necessary and try again. If a system error is indicated, contact the Dell EMC Customer Support Center for assistance.
- `SYSTEM ERROR RC=xx, R0=xxxxxxxx` - Command prefix registration was requested and the request failed. The command prefix registration failed due to a system error. Verify that the requested command prefix is valid. Issue an MVS command `D OPDATA` to identify any conflicts. Change the selected prefix as necessary and try again. If a system error is indicated, contact the Dell EMC Customer Support Center for assistance.

Action

See the actions listed above for each cause.

EMCIN52E

```
COMMAND PREFIX DELETE FAILED: text
```

Cause

The *text* shows the corresponding error text string listed below with the causes and actions for each.

- `ILLEGAL PREFIX` - Command prefix deregistration failed. The requested command prefix was not legal.
- Issue an MVS `'D OPDATA'` command and contact the Dell EMC Customer Support Center.
- `PREFIX NOT REGISTERED` - Command prefix deregistration failed. The requested prefix is not registered.
- Issue an MVS `'D OPDATA'` command and contact the Dell EMC Customer Support Center.
- `SYSTEM ERROR RC=xx, R0=xxxxxxxx` - Command prefix deregistration failed. The command prefix deregistration failed due to a system error. Issue an MVS `'D OPDATA'` command and contact the Dell EMC Customer Support Center.

Action

See the actions listed above for each error string.

EMCIN53E

INVALID COMMAND_PREFIX INITIALIZATION PARAMETER

Cause

During SRDF Host Component initialization, a COMMAND_PREFIX parameter statement contained an error.

Action

Review the COMMAND_PREFIX parameter in the initialization parameters. Consult the *SRDF Host Component for z/OS Product Guide* for the correct syntax. Correct the error, and submit the command again.

EMCIN54E

INVALID PARM for REGISTER_COMMAND_PREFIX

Cause

The REGISTER_COMMAND_PREFIX=initialization parameter was specified, but the value specified was not YES or NO.

Action

Specify a valid value following the instructions in the *SRDF Host Component for z/OS Product Guide*.

EMCIN55I

stmt# initialization-parameter

Cause

During SRDF Host Component startup, initialization parameters are displayed in the HCLLOG file. In the message, *stmt#* identifies the line number in the initialization parameter file. This message is informational and may be used to aid in diagnosing initialization parameter errors.

Action

None.

EMCIN56E

INVALID AUTO_RECOVER PARAMETER

Cause

An invalid automated recovery parameter (SRDFA_AUTO_RECOVER) was detected.

Action

Check the SRDF Host Component log to determine the parameter error. This message will be displayed immediately after the invalid parameter.

EMCIN57E

INVALID AUTO_RECOVER_ITRK VALUE

Cause

An invalid value was found for the SRDFA_AUTO_RECOVER_ITRK parameter (or the ITRK option in MSC_INCLUDE_SESSION).

Action

Correct the SRDFA_AUTO_RECOVER_ITRK value following the instructions in the *SRDF Host Component for z/OS Product Guide*. Then either issue a GLOBAL,PARM_REFRESH

command or restart SRDF Host Component.

EMCIN58E

```
INVALID AUTO_RECOVER_BCV OPTION
```

Cause

An invalid value was specified for the SRDFA_AUTO_RECOVER_BCV parameter (or the BCV option in MSC_INCLUDE_SESSION).

Action

Correct the parameter value following the instructions in the *SRDF Host Component for z/OS Product Guide* and either issue an #SC GLOBAL,PARM_REFRESH command or restart SRDF Host Component.

EMCIN59E

```
INVALID AUTO_RECOVER_MINDIR VALUE
```

Cause

An invalid value was detected for the SRDFA_AUTO_RECOVER_MINDIR parameter (or the MINDIR option in MSC_INCLUDE_SESSION).

Action

Correct the parameter value following the instructions in the *SRDF Host Component for z/OS Product Guide* and either issue an #SC GLOBAL,PARM_REFRESH command or restart SRDF Host Component.

EMCIN5AE

```
INVALID AUTO_RECOVER_PROC PARAMETER
```

Cause

An invalid procedure name was specified for the SRDFA_AUTO_RECOVER_PROC parameter.

Action

Correct the parameter value following the instructions in the *SRDF Host Component for z/OS Product Guide* and either issue an #SC GLOBAL,PARM_REFRESH command or restart Host Component.

EMCIN60E

```
(stmt#) GROUP_NAME= SPECIFIED WITHOUT A VALID NAME SPECIFIED
```

Cause

The GROUP_NAME parameter was specified in the initialization parameters; however, a valid group name was not specified. *stmt#* identifies the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Correct the group name, and restart SRDF Host Component.

EMCIN61E

```
(stmt#) GROUP_NAME= SPECIFIED WITH A NAME LONGER THAN 24  
CHARACTERS
```

Cause

The GROUP_NAME parameter was specified in the initialization parameters; however, the length of the specified group name exceeded 24 characters. *stmt#* identifies the line number in the initialization parameter file of the failing statement. Message EMCIN55I shows the failing statement.

Action

Correct the group name, and restart SRDF Host Component.

EMCIN62E

```
(stmt#1:stmt#2) GROUP_NAME= SPECIFIED WITH A DUPLICATE NAME
```

Cause

More than one GROUP_NAME statement in the initialization parameters appears with the same specified group name. *stmt#1* and *stmt#2* identify the line numbers in the initialization parameter file of the statements that have duplicate group names. Message EMCIN55I shows the failing statements.

Action

Change the GROUP_NAME statements so that your group names are unique.

EMCIN63E

```
(stmt#) GETMAIN FAILURE FOR A GROUP CONTROL BLOCK
```

Cause

During SRDF Host Component initialization processing, an attempt failed to obtain “above the line” private storage for group information. *stmt#* identifies the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Restart SRDF Host Component with a larger region size. If the problem persists, contact the Dell EMC Customer Support Center.

EMCIN64E

```
(stmt#) INCLUDE_CUU SPECIFIED WITHOUT A VALID CUU
```

Cause

A group definition in the initialization parameters specified the INCLUDE_CUU keyword, but a valid MVS device number was not supplied. *stmt#* identifies the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Change the INCLUDE_CUU specification to provide a valid MVS device number, and restart SRDF Host Component.

EMCIN65E

```
(stmt#) INCLUDE_VOL SPECIFIED WITHOUT A VALID VOLSER
```

Cause

A group definition in the initialization parameters specified the INCLUDE_VOL keyword, but a valid volume serial was not supplied. *stmt#* identifies the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Change the INCLUDE_VOL specification to provide a valid volume serial, and restart SRDF

Host Component.

EMCIN66E

```
(stmt#) EXCLUDE_CUU SPECIFIED WITHOUT A VALID CUU
```

Cause

A group definition in the initialization parameters specified the EXCLUDE_CUU keyword, but a valid z/OS device number was not supplied. *stmt#* identifies the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Change the EXCLUDE_CUU specification to provide a valid MVS device number, and restart SRDF Host Component.

EMCIN67E

```
(stmt#) EXCLUDE_VOL SPECIFIED WITHOUT A VALID VOLSER
```

Cause

A group definition in the initialization parameters specified the EXCLUDE_VOL keyword, but a valid volume serial was not supplied. *stmt#* identifies the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Change the EXCLUDE_VOL specification to provide a valid volume serial, and restart SRDF Host Component.

EMCIN68E

```
(stmt#) GROUP_NAME= SPECIFIED WITHOUT A VALID INCLUDE/EXCLUDE  
SPECIFIED OR MISSING GROUP_END
```

Cause

A group definition in the initialization parameters was incomplete. Either no INCLUDE or EXCLUDE statements were provided, or a GROUP_END statement is missing. *stmt#* identifies the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Add the required initialization statements to complete the group definition, and restart SRDF Host Component.

EMCIN69E

```
(stmt#) GROUP_END FOUND WITHOUT A VALID INCLUDE/EXCLUDE
```

Cause

A GROUP_END statement was found in the initialization parameters without a preceding INCLUDE/EXCLUDE statement. *stmt#* identifies the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Add the required initialization statements to complete the group definition, and restart SRDF Host Component.

EMCIN70E

```
(stmt#) INVALID DATA FOUND WHILE PROCESSING INCLUDE_CUU
```

Cause

An INCLUDE_CUU (or EXCLUDE_CUU) statement was specified incorrectly in the initialization parameters. *stmt#* identifies the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Correct the INCLUDE_CUU (or EXCLUDE_CUU) specification, and restart SRDF Host Component.

EMCIN71E

```
(stmt#) INVALID RA NUMBER FOUND WHILE PROCESSING INCLUDE_RAG
```

Cause

An INCLUDE_RAG statement was specified incorrectly in the initialization file. *stmt #* identifies the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Correct the invalid SRDF group number in the INCLUDE_RAG specification, and restart SRDF Host Component.

EMCIN72E

```
(stmt#) INVALID CUU FOUND WHILE PROCESSING INCLUDE_RAG
```

Cause

An INCLUDE_RAG statement was specified with an invalid CUU number in the initialization file. *stmt#* identifies the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Correct the invalid CUU number in the INCLUDE_RAG specification, and restart SRDF Host Component.

EMCIN73E

```
(stmt#) INVALID DATA FOUND WHILE PROCESSING INCLUDE_RAG
```

Cause

An INCLUDE_RAG statement was specified with invalid data in the initialization file. *stmt#* identifies the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Correct the INCLUDE_RAG specification, and restart SRDF Host Component.

EMCIN74E

```
(stmt#) INVALID SYM DEVICE NUMBER FOUND WHILE PROCESSING  
EXCLUDE_SYM
```

Cause

An EXCLUDE_SYM statement was specified with an invalid PowerMax or VMAX device number in the initialization parameters. *stmt#* identifies the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Correct the PowerMax or VMAX device number in the EXCLUDE_SYM specification, and restart SRDF Host Component.

EMCIN75E

```
(stmt#) INVALID CUU FOUND WHILE PROCESSING EXCLUDE_SYM
```

Cause

An EXCLUDE_SYM statement was specified with an invalid CUU number in the initialization parameters. *stmt#* identifies the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Correct the invalid CUU number in the EXCLUDE_SYM specification, and restart SRDF Host Component.

EMCIN76E

```
(stmt#) INVALID DATA FOUND WHILE PROCESSING EXCLUDE_SYM
```

Cause

An EXCLUDE_SYM statement was specified with invalid data in the initialization parameters. *stmt#* identifies the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Correct the EXCLUDE_SYM specification, and restart SRDF Host Component.

EMCIN77E

```
(stmt#) LOW SYM DEVICE NUMBER FOUND HIGH WHILE PROCESSING  
EXCLUDE_SYM OR MISSING ( )
```

Cause

An EXCLUDE_SYM statement was specified with a range of PowerMax or VMAX devices, and the device range is invalid or parenthesis are missing. *stmt#* identifies the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Correct the EXCLUDE_SYM specification, and restart SRDF Host Component.

EMCIN78E

```
(stmt#) FILTER_KNOWN NOT VALID WITH INCLUDE_RAG/EXCLUDE_SYM
```

Cause

A FILTER_KNOWN (MVS_GROUP) statement was specified with an INCLUDE_RAG or EXCLUDE_SYM (SYM_GROUP) statement, which is not valid. *stmt#* identifies the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Correct the group definition, and restart SRDF Host Component.

EMCIN79E

```
(stmt#) FILTER_ONLINE NOT VALID WITH INCLUDE_RAG/EXCLUDE_SYM
```

Cause

A FILTER_KNOWN (MVS_GROUP) statement was specified with an INCLUDE_RAG or EXCLUDE_SYM (SYM_GROUP) statement, which is not valid. *stmt#* identifies the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Correct the group definition, and restart SRDF Host Component.

EMCIN80E

```
(stmt#) INCLUDE_CUU NOT VALID WITH INCLUDE_RAG/EXCLUDE_SYM
```

Cause

An INCLUDE_CUU (MVS_GROUP) statement was specified with an INCLUDE_RAG or EXCLUDE_SYM (SYM_GROUP) statement, which is not valid. *stmt#* identifies the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Correct the group definition, and restart SRDF Host Component.

EMCIN81E

```
(stmt#) EXCLUDE_CUU NOT VALID WITH INCLUDE_RAG/EXCLUDE_SYM
```

Cause

An EXCLUDE_CUU (MVS_GROUP) statement was specified with an INCLUDE_RAG or EXCLUDE_SYM (SYM_GROUP) statement, which is not valid. *stmt#* identifies the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Correct the group definition, and restart SRDF Host Component.

EMCIN82E

```
(stmt#) INCLUDE_VOL NOT VALID WITH INCLUDE_RAG/EXCLUDE_SYM
```

Cause

An INCLUDE_VOL (MVS_GROUP) statement was specified with an INCLUDE_RAG or EXCLUDE_SYM (SYM_GROUP) statement, which is not valid. *stmt#* identifies the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Correct the group definition, and restart SRDF Host Component.

EMCIN83E

```
(stmt#) EXCLUDE_VOL NOT VALID WITH INCLUDE_RAG/EXCLUDE_SYM
```

Cause

An EXCLUDE_VOL (MVS_GROUP) statement was specified with an INCLUDE_RAG or EXCLUDE_SYM (SYM_GROUP) statement, which is not valid. *stmt#* identifies the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Correct the group definition, and restart SRDF Host Component.

EMCIN84E

```
(stmt#) INCLUDE_RAG NOT VALID WITH INCLUDE_CUU/INCLUDE_VOL
```

Cause

An INCLUDE_RAG (SYM_GROUP) statement was specified with an INCLUDE_CUU or INCLUDE_VOL (MVS_GROUP) statement, which is not valid. *stmt#* identifies the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Correct the group definition, and restart SRDF Host Component.

EMCIN85E

```
(stmt#) EXCLUDE_SYM NOT VALID WITH INCLUDE_CUU/INCLUDE_VOL
```

Cause

An EXCLUDE_SYM (SYM_GROUP) statement was specified with an INCLUDE_CUU or INCLUDE_VOL (MVS_GROUP) statement, which is not valid. *stmt#* identifies the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Correct the group definition, and restart SRDF Host Component.

EMCIN86E

```
(stmt#) INVALID DATA FOUND WHILE PROCESSING INCLUDE_RAG
```

Cause

The format of an INCLUDE_RAG statement is invalid. *stmt#* identifies the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Correct the failing INCLUDE_RAG statement.

EMCIN87E

```
(stmt#) INVALID DATA FOUND WHILE PROCESSING EXCLUDE_SYM
```

Cause

The format of an EXCLUDE_SYM statement is invalid. *stmt#* identifies the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Correct the failing EXCLUDE_SYM statement.

EMCIN88E

```
INVALID VALUE SPECIFIED ON DISCOVER_CAS_QRY PARAMETER
```

Cause

The DISCOVER_CAS_QRY initialization parameter of SRDF Host Component was specified incorrectly.

Action

Specify a valid value and retry.

EMCIN92E

`SORT_BY_VOLSER, SORT_BY_MVSCUU, AND, SORT_BY_COMMAND` ARE MUTUALLY EXCLUSIVE

Cause

More than one of the `SORT_BY_VOLSER`, `SORT_BY_MVSCUU`, and `SORT_BY_COMMAND` initialization parameters were specified. Only one of these initialization parameters can be specified.

Action

Select one of these initialization parameters, and restart SRDF Host Component.

EMCIN93E

INVALID VALUE SPECIFIED FOR `USER_VERIFICATION_TIMEOUT`

Cause

The value specified for the `USER_VERIFICATION_TIMEOUT` initialization parameter was invalid or missing. `USER_VERIFICATION_TIMEOUT` is left at the default and initialization continues.

Action

Correct the parameter for the next SRDF Host Component startup.

EMCIN94E

INVALID VALUE SPECIFIED FOR `ALLOW_CRPAIR_NOCOPY`

Cause

The `ALLOW_CRPAIR_NOCOPY` parameter was specified with an invalid value.

Action

Specify a valid value following the instructions in the *SRDF Host Component for z/OS Product Guide*.

EMCIN96E

(*stmt#*) INVALID DATA FOUND WHILE PROCESSING `VONOFF` PARAMETER

Cause

The data specified for the parameter is invalid. *stmt#* identifies the line number of the failing statement in the initialization parameter file.

Action

Correct the value.

EMCIN97E

(*stmt#*) INVALID VALUE FOUND WHILE PROCESSING `VONOFF_STATUS_WAIT=XXX`

Cause

The indicated value is not within the valid range. *stmt#* identifies the line number of the failing statement in the initialization parameter file.

Action

Correct the value.

EMCIN98E

(*stmt#*) INVALID COMBINATION OF `VONOFF` PARAMETERS

Cause

The specified VONOFF parameter combination is invalid. *stmt#* identifies the line number of the failing statement in the initialization parameter file.

Action

Check how your VONOFF parameters are set and correct the conflicts.

EMCIN99W

```
MSC_GROUP = mscgrp FOUND BUT THE MSC ENVIRONMENT IS NOT ACTIVE
```

Cause

The SRDF Host Component initialization parameters are being read either at startup or via the #SC GLOBAL,PARM_REFRESH command. The MSC_GROUP statements were found, but cannot be run since the MSC environment is not active.

Action

If you intend to start the MSC group, make sure the MSC environment is enabled and try again. Otherwise, you can ignore this message.

EMCIN9BI

```
stmt# <duplicate parameter name>=!ILLEGAL DUPE INIT PARM @HCLOG  
stmt#
```

Cause

An initialization parameter which cannot be specified more than once, has been. *stmt#* is the HCLOG statement number of exact duplicate specification.

Action

Check the initialization parameter file for the duplicate parameter specification pointed to by this message.

EMCIN9CE

```
INVALID VALUE SPECIFIED ON AUTOSWAP_HCLOG PARAMETER
```

Cause

An invalid value was specified for the AUTOSWAP_HCLOG initialization parameter of SRDF Host Component.

Action

Specify a valid value following the instructions in the *SRDF Host Component for z/OS Product Guide*.

EMCIN9DE

```
SUBSYSTEM SHUTDOWN FAILED. ACTION: rc  
text
```

Cause

The shutdown process failed.

Where:

- *rc* is the return code from the failed z/OS API call.
- *text* is a description for the combination of the return code and reason code returned by z/OS.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Ensure

that you have the SYSLOG, the job log, and all relevant job documentation.

EMCIN9EE

```
SUBSYSTEM QUERY FAILED.  
text
```

Cause

The subsystem query failed.

Where *text* is a description for the combination of the return code and reason code returned by z/OS.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for technical assistance. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

EMCLM00I

```
SRDF-HC DISPLAY FOR #SQ GLOBAL,MODLVL
```

Cause

An #SQ GLOBAL,MODLVL command was requested.

Action

None.

EMCMB00E

```
(stmt#) MSC_GROUP_NAME= SPECIFIED WITHOUT A VALID NAME SPECIFIED
```

Cause

The name specified on the MSC_GROUP_NAME statement is not a valid name. The name must be alphanumeric with a maximum of 24 characters. *stmt#* identifies the line number of the failing statement in the initialization parameter file.

Action

Correct the name.

EMCMB01E

```
(stmt#) MSC_GROUP_NAME= SPECIFIED WITH A NAME LONGER THAN 24  
CHARACTERS
```

Cause

The name specified on the MSC_GROUP_NAME statement is not a valid name. The name must be alphanumeric with a maximum of 24 characters. *stmt#* identifies the line number of the failing statement in the initialization parameter file.

Action

Correct the name.

EMCMB02E

```
(stmt#) MSC MSC_GROUP_NAME ERROR IN GETTING ECSA CONTROL B LOCK
```

Cause

The name specified on the MSC_GROUP_NAME statement is not a valid name. *stmt#* identifies the line number of the failing statement in the initialization parameter file.

Message EMCIN55I shows the failing statement.

Action

Ensure that the MSC_GROUP_NAME value meets the requirements listed in the *SRDF Host Component for z/OS Product Guide*.

EMCMB03E

```
(stmt#) MSC_GROUP_NAME MISSING INCLUDE_SESSION STATEMENT OR  
MISSING GROUP_END
```

Cause

The MSC_GROUP_NAME statement starts a series of statements that are needed. The MSC_INCLUDE_SESSION statement is required, one for each SRDF/A session that is required in the MSC group. In the message, *stmt#* identifies the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Add a valid MSC_INCLUDE_SESSION statement.

EMCMB04E

```
(stmt#) MSC_INCLUDE_SESSION STATEMENT MISSING OR INVALID
```

Cause

The MSC_GROUP_NAME statement starts a series of statements that are needed. The MSC_INCLUDE_SESSION statement is required, one for each SRDF/A session that is required in the MSC group. In the message, *stmt#* identifies the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Add a valid MSC_INCLUDE_SESSION statement.

EMCMB05E

```
(stmt#) MSC_INCLUDE_SESSION MAXIMUM NUMBER OF SESSIONS EXCEEDED
```

Cause

More than the maximum allowed SRDF/A sessions have been defined to the MSC group. In the message, identifies the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Remove sessions until the number is below the limit.

EMCMB06E

```
(stmt#) MSC_INCLUDE_SESSION CACHE PERCENTAGE OUT OF RANGE OF 50% -  
100%
```

Cause

The MSC_INCLUDE_SESSION cache percentage is out of the indicated range. *stmt#* identifies the line number of the failing statement in the initialization parameter file.

Action

None.

EMCMB07E

```
(stmt#) MSC_INCLUDE_SESSION SESSION NUMBER SPECIFIED IS INVALID
```

Cause

The MSC_INCLUDE_SESSION included a SN(x) statement and the x was not 0. The only valid session is 0. In the message, *stmt#* identifies the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Remove the SN(x) statement or set x =0.

EMCMB08E

```
POST FAILED, SRDFA/MULTIBOX
```

Cause

Internal logic error.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCMB09E

```
EXCLUDED CUU ccuu FOUND IN MSC_GROUP mscgrp
```

Cause

The indicated CCUU has been used by the MSC_INCLUDE_SESSION statement that has been excluded by the EXCLUDE_DEVICE_RANGE initialization parameters.

Action

Use a different CCUU that is not excluded or change your EXCLUDE_DEVICE_RANGE initialization parameters.

EMCMB0AE

```
INVALID CUU ccuu FOUND IN MSC_GROUP mscgrp
```

Cause

The indicated CCUU has been used in the MSC_INCLUDE_SESSION statement that is not valid.

Action

Use a different CCUU that is valid.

EMCMB0BE

```
PROCCNTL FAILED FOR CUU ccuu FOUND IN MSC_GROUP mscgrp
```

Cause

Internal logic error.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCMB0CE

```
MCLVL LOW FOR CUU ccuu FOUND IN MSC_GROUP mscgrp
```

Cause

The indicated CCUU is in a DASD subsystem that does not support SRDF/A because the operating environment level is too low.

Action

Correct the MSC_INCLUDE_SESSION statements to only include sessions on storage systems with operating environment levels that support SRDF/A. The *SRDF Host Component for z/OS Product Guide* lists minimum operating environment requirements.

EMCMB0DE

```
SRDF/A IS NOT FOUND FOR CUU ccuu FOUND IN MSC_GROUP mscgrp
```

Cause

The indicated CCUU is in a DASD subsystem that does not support SRDF/A (Enginuity 5x70), or the SRDF group does not have SRDF/A active.

Action

Correct the MSC_INCLUDE_SESSION to only include devices from DASD subsystems that support SRDF/A (for Enginuity 5x70), or to activate SRDF/A for the session supplied.

EMCMB0EI

```
MSC_GROUP_NAME= mscgrp HAS PASSED VALIDATION
```

Cause

The MSC group statements have been processed and all parsing has been done.

Action

None.

EMCMB0FI

```
MSC HAS POSTED SCF WITH NEW DEFINITION(S)
```

Cause

When running MSC or SRDF/Star, the definition created in the SRDF Host Component initialization parameters has been sent to the SCF address space.

Action

None.

EMCMB10E

```
(stmt#) MSC_CYCLE_TARGET STATEMENT INVALID
```

Cause

The MSC_CYCLE_TARGET statement was specified without a valid value. *stmt#* identifies the line number of the failing statement in the initialization parameter file. Message EMCIN55I shows the failing statement.

Action

Correct the value specified on the statement.

EMCMB11W

```
Invalid MSC_CYCLE_TARGET specified, reset to {3 seconds|30 minutes}
```

Cause

The MSC_CYCLE_TARGET statement was specified with a value out of the valid range. If the value was less than the minimum allowable value, it is reset to 3 seconds. If the value was greater than the maximum allowable value, it is reset to 30 minutes.

Action

None.

EMCMB12E

```
PROCDEVT FAILED FOR CUU ccuu FOUND IN MSC_GROUP mscgrp
```

Cause

Internal logic error.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCMB13E

```
PROCUCB FAILED FOR CUU ccuu FOUND IN MSC_GROUP mscgrp
```

Cause

Internal logic error.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCMB14E

```
CUU ccuu CANNOT BE A GATEKEEPER FOR MSC_GROUP mscgrp
```

Cause

The MSC_INCLUDE_SESSION statement used the indicated device. This device is not valid for use as a gatekeeper device for MSC.

Action

Choose an appropriate device for the gatekeeper. Follow the instructions in the *SRDF Host Component for z/OS Product Guide*.

EMCMB15E

```
SRDF/A MSC REQUESTED BUT NOT AVAILABLE -  
- MSC GROUP STATEMENTS ARE IGNORED -  
- TO FIND OUT MORE OR OBTAIN THE NECESSARY LFC -  
- CONTACT YOUR LOCAL EMC SALES REPRESENTATIVE
```

Cause

The License Feature Code (LFC) for MSC was not found.

Action

Add the MSC LFC code to SCF. Contact Dell EMC Customer Support for assistance.

EMCMB16E

```
(stmt#) MSC_ACTIVATE SPECIFIED BUT PARAMETER IS NO LONGER SUPPORTED
```

Cause

The MSC_ACTIVATE statement is found in the MSC_GROUP definition. The MSC_ACTIVATE statement is no longer supported.

Action

Remove the MSC_ACTIVATE statement from your MSC_GROUP definition and refresh SRDF Host Component parameters or restart SRDF Host Component.

EMCMB17E

```
(stmt#) MSC_DROP_POLICY SPECIFIED BUT PARAMETER IS NO LONGER SUPPORTED
```

Cause

The MSC_DROP_POLICY statement is found in the MSC_GROUP definition. The MSC_DROP_POLICY statement is no longer supported.

Action

Remove the MSC_DROP_POLICY statement from the MSC_GROUP definition and refresh SRDF Host Component parameters or restart SRDF Host Component.

EMCMB18E

```
(stmt#) MSC_WEIGHT_FACTOR=X, WHERE X IS NOT 0, 1, 2, OR, 3
```

Cause

The MSC_WEIGHT_FACTOR statement in the MSC_GROUP definition specifies an incorrect weight factor.

Action

Change the value in the MSC_WEIGHT_FACTOR statement in the MSC_GROUP definition and refresh or restart SRDF Host Component.

EMCMB19E

```
SRDF/A MSC (STAR) REQUESTED BUT NOT AVAILABLE -  
- MSC GROUP STATEMENTS ARE IGNORED -  
- TO FIND OUT MORE OR OBTAIN THE NECESSARY LFC -  
- CONTACT YOUR LOCAL EMC SALES REPRESENTATIVE
```

Cause

The License Feature Code (LFC) for MSC (Star) was not found.

Action

Add the MSC LFC code to SCF. Contact Dell EMC Customer Support for assistance.

EMCMB1FI

```
- for MSC Group mscgrp
```

Cause

This message is issued in conjunction with EMCMB0FI.

Action

None.

EMCMB20E

```
(stmt#) MSC_STAR= SPECIFIED WITHOUT A VALID CONGROUP NAME  
SPECIFIED
```

Cause

The MSC_STAR= statement was found in the MSC_GROUP definition; however, the consistency group name is missing from the definition.

Action

Add the name of the consistency group that is protecting the non-SRDF/A mirror in your SRDF/Star configuration and refresh or restart SRDF Host Component.

EMCMB21E

```
(stmt#) MSC_STAR= SPECIFIED WITH A CONGROUP NAME LONGER THAN 8  
CHARACTERS
```

Cause

An MSC_STAR statement was found, but the specified consistency group name is longer than eight characters.

Action

Specify a valid consistency group name and refresh or restart SRDF Host Component.

EMCMB22W

```
The MSC environment is not active
```

Cause

During SRDF Host Component initialization, the MSC environment was found to be disabled.

Action

Enable the SCF MSC environment using an MSC,ENABLE command of SCF, followed by #SC GLOBAL,PARAM_REFRESH.

EMCMB23E

```
MSC Post rejected, msc_group is active
```

Cause

An #SC GLOBAL PARAM_REFRESH command was issued to start a specific MSC group, but the group is already active.

Action

None.

EMCMB24E

```
Invalid {SQAR|STAR-A} configuration groupname
```

Cause

The SQAR or Star-A configuration contains conflicting device types: R11 and R21 devices were found in the same SQAR or Star-A group. The SQAR devices in the DC1 storage systems must be R11. For SQAR, the devices in the DC2 storage systems must be R21.

Action

Correct the specification.

EMCMB25E

```
Definition for {SQAR|STAR-A} group groupname rejected, only one
```

SQAR/STAR/STAR-A configuration is allowed

Cause

The MSC environment is restricted to one SQAR configuration (two MSC SQAR groups) or one SRDF/Star or Star-A group.

Action

Remove the excess group definitions.

EMCMB26E

Unsupported MCL *nnnn*, Ser *symmserial*, {SQAR|STAR-A}
group *groupname*

Cause

SRDF/SQAR and Star-A requires a minimum operating environment level of 5876 on all storage systems in the SQAR/Star-A configuration.

Action

Redefine the configuration with PowerMaxOS 5978, HYPERMAX OS 5977, or Enginuity 5876.

EMCMB27W

Invalid MSC_MAX_SESSIONS

Cause

The MSC_MAX_SESSIONS parameter has an invalid value.

Action

Set a valid value for the parameter (listed in the *SRDF Host Component for z/OS Product Guide*) and restart SRDF Host Component. Alternatively, to use the parameter default value, remove it from the parameter file.

EMCMB28W

Invalid MSC_SESSION_LIMIT, MSC Group *mscgrp*

Cause

The definition of the indicated MSC group has an invalid value for the MSC_SESSION_LIMIT parameter.

Action

Specify a valid value following the instructions in the *SRDF Host Component for z/OS Product Guide*. Alternatively, to use the default value of the parameter, remove it from the MSC group definition in the parameter file.

EMCMB30E

MSC_STAR (*ccuu,srdfgrp*) BUT SRDF/A DEVICE *symdv#* FOUND THAT IS NOT CONCURRENT RDF

Cause

The indicated PowerMax or VMAX device in the indicated SRDF group is not a concurrent SRDF device.

Action

Ensure that the definition includes the correct SRDF groups and that all devices being included into the STAR MSC_GROUP definition are concurrent R1 devices.

EMCMB31E

MSC_STAR= SPECIFIED BUT ILLEGAL CONFIGURATION HAS BEEN DETECTED

Cause

In a Star MSC_GROUP definition, devices have been found that are concurrent R1 devices; however, the non-SRDF/A mirror is not the same for all devices.

Action

Ensure that the devices being included by the Star MSC_GROUP definition all have the same two SRDF groups.

EMCMB32E

MSC_STAR= SPECIFIED BUT NO OTHER RDFGRP FOUND

Cause

In a Star MSC_GROUP, definition devices have been found that are concurrent R1 devices; however, the other SRDF group cannot be determined. This message would only be issued if an internal logic error exists.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCMB33E

(*stmt#*) MSC_INCLUDE_SESSION REQUIRES NEW RDFGRP FOR A STAR CONFIGURATION

Cause

An MSC_STAR=*cgrp* statement was found in the MSC_GROUP definition but the recovery SRDF group (between the SRDF/A secondary storage system to the non-SRDF/A storage system) was not specified.

Action

Add the recovery SRDF group to the MSC_INCLUDE_SESSION=*ccuu*,(*nn*),(*mm*) statement where the recovery SRDF group is *mm*.

EMCMB34E

(*stmt#*) MSC_INCLUDE_SESSION=SCFG(FOUND BUT NO ENDING) WAS FOUND

Cause

An MSC_INCLUDE_SESSION=SCFG(*gnsgrp* statement has been found that should be in the format MSC_INCLUDE_SESSION=SCFG(*gnsgrp*).

Action

Add the trailing parenthesis ')' to the MSC_INCLUDE_SESSION statement.

EMCMB35E

(*stmt#*) MSC_INCLUDE_SESSION=SCFG(FOUND BUT NO ENDING ",'" WAS FOUND

Cause

An MSC_INCLUDE_SESSION=SCFG(*scf_gatekeeper_group*,*gnsgrp*) statement has been found and a character has been found that is not alphanumeric or a ", ". The statement requires a SCF gatekeeper GNS group and an SRDF/Star GNS group.

Action

See the *SRDF Host Component for z/OS Product Guide* for guidance on specifying the `MSC_INCLUDE_SESSION` parameter, including the required format of the GNS group definition used with the SCFG keyword.

EMCMB36W

```
Maximum MSC Groups exceeded, mscgrp ignored
```

Cause

The limit of eight MSC groups has been reached.

Action

To run more than eight MSC groups, another SCF task must be started.

EMCMB37W

```
Multiple MSC definitions found, specific activation required
```

Cause

The SRDF Host Component initialization file contains multiple MSC definitions.

Action

Issue the `#SC GLOBAL PARM_REFRESH` command with the `MSCGroup` parameter to activate MSC.

EMCMB38E

```
Diskless and non-diskless devices detected for MSC_GROUP mscgrp
```

Cause

An attempt to activate MSC or SRDF/Star for multiple groups failed because of an inconsistency among the diskless characteristics of the devices in the SRDF groups. In order for SRDF/A to be activated on a group, the devices in that group must be either all diskless or all non-diskless. In an MSC configuration, this requirement extends to all participating SRDF groups. However, a mixture of diskless and non-diskless devices in the SRDF groups participating in MSC was detected.

Action

Remove the incompatible group from the SRDF Host Component definition and restart MSC.

EMCMB39E

```
SRDF/A Group srdfgrp is Diskless, Group srdfgrp is Diskfull
```

Cause

This message is issued in conjunction with message EMCMB38E to indicate the type of SRDF group.

Action

Remove the unlike group from the SRDF Host Component definition and restart MSC.

EMCMB3AW

```
Invalid MSC_TAKEOVER_THRESHOLD, default used
```

Cause

An invalid value for `MSC_TAKEOVER_THRESHOLD` was specified. The value is ignored, and the default is used.

Action

If the default is not desirable, correct the value and issue an #SC GLOBAL PARM_REFRESH command.

EMCMB3BE

Definition for MSC Group *mscgrp* not found

Cause

The MSC group definition was not found for a specific MSC group activation.

Action

Re-issue the #SC GLOBAL PARM_REFRESH command, specifying a valid MSC group.

EMCMB3CW

MSC Group *mscgrp* {MSC|Auto Recovery} is active, definition ignored

Cause

During SRDF Host Component startup or an #SC GLOBAL PARM_REFRESH operation, an MSC group definition in the SRDF Host Component initialization file is currently active, either as an active MSC group or Auto Recovery is running for the MSC group.

Action

The control blocks for the MSC group will not be updated. If you wish to change the MSC group definition, MSC must be disabled before issuing an #SC GLOBAL PARM_REFRESH or starting SRDF Host Component.

EMCMB3DE

Definition for STAR Group *groupname* rejected, only one STAR/SQAR/STAR-A configuration is allowed

Cause

The MSC environment is restricted to one SRDF/Star or Star-A group or one SQAR configuration (two MSC SQAR groups).

Action

Remove the excess group definitions.

EMCMB3EE

Validation error detected for MSC Group *mscgrp*

Cause

Before an MSC group can be activated it must be validated. During this validation, an option or condition exists that is preventing this group from being activated. Additional messages will describe the type of error.

Action

Check for additional validation error messages. Ensure that the MSC group does not have an invalid group name, or include an invalid SRDF device.

EMCMB3FE

No MSC groups are defined

Cause

There are no MSC groups defined.

Action

None.

EMCMB40E | EMCMB40W

```
RDFGRP srdfgrp CANNOT BE A RECOVERY RDFGRP FOR  
CUU ccuu MSC_GROUP mscgrp
```

Cause

The indicated SRDF group was attempted to be used in an SRDF/Star configuration as the recovery SRDF group between Site B and Site C. It may not be used as a recovery SRDF group because it violates the rules for a recovery SRDF group.

This message is issued as a warning and not an error when MSC_VALIDATION=WARN is set.

Action

The recovery SRDF group in an SRDF/Star configuration must not have any devices in the SRDF group at the time SRDF/Star starts. Ensure all devices in the SRDF group are removed from the SRDF group or use a different SRDF group.

An R22 device is allowed in for SRDF/Star recovery groups if the device is related to the configuration as follows:

a) The R22 must be configured as an asynchronous target device for the SRDF/Star configuration.

b) For cascaded configurations, the other R2 mirror must be paired with a synchronous R11 device on the Site A storage system to form a complete triplet (the Site A and Site C devices must be paired with the same R21 device at Site B).

EMCMB41E | EMCMB41W

```
R1 RDFGRP srdfgrp HAS DEVICES WITHOUT PROTECTION FOR MSC_GROUP =  
mscgrp
```

Cause

The R1 devices in the indicated SRDF group do not have multiple mirrors or RAID protecting them.

This message is issued as a warning and not an error when MSC_VALIDATION=WARN is set.

Action

For SRDF/Star, the devices need to have either two local mirrors or RAID protection. Running without multiple mirrors or RAID protection may have a significant impact if a drive failure occurs.

EMCMB42E | EMCMB42W

```
R2 RDFGRP srdfgrp HAS DEVICES WITHOUT PROTECTION FOR MSC_GROUP =  
mscgrp
```

Cause

The R2 devices in the indicated SRDF group for the synchronous link do not have multiple mirrors or RAID protecting them. This message is issued as a warning and not an error when MSC_VALIDATION=WARN is set.

Action

For SRDF/Star, the devices need to have either two local mirrors or RAID protection. Running without multiple mirrors or RAID protection may have a significant impact if a drive failure occurs.

EMCMB43E | EMCMB43W

```
R2 RDFGRP srdfgrp HAS DEVICES WITHOUT PROTECTION FOR MSC_GROUP =  
mscgrp
```

Cause

The R2 devices in the indicated SRDF group for the asynchronous link do not have multiple mirrors or RAID protecting them.

This message is issued as a warning and not an error when MSC_VALIDATION=WARN is set.

Action

For SRDF/Star, the devices need to have either two local mirrors or RAID protection. Running without multiple mirrors or RAID protection may have a significant impact if a drive failure occurs.

EMCMB44E

```
MSC_INCLUDE_SESSION=SCFG(gnsgrp) IS NOT ACTIVE AND COMPLETE
```

Cause

The indicated GNS group cannot be resolved at this time since GNS is currently not active or has not fully initialized.

Action

Check the status of GNS in ResourcePak Base and determine the reason GNS is not ready. After correcting the problem, reissue the previous command.

EMCMB45E

```
MSC_INCLUDE_SESSION=SCFG(gnsgrp) DOES NOT HAVE RECOVERY RDFGRP
```

Cause

The MSC_INCLUDE_SESSION=SCFG(*gnsgrp1*, *gnsgrp2*) statement has resolved the GNS group and determined that the *gnsgrp2* is not defined in the correct format.

Action

Correct the GNS group definition. See the description of the MSC_INCLUDE_SESSION parameter in the *SRDF Host Component for z/OS Product Guide* for information on the required GNS group definition format.

EMCMB46E

```
MSC_INCLUDE_SESSION=SCFG(msc_gk_gnsgrp,msc_srdfa_gnsgrp) DOES NOT HAVE VALID GATEKEEPER
```

Cause

The indicated gatekeeper GNS group does not contain a device that can be used as a gatekeeper for the MSC group.

Action

Add the correct device type to your GNS group. See the *SRDF Host Component for z/OS Product Guide* for information about device types that can be used as gatekeepers for SRDF/Star.

EMCMB47E

```
MSC_INCLUDE_SESSION=SCFG(msc_gk_gnsgrp,msc_srdfa_gnsgrp) PROCNTL FAILED FOR CUU ccuu
```

Cause

An internal error occurred while trying to resolve the GNS groups for the MSC group.

Action

Examine the SRDF Host Component log and GNS group name definition statements to determine and correct the error.

EMCMB48E

```
MSC_INCLUDE_SESSION=SCFG(msc_gk_gnsgrp,msc_srdfa_gnsgrp) MCLVL LOW  
FOR CUU ccuu
```

Cause

The operating environment level for a storage system in the GNS group is below the minimum for running MSC or SRDF/Star. MSC requires level 5x70 or later and SRDF/Star requires 5x71 or later.

Action

Correct the GNS group to include the correct storage systems.

EMCMB49E

```
MSC_INCLUDE_SESSION=SCFG(msc_gk_gnsgrp,msc_srdfa_gnsgrp) PROCDEVT  
FAILED FOR CUU ccuu
```

Cause

An internal error occurred while trying to resolve the GNS groups for the MSC group.

Action

Examine the SRDF Host Component log and GNS group name definition statements to determine and correct the error.

EMCMB50E

```
MSC_INCLUDE_SESSION=SCFG(msc_gk_gnsgrp,msc_srdfa_gnsgrp) PROCUCB  
FAILED FOR CUU ccuu
```

Cause

An internal error occurred while trying to resolve the GNS groups for the MSC group.

Action

Examine the SRDF Host Component log and GNS group name definition statements to determine and correct the error.

EMCMB51E

```
MSC_INCLUDE_SESSION=SCFG(msc_gk_gnsgrp,msc_srdfa_gnsgrp) FAILED TO  
FIND GATEKEEPER
```

Cause

The GNS group resolution for the MSC_INCLUDE_SESSION statement has determined that the gatekeeper GNS group does not contain a gatekeeper device that can be used for the SRDF/A SRDF groups included in the SRDF/A GNS group.

Action

Check the indicated GNS groups to make sure that they have gatekeepers that can run the MSC group that is running MSC or SRDF/Star.

EMCMB52E

```
MSC_INCLUDE_SESSION=SCFG(msc_gk_gnsgrp,msc_srdfa_gnsgrp) INCORRECT  
TYPE OF GNS GROUP
```

Cause

While trying to resolve the indicated SRDF/A GNS group, it has been determined that the GNS group is not defined with the correct parameters.

Action

Correct the definition of the GNS group following the instructions provided in the *SRDF Host Component for z/OS Product Guide* for the MSC_INCLUDE_SESSION parameter SCFG keyword.

EMCMB53W

```
MSC_INCLUDE_SESSION=SCFG(msc_gk_gnsgrp,msc_srdfa_gnsgrp)
DEVICEKEEPER ccuu DUPLICATE
```

Cause

The resolution of the gatekeeper GNS group for the gatekeeper device had to use the same gatekeeper device for more than one SRDF group in the storage system. This may result in a performance issue that can cause SRDF/A to drop.

Action

Redefine the gatekeeper GNS group to include a unique gatekeeper for each SRDF group in the MSC group.

EMCMB54I

```
MSC_GROUP_NAME=mscgrp
```

Cause

The indicated MSC group was defined via the MSC_INCLUDE_SESSION(*msc_gk_gnsgrp,msc_srdfa_gnsgrp*) statement. This message shows the resolution of the GNS groups in the MSC_INCLUDE_SESSION statement.

Action

None.

EMCMB55I

```
MSC_INCLUDE_SESSION=ccuu, (srdfgrp), (rcvr-srdfgrp)
```

Cause

The MSC group was defined using the MSC_INCLUDE_SESSION=SCFG(*msc_gk_gnsgrp,msc_srdfa_gnsgrp*) statement. This message shows the resolution of the GNS groups included in the MSC_INCLUDE_SESSION statement.

Action

None.

EMCMB56I

```
MSC_GROUP_END
```

Cause

The MSC group was defined using the MSC_INCLUDE_SESSION=SCFG(*msc_gk_gnsgrp,msc_srdfa_gnsgrp*) statement. This message shows the resolution of the GNS groups included in the MSC_INCLUDE_SESSION statement.

Action

None.

EMCMB57I

```
MSC_GROUP_NAME=mscgrp NOW RUNNING mode
```

Cause

The MSC group is running in the indicated mode (such as SRDF/Star, Star-A, or SGAR).

Action

None.

EMCMB58E

```
MSC_GROUP_NAME=mscgrp CANNOT LOAD CGRPQDEV
```

Cause

SRDF Host Component is attempting to run SRDF/Star and the interface to the ConGroup API cannot be located.

Action

Ensure the ConGroup API is available to SRDF Host Component.

EMCMB59W

```
MSC_GROUP_NAME=mscgrp CONGROUP cgrp [text] NOT FOUND
```

Cause

While trying to determine if ConGroup is using CAX because you are running SRDF/Star or SGAR, the logic failed. This message is issued for the primary (DC1) site if ConGroup is not active.

Action

Verify that ConGroup is running and the maintenance is up to date.

EMCMB5AE

```
LOCAL AND REMOTE CYCLE SWITCHING IS NOT ALLOWED IN THE SAME MSC GROUP, mscgrp
```

Cause

MSC does not support local and remote cycle switching in the same MSC group.

Action

Update the MSC initialization parameters (MSC_INCLUDE_SESSION) to be of the same type and refresh the MSC environment.

EMCMB5CW

```
MSC_VALIDATION parameter is invalid, defaulting to WARN
```

Cause

The MSC_VALIDATION statement was found with a value that was invalid. The default setting of WARN will be applied.

Action

Correct the value if WARN is not the intended validation value.

EMCMB5DE

```
Definition for group mscgrp rejected, a duplicate definition exists
```

Cause

This message is issued when a duplicate MSC group is defined.

Action

Remove the duplicate MSC group definition.

EMCMB5EI

No groups to Add/Delete were found for *mscgrp*

Cause

The add or delete request was issued but no sessions were found to add or delete.

Action

None.

EMCMB5FE

The group *mscgrp* is not active

Cause

This message is issued for a dynamic session add or delete when the MSC group is not active. add or delete can only be issued against an active MSC group.

Action

Restart the group and reissue the command or refresh the group and issue the #SC GLOBAL,PARM_REFRESH command.

EMCMB60E

Add/Delete can only be issued for a specific group

Cause

This message is issued for a dynamic session add or delete when MSCG(*) is used.

Action

Specify an MSC group name and not a wildcard character.

EMCMB61E

Add/Delete can not be issued for the {STAR|SQAR|STAR-A} group *mscgrp*

Cause

This message is issued for a dynamic session add or delete when an add or delete request is issued for a Star, Star-A, or SQAR group.

Action

Do not issue add or delete for a Star, Star-A, or SQAR group.

EMCMB62E

Dynamic Add/Delete is already active for *mscgrp*

Cause

This message is issued for a dynamic session add or delete when an add or delete request is already active.

Action

Wait for the add or delete request to complete before issuing another.

EMCMB63E

Error getting device entries for CCUU *ccuu* RC: *rc* RS: *rs*

Cause

A problem occurred trying to obtain the device information.

Action

See message EMCMB64E for additional details.

EMCMB64E

```
message-text
```

Cause

A problem occurred trying to obtain the device information.

If this message is issued with EMCMB63E, the *message-text* returned by this message at the time of the error will indicate the error and action. This could be an internal error.

Action

Examine the SRDF Host Component log to determine and correct the error.

EMCMB65I

```
Validating MSC_GROUP_NAME=msscgrp
```

Cause

The specified MSC group is being validated.

Action

None.

EMCMB66E

```
Validate Error: {Concurrent Device|Site A Recovery} MSC  
Group msscgrp CCUU ccuu RDFGRP srdfgrp
```

Cause

This message may be issued prior to message EMCMB40E or EMCMB40W to clarify the validation type being performed as the time of the error.

Action

See EMCMB40E | EMCMB40W for problem resolution.

EMCMB67E

```
GET_CONFIG FAILED FOR CUU ccuu FOUND IN MSC_GROUP % msscgrp
```

Cause

Internal logic error.

Action

The configuration could not be determined. Verify that both the CCUU and SRDF group supplied are valid.

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCMB68E

```
Dynamic ADD for Session (ccuu,srdfgrp) not allowed, MSC  
Group msscgrp is MCM
```

Cause

The dynamic addition to the MSC session failed because the group being added is running

in Legacy mode while the MSC session is in Multi-Cycle Mode (MCM).

Action

The MSC session (in which the new group will be added) must be transitioned to Legacy mode before issuing the dynamic add.

EMCMB69E

```
(stmt#) High Availability mode is not supported for STAR-A
```

Cause

You tried to start SRDF/Star-A in High Availability mode. This mode is not available for Star-A.

Action

Start Star-A without High Availability set.

EMCMB99R

```
This program is about to issue a drop to all RDFGRPS in MSC_GROUP  
= mscgrp
```

Cause

The utility you are running will drop all SRDF groups in the MSC group. If you proceed, you will no longer be able to perform SRDF/Star operations with your devices.

Action

Respond to the corresponding EMCMBA9R message. (Reply **D** to drop all SRDF groups or **C** to cancel.)

EMCMB9AR

```
This utility will remove the Star/SQAR environment for MSC_GROUP  
= mscgrp
```

Cause

An SRDF/Star or SRDF/SQAR environment was found. This utility will erase the MSC boxlist, MSC scratch area, and the Star or SQAR indicators. If you proceed you will no longer be able to perform Star or SQAR operations. Ensure you are ready to erase this data before you proceed.

Action

Respond to the corresponding EMCMBAAR message. (Reply **Y** to remove the SRDF/Star or SRDF/SQAR environment or **C** to cancel.)

EMCMBA9R

```
Enter D to drop all RDFGRPS or C to cancel the drop
```

Cause

This message is issued in conjunction with EMCMB99R.

Action

Reply **D** to drop all SRDF groups or **C** to cancel.

EMCMBAAR

```
Enter Y to remove STAR/SQAR environment or C to cancel
```

Cause

This message is issued in conjunction with EMCMB9AR.

Action

Reply **Y** to remove the SRDF/Star or SRDF/SQAR environment or **C** to cancel.

EMCMBABE

```
RDF link srdfgrp is offline, ser symm-serial
```

Cause

The SRDF link for the indicated SRDF group is offline. The Automated Recovery utility cannot proceed until the link is restored. The utility will continue to check the link status every 30 seconds until all offline links are online or the operator responds to the corresponding EMCMBACR message.

Action

None.

EMCMBACR

```
All RDF links are not active, reply CONTInue or CANcel
```

Cause

This message is issued in conjunction with EMCMBABE to allow the operator to cancel the job.

Action

No action is required to continue the link status check, as the utility polls every 30 seconds. If all links are online, the message will be automatically cancelled. A reply of CONTInue causes an immediate status check. A reply of CANcel cancels the job.

EMCMBADE

```
Invalid reply
```

Cause

An invalid reply was issued in response to EMCMBACR.

Action

Reply CONTInue or CANcel to the EMCMBACR message.

EMCMBAAE

```
SCF Subsystem not available
```

Cause

The SCF task was not active, or the SCF subsystem name specified in the JCL for EHCMSME did not match that of any active SCF task.

Action

Correct the subsystem name on the SCF\$*nnnn* DD statement, ensure the appropriate SCF task is active, and submit the job again.

EMCMBAFR

```
Partial Commit, reply COMMIT or CANcel
```

Cause

This message is issued by the ME Cleanup Utility for an MSC group with multiple sessions, if the utility decides to issue a Discard when a Commit was issued for at least one of the other MSC sessions.

Action

Reply COMMIT to override the Discard to issue a Commit instead. Reply CANCEL to terminate the ME utility.

EMCMBBHR

```
{R2 RESTORE|R1 CLEANUP} in progress, reply RETRY or CANCEL
```

Cause

The ME Cleanup Utility cannot proceed because of the conditions indicated in the message.

Action

Replying RETRY will allow the ME Cleanup Utility to retry its operation. Replying CANCEL will terminate the Automated Recovery utility.

EMCMBC0R

```
EMCTF failed with rc xx, reply CONTINUE or CANCEL
```

Cause

The TimeFinder Goldcopy step initiated by Auto Recovery failed. Review the TimeFinder output in the Auto Recovery job to determine the error.

Action

Reply CONTINUE to ignore the error or CANCEL to propagate the return code to the Auto Recovery procedure.

EMCMN00I

```
SRDF-HC : (nnn) command
```

Cause

This message is issued when any SRDF Host Component command is entered.

Action

None.

EMCMN01E

```
MODULE MUST BE IN APF LIBRARY
```

Cause

The module is not in APF library.

Action

Check with your system programmer, make sure the library is defined as APF, and then restart the task.

EMCMN02I

```
START CIB FREE FAILED, PROCESSING CONTINUES
```

Cause

The system was trying to free a CIB block that is not on the CIB chain.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

EMCMN03I

SRDF HOST COMPONENT *Vv.r.m* NOW ACCEPTING COMMANDS

Cause

Prior to this message, any SRDF Host Component commands you enter are rejected. However, after this message is issued, SRDF Host Component accepts commands to be processed, and begins processing them when message EMCMN81I is subsequently issued.

Action

You may begin entering SRDF Host Component commands.

EMCMN04I

EMC STC IS ENDING BECAUSE OF STOP COMMAND

Cause

The #STOP command was issued against the started task.

Action

None.

EMCMN05E

MVS RELEASE IS BELOW MINIMUM LEVEL

Cause

The operating system is below MVS/ESA 4.3. SRDF Host Component cannot run on a system below this level.

Action

Upgrade MVS.

EMCMN06E

QUERY COMMAND MUST BE FROM A MASTER CONSOLE

Cause

An #SQ command was issued at a non-master console, but the SECURITY=MASTER is specified in the SRDF initialization parameter file.

Action

Issue the command at a console with master console authority.

EMCMN07E

CONFIG COMMAND MUST BE FROM A MASTER CONSOLE

Cause

An #SC CNFG command was issued at a non-master console as the SECURITY_CONFIG=MASTER has been specified in the SRDF initialization parameter file.

Action

Issue the command at a console with master console authority.

EMCMN08E

INVALID SRDF COMMAND, PLEASE RETRY

Cause

The command that was entered has an invalid format.

Action

Check your command syntax, and reenter the command. Command formats are fully described in the *SRDF Host Component for z/OS Product Guide*.

EMCMN09I

```
MESSAGE INTERFACE HAS BEEN WITHDRAWN
```

Cause

This message is issued when SRDF Host Component is terminating.

Action

None.

EMCMN0AI

```
Parse test complete
```

Cause

A command was issued specifying that parse testing only was to take place for the command. This can be done by specifying the PRSTST option for the command action or by specifying the CQNAME keyword parameter with queue code T. Parsing has completed for the command.

Action

If a parse error was detected, correct the error and retry the test.

EMCMN0BI

```
Cancelling SRDF Host Component subtasks with U1222abend code
```

Cause

IMMED was given in response to message EMCMN99R, and active SRDF Host component subtasks were found. SRDF Host Component cancels the active subtasks.

Action

None.

EMCMN10I

```
SUBSYSTEM INTERFACE HAS BEEN WITHDRAWN
```

Cause

This message is issued when SRDF Host Component has been terminated.

Action

None.

EMCMN11E

```
Only 'ALL' or volume count valid with LCL
```

Cause

A volume query command (#SQ VOL, #SQ RAID5, #SQ RAID6, or #SQ RAID10) was entered specifying the format LCL(ccuu,srdfgrp),state. However, when LCL is specified for one of these commands, only ALL or a volume count may be requested. That is, only the formats LCL(ccuu,srdfgrp),ALL or LCL(ccuu,srdfgrp),volume-count are allowed.

Action

Make an appropriate correction to the command format.

EMCMN12E

```
NUMBER OF VOLUMES TO DISPLAY IS INVALID
```

Cause

The count, number of volumes to display, has an invalid format.

Action

Check your command syntax and reenter the command.

EMCMN13E

```
NUMBER OF DEVICES TO DISPLAY MUST NOT EXCEED nnnn
```

Cause

An #SQ VOL, #SQ BCV, or #SQ MIRROR command was issued, and the count requested exceeds the value selected for the MAX_QUERY initialization parameter.

Action

Reenter the command, specifying a count field less than or equal to the MAX_QUERY value. To display additional devices, issue another query command with the starting-device-number value specified.

EMCMN14E

```
CUU NUMBER OR RANGE IS INVALID
```

Cause

CUU has an invalid format or invalid range specified.

Action

Check your command syntax and reenter the command.

EMCMN15E

```
CONFIG MSG - INVALID OR MISSING OPERAND
```

Cause

An #SC command was issued with invalid syntax.

Action

Check your command syntax and reenter the command.

EMCMN17E

```
SQ(QUERY) SUBPARAM IS INVALID. PLEASE USE HELP COMMAND FOR VALID  
COMMANDS
```

Cause

An #SQ command was entered, and the first subparameter was either missing or invalid.

Action

Check your command syntax and reenter the command.

EMCMN18E

```
MESSAGE COUNT IS INVALID
```

Cause

An #SQ MSG,*count* command was issued where the count, that is, the number of messages to be displayed, exceeds the acceptable value.

Action

Specify a valid count and reenter the command. See *SRDF Host Component for z/OS Product Guide* for information about valid values.

EMCMN19I

MESSAGE PROCESSING NOT SPECIFIED

Cause

An #SC MSG command was issued, and MESSAGE_PROCESSING=NO was requested at initialization time.

Action

None.

EMCMN20E

ACTION WAS NOT SPECIFIED OR INVALID

Cause

The action is either missing or has an invalid format.

Action

Check your command syntax and reenter the command.

EMCMN21E

MESSAGE INTERFACE HEADER FAILED VALIDATION

Cause

The product interface to SVC 76 cannot be fully removed and cannot be updated to indicate that it is disabled. It appears that someone has modified the interface.

Action

Contact the Dell EMC Customer Support Center.

EMCMN22E

INVALID REMOTE SPECIFICATION

Cause

An #SC BCV command was issued with the RMT(...) parameter specified incorrectly.

Action

Check your command syntax, and reenter the command with a corrected RMT specification. Be sure that the format of the RMT parameter is correct for the action code. If the device specified in the cuu subparameter is not an R1 device, be sure that the srdfgrp# subparameter is specified.

EMCMN23E

INVALID STARTING DEVICE# SPECIFIED

Cause

An #SQ command was issued with the starting device number field specified incorrectly.

Action

Check your command syntax and reenter the command.

EMCMN24E

```
DV NUMBER OR RANGE IS INVALID
```

Cause

The device number has an invalid format.

Action

Check your command syntax and reenter the command.

EMCMN25I

```
EMC CONSOLE DISPLAY COMMANDS - Vv.r.m
```

Cause

A #HELP command was issued.

Action

None.

EMCMN26E

```
SC(ONFIG) SUBPARM IS INVALID. PLEASE USE HELP COMMAND FOR VALID  
COMMANDS
```

Cause

The #SC VOL or #SC LINK command was issued with the VOL or LINK subparameter missing.

Action

Check your command syntax and reenter the command.

EMCMN27E

```
SC(ONFIG) LINK, INVALID DIRECTOR NUMBER, MUST BE AN RA
```

Cause

An #SC LINK,*cuu,dir#*,{ONLINE|OFFLINE} command was issued with an invalid director.

Action

Issue an #SQ LINK,*cuu* command to find the correct director number, and then reenter the command.

EMCMN28E

```
SC(ONFIG) LINK, ACTION MUST BE ONLINE OR OFFLINE
```

Cause

An #SC LINK command was issued with the ONLINE or OFFLINE keyword.

Action

Specify the ONLINE or OFFLINE keyword and reenter the command.

EMCMN2AE

```
Invalid or excluded device address specified
```

Cause

A CCUU was specified that is unknown to SCF.

Action

Use a device that is known to SCF as a gatekeeper.

EMCMN2BE

Device address used as a CUU is not an RDF device

Cause

The device specified as the gatekeeper was not an SRDF device; consequently, an SRDF group cannot be determined for the request. When the RMT form of a request is specified without a hop list value then the hop list is derived from the SRDF group of the gatekeeper. When the gatekeeper is not an SRDF device or if the device belongs to multiple SRDF groups, the path cannot be determined.

Action

For an RMT request, specify the hop list and an SRDF group. For an LCL request, specify an SRDF group.

EMCMN30E

UNABLE TO FIND CUU IN SSID TABLES

Cause

An #SC VOL command was issued with a CUU that has been either excluded from the SRDF Host Component initialization file or undefined to SCF.

Action

Issue the #SQ VOL command to find the correct CUU, correct the mistake, and reenter the #SC VOL command.

EMCMN31E

SC(ONFIG) CNFG, ADCOPY_MAX_SKEW VALUE NOT SPECIFIED OR INVALID

Cause

An #SC CNFG,*cuu*,ADCOPY_MAX_SKEW command was issued with a missing or invalid third subparameter.

Action

Reenter the command with a specified value, where value can be from 1 to 999,999.

EMCMN32E

INVALID DYNAMIC RDF FLAGS SPECIFIED

Cause

An #SC VOL command with a dynamic SRDF action (such as SWAP, CREATEPAIR, or DELETEPAIR) was entered and special processing flags were specified incorrectly.

Action

Reenter the command with correct flags.

EMCMN33W

WARNING, SOURCE (R1) TO BECOME TARGET (R2) IN R/W AND READY STATE

Cause

An #SC VOL command with a SWAP action and swap flags was issued. The swap flags indicate that the current R1 device(s) are to become R2s, and placed in a write-enabled and ready to the host state. Note that if the device is online to the local host, the host could continue to write to the device even after it becomes an R2. This would build up R1

invalid tracks on the (new) R2 side.
Processing continues.

Action

After swap completes, check the host state of the R2 device. Perform testing recovery procedures described in the *SRDF Host Component for z/OS Product Guide*, if necessary.

EMCMN35E

```
SSID COUNT IS INVALID
```

Cause

An #SQ SSID,*count* command was issued where the count, that is, the number of SSID to be displayed, exceeds the acceptable value.

Action

Specify a valid count value and reenter the command. The *SRDF Host Component for z/OS Product Guide* lists the valid values.

EMCMN36E

```
TOO MANY SUBPARMS ON {LCL|RMT} SPECIFICATION
```

Cause

A command was entered with the LCL or RMT parameter, but too many subparameters were specified.

Action

Reenter the command with the LCL or RMT parameter specified correctly. See the *SRDF Host Component for z/OS Product Guide* for the correct command syntax.

EMCMN37E

```
INVALID DELIMITER IN {LCL|RMT} SPECIFICATION
```

Cause

An #SQ or #SC command with the RMT or LCL option was requested, and an invalid delimiter was found in the specification.

Action

Check the command syntax, and reenter the command.

EMCMN38E

```
DEVICE NUMBER OR RANGE REQUIRED FOR RMT REQUEST
```

Cause

An #SC VOL,RMT command was entered, and the device number or range option was omitted.

Action

Reenter the command, specifying the PowerMax or VMAX device number or range.

EMCMN39E

```
INVALID RDF GROUP NUMBER srdmgrp SPECIFIED (text)
```

Cause

An #SC or #SQ command was entered with the LCL(*cuu,srdmgrp*) or RMT(*cuu,hoplist,srdmgrp*) option, and the SRDF group number specified by *srdmgrp*, or contained within *srdmgrp* if a list was specified, was invalid. Additional information,

specified by *text*, is for Dell EMC use.

Action

Check the command syntax. Issue an #SQ LINK or #SQ VOL command to determine what SRDF group numbers are valid in your configuration. Reenter the command.

EMCMN3AE

```
MOVEPAIR target RDF group not specified
```

Cause

An #SC VOL MOVEPAIR command was issued. However, the target SRDF group, specified as the positional parameter following the device range, was missing. The command is not processed.

Action

Correct and submit the command again.

EMCMN3BE

```
MOVEPAIR source RDF group not specified
```

Cause

An #SC VOL MOVEPAIR command was issued. However, the source SRDF group, specified subparameter 2 of LCL (or subparameter 3 of RMT), was missing. The command is not processed.

Action

Correct and submit the command again.

EMCMN3CE

```
MOVEPAIR requires either 'LCL' or 'RMT'
```

Cause

An #SC VOL MOVEPAIR command was issued. However, the second parameter of the command was neither the LCL or the RMT keyword parameter. The command is not processed.

Action

Correct and submit the command again.

EMCMN3DE

```
CREATEPAIR(NOCOPY) specified, but prohibited by initialization parameters
```

Cause

An #SC VOL command was issued specifying the CREATEPAIR action with the NOCOPY flag. However, the SRDF Host Component initialization parameter ALLOW_CRPAIR_NOCOPY was set to NO. The action is denied.

Action

Do not specify the NOCOPY flag if your SRDF Host Component initialization parameters prohibit the use of this flag.

EMCMN3EE

```
Group name invalid with SUSP-CGRP
```

Cause

An #SC VOL command was issued with action SUSP_CGRP. However, the GROUP or SCFGROUP keyword was used. These keywords are not valid for the SUSP_CGRP action. This is treated as a syntax error, and the command is not processed.

Action

Specify *cuu*, LCL(*cuu,srdfgrp*), or RMT(*cuu,hoplist,srdfgrp*), where *cuu* is the z/OS address of a device in the consistency group to be tripped, and *srdfgrp* is the applicable SRDF group, if needed.

EMCMN3FE

LCL or RMT required for cascaded action

Cause

An #SC VOL command was issued for a composite action, but neither the LCL nor the RMT keyword is present. Composite actions require that an SRDF group be specified or implied, which may only be the case in the context of a LCL or RMT keyword. The command is rejected as syntactically incorrect.

Action

Reissue the command, specifying LCL or RMT with appropriate subparameters.

EMCMN40E

GROUP NAME MISSING OR INVALID, COMMAND ABORTED

Cause

An #SQ or #SC command was entered with the G(*groupname*) option, and the *groupname* specified in the command is not defined either as an SMS group or as a user-defined group.

Action

Verify the spelling of the group name you specified. If you expected the group to be defined as an SMS group, check with your SMS administrator for a list of the valid group names in your system. Correct and reenter the command.

EMCMN41E

UNABLE TO RESOLVE GROUP NAME *groupname*, RC=*return-code*, RE=*reason-code*

Cause

An #SQ or #SC command was entered with the G(*groupname*) option, and SMS was unable to service the request.

Action

Check with your SMS administrator for a list of the valid group names and the state of SMS in your system. Correct and reenter the command.

EMCMN42I

NO VOLUMES IN GROUP *groupname*

Cause

An #SQ or #SC command was entered with the G(*groupname*) option. However, the SMS group you specified contains no online volumes.

Action

Ensure that you have specified the correct group name. If you have, determine why none of the volumes in the specified group is online. Correct and reenter the command.

EMCMN43E

CQNAME PARAMETER MISSING OR INVALID

Cause

A command was entered with the CQNAME parameter specified incorrectly.

Action

Reenter the command correctly.

EMCMN44E

CQNAME NOT ALLOWED FOR THIS COMMAND

Cause

A command was entered with the CQNAME parameter specified, However, CQNAME is not supported for the command entered.

Action

Reenter the command without the CQNAME parameter.

EMCMN45E

SSID MISSING OR INVALID

Cause

An #SQ or #SC VOL command was issued with an SSID parameter, but the specified SSID is not valid.

Action

Reissue the command with a valid SSID.

EMCMN46E

SSID INVALID DELIMETER

Cause

An #SQ or #SC VOL command was issued with an SSID parameter, but the specified SSID was not followed by a closing) parenthesis.

Action

Review the syntax and reenter the command.

EMCMN47E

SSID *ssid* NOT FOUND, TRY SC GLOBAL, SSID-REFRESH

Cause

A query command was issued with the SSID parameter, but the specified SSID was not found or no devices were found online in that SSID.

Action

Issue an #SQ SSID,ALL or an #SQ CNFG command to get a list of the valid SSIDs. Reissue the command with a valid SSID.

EMCMN48E

LCL(DDDD) INVALID, MUST USE LCL(DDDD,RAGROUP#)

Cause

An #SC VOL command was entered with the LCL keyword; however, the SRDF group was not supplied.

Action

For a concurrent SRDF device, reenter the command, specifying the LCL keyword and the SRDF group. For a non-concurrent SRDF device, reenter the command, specifying the MVS device number without the LCL keyword.

EMCMN49E

ILLEGAL DYNAMIC RDF FLAG COMBINATION

Cause

An #SC VOL command with a dynamic SRDF action was issued, but an invalid flag combination was specified.

Action

Review the list of specified flags. Make the necessary corrections and submit the command again.

EMCMN4AE

MOVEPAIR source and target RDF groups the same

Cause

An #SC VOL command was detected with a MOVEPAIR or HMOVEPAIR action. However, the source and target SRDF groups specified in the command are the same, which is not permitted. Consequently, the command fails.

Action

Determine the result that was intended and reissue the command, if appropriate, specifying valid parameters.

EMCMN4BE

SYNTAX ERROR - MISSING COMMA IN COMMAND STRING

Cause

A required comma is missing in the SRDF Host Component command string that was entered.

Action

Reissue the command string with the required comma. Check the SYSLOG immediately preceding this error message to see the command string to which this message pertains.

EMCMN50E

xxx SPECIFICATION NOT SUPPORTED FOR SWAP CREATEPAIR DELETEPAIR

Cause

An #SC VOL command with a dynamic SRDF action and the RMT format of the command was used.

Action

For CREATEPAIR, use the #SC VOL,LCL(*cuu,srdfgrp*) format of the command. For SWAP and DELETEPAIR, use the #SC VOL,*cuu* format of the command.

EMCMN51E

CONTROLLER NAME SPECIFICATION ERROR - *text*

Cause

A command was entered that attempted to identify a storage system by name. However, an error identified by *text* was encountered:

- NAME NOT SPECIFIED - The CONTROLLER keyword did not include a value.
- INVALID NAME SPECIFIED - The storage system name length specified was greater than 65, the maximum length allowed.
- CONTROLLER NOT FOUND - No online storage system was found with the specified storage system name.
- INVALID PARAMETER FORMAT - A right parenthesis did not follow the storage system name in the command.
- INVALID GROUP SPECIFIED - The specified SRDF group number exceeded the maximum allowed for the storage system with the specified storage system name.

Action

If the error is a syntax error, correct the error and submit the command again. If CONTROLLER NOT FOUND is shown, determine whether the storage system name has been incorrectly specified or whether the storage system is offline. If INVALID GROUP SPECIFIED is shown, correct the group number or the storage system specification as required.

EMCMN52E

```
VOLSER NAME MISSING OR INVALID, COMMAND ABORTED
```

Cause

An #SQ VOL,V(*volser*) command was issued, but the volser was not specified correctly.

Action

Issue the command again with the correct online volser.

EMCMN53E

```
Hop not permitted for local request
```

Cause

A command was issued specifying the LCL keyword parameter. However, the second subparameter specifies a hop list containing two or more hops (SRDF group numbers separated by periods). The hop list specified with the LCL keyword must consist of a single SRDF group number only. The command is not processed.

Action

Correct and submit the command again.

EMCMN54E

```
INVALID SESSION NUMBER SPECIFIED BY KEYWORD
```

Cause

An #SQ SRDFA or #SQ SRDFA_VOL command was issued with the SN keyword. However, the value specified, an SRDF/A session number, is not valid.

Action

Specify a valid SRDF/A session number and submit the command again.

EMCMN55E

```
CLOSING PARENTHESIS MISSING FROM SN KEYWORD VALUE
```

Cause

An #SQ SRDFA or #SQ SRDFA_VOL command was issued with the SN keyword. However, the closing parenthesis “)” was omitted after the value, an SRDF/A session number.

Action

Include a right parenthesis after the SRDF/A session number.

EMCMN56E

```
ADC-MAX COUNT MISSING OR INVALID, COMMAND ABORTED
```

Cause

An #SC VOL command with the ADC-MAX action was issued; but the count field was missing or invalid.

Action

Correct the count value and reissue the command.

EMCMN57E

```
ADCOPY_GLOBAL_RATE MUST BE SPECIFIED AS FAST, MEDIUM, OR SLOW
```

Cause

An #SC CNFG,*cuu*,ADCOPY_GLOBAL_RATE command was specified; but, the rate was specified incorrectly.

Action

Specify the rate as FAST, MEDIUM, or SLOW.

EMCMN58E

```
ADCOPY_RATE MUST BE SPECIFIED AS MAXIMUM, FAST, MEDIUM, OR SLOW
```

Cause

An #SC VOL command was issued with an action code of ADCOPY_RATE; however, the rate value was either not specified or was specified incorrectly.

Action

Reenter the command with a valid rate specification.

EMCMN59E

```
Bad\missing hop list, group srdfgrp invalid or unresolved
```

Cause

Unable to discover a remote storage system because the hop list was invalid or not specified. The group number displayed is the one that could not be resolved. When the group number is x'FF', it indicates that a hop list was not specified or that a hop from the CCUU specified on the command could not be determined.

Action

Specify a valid hop list with the command.

EMCMN5BE

```
Single Session SRDF/A Recovery is not supported
```

Cause

Auto Recovery for single session SRDF/A (non-MSD mode) is not currently supported.

Action

Perform manual recovery for the SRDF/A group as follows:

1. Resume the R1 devices using the #SC VOL RDF_RSUM,ALL command.
2. Activate SRDF/A using the #SC SRDFA ACT command.

EMCMN60E

SYNCH DIRECTION NOT ALLOWED

Cause

An #SC GLOBAL,SYNCH_DIRECTION (or #SC CNFG, SYNCH_DIRECTION) command was entered; however, the SYNCH_DIRECTION_ALLOWED initialization parameter specified NONE or did not allow the requested R1-R2 synchronization direction (R1>R2 or R1<R2).

Action

The command is aborted.

EMCMN61E

SYNCH DIRECTION MISSING OR INVALID

Cause

An #SC GLOBAL,SYNCH_DIRECTION command was requested; however, the value is missing or was not one of the accepted values.

Action

The command is aborted.

EMCMN62E

SC(ONFIG) GLOBAL, ACTION MISSING OR INVALID

Cause

An #SC GLOBAL command was requested; however, the action code was either missing or was not one of the accepted values.

Action

The command is aborted.

EMCMN64E

SPECIFIED CUU IS IN EXCLUDED DEVICE RANGE

Cause

An SRDF Host Component command was entered, and an MVS device number that was in the excluded device range initialization parameters was specified.

Action

Select another device or change the initialization parameters, and restart the SRDF Host Component.

EMCMN65E

Extraneous third LCL subparameter detected

Cause

An #SC VOL command used the LCL keyword parameter with more than two subparameters, for example, LCL(3320,1E,68). The LCL keyword parameter may have only two subparameters unless the action is CASCRE. Consequently, the command fails

with a syntax error.

Action

Remove the extraneous subparameter and reissue the command.

EMCMN67I

```
SWAPPING LOG FILE FROM DDNAME=ddname TO DDNAME=ddname
```

Cause

An #SC GLOBAL,SWAPLOG command was issued and the log was swapped.

Action

None.

EMCMN69E

```
SPECIFIED CCU IS A VIRTUAL DEVICE
```

Cause

A command was issued to a virtual device for the I/O path. Virtual devices cannot be used for the I/O path.

Action

Use a different device in the storage system.

EMCMN70E

```
RANGE IS NOT ALLOWED FOR THIS COMMAND
```

Cause

An SRDF Host Component command was issued with an z/OS or PowerMax or VMAX device range, and the command was not #SC VOL.

Action

Device range specifications (consisting of two z/OS or PowerMax or VMAX device numbers separated by a '-') are only allowed on an #SC VOL command. Check your syntax and reenter the command.

EMCMN71I

```
SWAPPING OF LOG FAILED. ONLY ONE LOG FILE DECLARED.
```

Cause

Only one log file was declared (HCLOG1 or HCLOG2) and an #SC GLOBAL,SWAPLOG command was entered.

Action

None.

EMCMN72E

```
CLOSE FAILED FOR ddname
```

Cause

During shutdown of SRDF Host Component, an attempt was made to close the log file; however, the attempt failed.

Action

Scan the system log for messages that may tell why the close failed.

EMCMN73I

CLOSE SUCCESSFUL FOR *ddname*

Cause

During shutdown of SRDF Host Component, an attempt was made to close the log file. The close was successful.

Action

None.

EMCMN75W

COMMAND LOGGING SUSPENDED

Cause

The log file has filled, and command logging is suspended.

Action

If only one log file was declared (DDname HCLOG1 or HCLOG2) in the startup JCL, command logging is suspended for the duration of this execution of SRDF Host Component. If both log files were declared, issue the #SC GLOBAL SWAPLOG command to begin logging commands on the alternate file. #SQ GLOBAL may be used to display the current log file.

EMCMN76E

UNRECOGNIZED PARAMETER

Cause

An #SQ LINK,*cuu*,*x* command was entered, and *x* was not a valid parameter.

Action

Check your command syntax and reenter the command.

EMCMN77E

SYMMETRIX *xxxxxxx* SUBTASK IS BUSY, REQUEST ABORTED

Cause

An #SC or #SQ command was entered with the G(*smsgroupname*) option, and the storage system, identified by *xxxxxxx*, was busy performing a request of the same type.

Action

Wait for the previous command to complete and then try the request again.

EMCMN79I

NO ELIGIBLE ONLINE DEVICES FOUND IN GROUP *groupname*

Cause

An #SC or #SQ command was entered with the G(*groupname*) option, but no volumes were online and eligible for the request.

Action

Verify that the correct SMS group name was specified. Check the devices in the SMS group to ensure that they are online. If the command was an #SC VOL command, use an #SQ VOL command to ensure that the group contains online devices of the correct type for the specified action.

EMCMN7BI

```
No online devices found matching volser/mask
```

Cause

An SQ or SC command was issued with location information specified via the VOL keyword parameter. This parameter specifies a volser or mask used to select devices. The command then applies to each storage system on which at least one of the selected devices reside. However, no matching volser was found, so no applicable storage system could be determined. The command was therefore not processed.

Action

Correct the volser or mask, or specify the location information for the command in a different way, such as via a gatekeeper or a defined, SCF, or SMS group, and reissue the command.

EMCMN80E

```
COMMAND ABORTED, QUEUE HAS BEEN PURGED FOR CQNAME=cqname
```

Cause

A command was entered with the CQNAME parameter specified, and the specified command queue has been purged recently.

Action

Wait a minute, and reenter the command.

EMCMN81I

```
SRDF HOST COMPONENT Vv.r.m NOW PROCESSING COMMANDS
```

Cause

This message is issued when SRDF Host Component initialization completes and starts processing commands.

Action

None.

EMCMN82E

```
STOP COMMAND NOT ALLOWED
```

Cause

The #STOP command was entered from the batch interface. The #STOP command is not supported from the batch interface.

Action

Issue the #STOP command without using the batch interface.

EMCMN83E

```
CQNAME NOT ALLOWED
```

Cause

A command with the CQNAME parameter was entered from the batch interface. CQNAME is not supported from the batch interface.

Action

Remove this parameter, and submit the job again.

EMCMN84E

SCF SUBSYSTEM NOT FOUND

Cause

SRDF Host Component was started and the SCF subsystem was not found. SRDF Host Component requires the SCF subsystem to be running before it can run.

Action

Start your SCF subsystem. After the SCF subsystem is started and has completed its device scan, start SRDF Host Component.

EMCMN85E

SCF SUBSYSTEM FOUND WITH VERSION *vrn* AND SRDF HOST COMPONENT VERSION *vrn* IS NOT COMPATIBLE WITH IT

Cause

During operation of SRDF Host Component, it was found that the SCF instance with which it was going to communicate was an incompatible version. This can happen if a currently running SCF is shut down and an incompatible version is subsequently brought up while SRDF Host Component is running. This condition is also detected during startup of SRDF Host Component if the currently running version of SCF is an incompatible version.

- When this problem is detected after SRDF Host Component has already been running, then SRDF Host Component communication with SCF is halted and an EMCMN86R WTOR message is issued.
- When this problem is detected during startup of SRDF Host Component, this message is issued and SRDF Host Component shuts down with return code 8.

Action

- If an EMCMN86R WTOR message is issued: Shut down the incompatible version of SCF and bring up the correct version. If SRDF Host Component remained operating but halted communication with SCF, reply "RETRY" to the EMCMN86R WTOR message once the correct version of SCF has been started and completed initialization.
- If SRDF Host Component shut down with return code 8: bring SRDF Host Component back up.

EMCMN86R

SCF SUBSYSTEM NOT FOUND - START SCF AND RETRY [OR CANCEL]

Cause

SRDF Host Component was started and the SCF subsystem was not found. SRDF Host Component requires the SCF subsystem to be running before it can run.

Action

Start your SCF subsystem and retry the operation. If SCF is in the process of starting up, reply CANCEL.

EMCMN87I

SCF SUBSYSTEM FOUND - BUT WAITING ON DEVICE TABLE INITIALIZATION

Cause

SRDF Host Component was started and the SCF subsystem was found, but not completely initialized. SRDF Host Component requires the SCF subsystem to be running and the SCF device table to be initialized before it can run. This message is issued approximately every 307 seconds until the SCF device table initializes. If the SCF subsystem fails to initialize after 12 attempts, this message is issued and the I/O returns with an error.

Action

Wait. The SCF subsystem is running for this message to be issued. After the device table is initialized, SRDF Host Component continues automatically.

EMCMN88E

```
EMCTF IS NOT FOUND - TIMEFINDER COMMANDS ARE NOT AVAILABLE
```

Cause

A command was issued to SRDF Host Component that requires EMCTF, the Dell EMC TimeFinder/Mirror program. EMCTF was not found, preventing the command from running.

Action

If you are licensed for TimeFinder/Mirror, include the library that contains EMCTF in the SRDF Host Component STEPLIB. If you are not licensed for TimeFinder/Mirror, contact your Dell EMC sales representative.

EMCMN89E

```
STARTING VOLSER IS NOT VALID
```

Cause

The starting, specified VOLSER contained non-alphanumeric data.

Action

Specify the starting VOLSER again using only alphanumeric data.

EMCMN8AE

```
SRDFA action failed validation
```

Cause

A condition exists that is preventing the action from occurring.

Action

Review all earlier messages, display all devices involved in the action, and correct any anomalies you find.

EMCMN8BE

```
SRDFA Devices failed validation
```

Cause

One or more devices are either not in the correct state or the connection between the local device and the remote device is invalid. A common cause of the error is missing remote devices.

Action

Display the devices involved in the request and correct any anomalies you find. Then either resubmit the command or submit another command to put the devices into the desired state.

EMCMN90I

QUERY SORT ORDER IS NOW BY MVSCUU

Cause

An #SC GLOBAL,SORT_BY_MVSCUU command was issued, changing the sort order for the #SQ VOL, #SQ RAID, #SQ RAID5, #SQ RAID6, #SQ RAID10, #SQ MIRROR and #SQ STATE commands.

Action

None.

EMCMN91I

QUERY SORT ORDER IS NOW BY SYMDEV

Cause

An #SC GLOBAL,SORT_BY_SYMDEV command was issued, changing the sort order for the #SQ VOL, #SQ RAID, #SQ RAID5, #SQ RAID6, #SQ RAID10, #SQ MIRROR and #SQ STATE commands.

Action

None.

EMCMN92I

QUERY SORT ORDER IS NOW BY VOLSER

Cause

An #SC GLOBAL,SORT_BY_VOLSER command was issued, changing the sort order for the #SQ VOL, #SQ RAID, #SQ RAID5, #SQ RAID6, #SQ RAID10, #SQ MIRROR and #SQ STATE commands.

Action

None.

EMCMN93E

CREATEPAIR R2 DEVICE INCORRECT OR NOT SPECIFIED

Cause

An #SC VOL command with a CREATEPAIR action was issued, but the device number for the new R2 device(s) was not specified or was specified incorrectly.

Action

Review the syntax for the CREATEPAIR action and reissue the command.

EMCMN94I

QUERY SORT ORDER IS NOW BY COMMAND

Cause

The option to use SORT_BY_COMMAND was activated.

Action

None.

EMCMN95E

SCFG(*gnsgrp*) HAS BEEN REQUESTED, BUT THIS SERVICE IS NOT ACTIVE IN

SCF

Cause

The SCF name service is being requested. However, support for the services is not available.

Action

None.

EMCMN96E

SCFG(*gnsgrp*) HAS BEEN REQUESTED, CONTACT THE EMC CUSTOMER SUPPORT CENTER

Cause

The SCF name service is being requested. However, the support for the service is not available in SCF.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCMN97E

#SC BCV,LCL AND #SQ BCV,LCL ARE NOT SUPPORTED COMMANDS

Cause

The LCL format of the BCV commands is not supported.

Action

Use the standard format of the BCV command.

EMCMN98E

SCFG(*gnsgrp*) *message-text*

Cause

An SCFG request was entered and the SCF GNS service failed. The *message-text* displays the corresponding error text string listed below with the causes and actions for each.

- GNS HAS NOT COMPLETED INIT. TRY LATER. - An SCFG request was made while SCF was still initializing. Wait a while and reenter the request.
- GROUP NAME WAS NOT SUPPLIED - SRDF Host Component did not supply a valid group name to SCF GNS. Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.
- GROUP NOT FOUND - The requested group name was not defined. Check the group name specified. Reenter the command with the correct group name.
- INSUFFICIENT STORAGE IN SCF SERVER - SCF GNS was unable to obtain enough virtual storage to satisfy the request. Check the region for the SCF server address space.
- INVALID @EMCGRP VERSION ID - The running version of SCF GNS is

incompatible with the running version of SRDF Host Component. Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

- `I/O ERROR` - An I/O error occurred while processing the GNS request. Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.
- `OUTPUT BUFFER IS TOO SMALL` - An SCFG request was made and GNS tried to return more than 32k worth of information. Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.
- `PC ROUTINE ABENDED` - An abend occurred in the SCF interface. Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.
- `REQUEST IS NOT VALID` - SRDF Host Component made a request to GNS, and GNS did not recognize the request type. This may indicate a software level incompatibility between SCF and SRDF Host Component, or it is the result of a software error. Check the SRDF Host Component and SCF versions. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.
- `REQUEST TIMED OUT. GNS NOT RESPONDING` - This message indicates that the GNS request was attempted, but failed. Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the SCF job log, and all relevant job documentation available.
- `SCF MAY NOT BE ACTIVE` - An SCFG request was made, but SCF is not active. Ensure that SCF is started and reenter the request.
- `xxxxxxxx/yyyyyyyy UNKNOWN GNS RC/RE` - An unknown return code or reason code was returned by GNS. This may indicate a software level incompatibility between SCF and SRDF Host Component, or it is the result of a software error. Check the SRDF Host Component and SCF versions. Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

Action

See the actions listed above for each error text string.

EMCMN99R

STOP REQUESTED, REPLY QUIESCE, IMMED, OR CANCEL

Cause

A #STOP or a P *procname* command was entered, and the command queues are not empty.

Action

Reply QUIESCE to wait until all queued commands are completed. Reply IMMED to terminate without running the queued commands. Reply CANCEL to cancel the request to stop SRDF Host Component.

EMCMN9AE

CASCRE site C device incorrect or not specified

Cause

An #SC VOL command with the CASCRE action was entered. This action requires a starting device number for the devices to become R2 as a result of the CASCRE action. However, this device number was omitted or was not a valid PowerMax or VMAX device number. Consequently, the command has failed with a syntax error.

Action

Correct the command syntax and reissue the command. The #SC VOL command syntax is described in the *SRDF Host Component for z/OS Product Guide*.

EMCMN9BE

CASCRE remote RDF group not specified

Cause

An #SC VOL command was issued with the CASCRE action. The CASCRE action requires that you specify both a local SRDF group and a remote SRDF group. However, the remote SRDF group, specified as the third subparameter of the LCL keyword or the fourth subparameter of the RMT keyword, is missing. Consequently, the action fails on a syntax error.

Action

Include the remote SRDF group and reissue the command.

EMCMN9CR

SUBTASK STILL ACTIVE, ENTER STOP OR WAIT

Cause

A #STOP or a P *procname* command was entered, and a subtask is still active.

Action

Reply WAIT to wait until the subtask is ended. Reply STOP to terminate the subtask.

EMCMNA0E

SQ DSTAT: INVALID DIRECTOR # SPECIFIED

Cause

An #SQ DSTAT,*cuu,dir#* was entered and an invalid director number was supplied

Action

Reenter the command specifying a valid director number.

EMCMNA1W

```
SCFG(gnsgrp) GNS RETURNED PARTIAL GROUP  
UNABLE TO RESOLVE SERIAL symm-serial  
END OF LIST OF UNRESOLVED SERIAL #'S
```

Cause

An SCFG request was entered and SCF GNS was not able to return some of the devices because the related storage systems are no longer available. SQ commands will continue processing and display the information for the available storage systems. SC commands will abort. The serial number for each unavailable storage system will be listed.

Action

Identify why the related storage systems are no longer available. If this is a valid situation, then enter the appropriate SCF commands to rebuild the groups.

EMCMNA2E

```
SCFG(gnsgrp) GNS RETURNED EMPTY GROUP
```

Cause

An SCFG request was entered and SCF GNS returned an empty group. The command is aborted.

Action

Check the group name and the group definition within SCF.

EMCMNA3E

```
SCFG(gnsgrp) GNS VERSION ERROR
```

Cause

An SCFG request was entered and the running version of SCF GNS is incompatible with the running version of SRDF Host Component.

Action

Check the SRDF Host Component and SCF versions. Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCMNA4I

```
Device table initialization now complete
```

Cause

The SCF device table is initialized.

Action

None.

EMCMNA5E

```
SCFG(gnsgrp) has invalid devices.
```

Cause

An #SC VOL,SCFG(*gnsgrp*) command was entered and the GNS group was not defined by

SRDF group and the devices in this group either have more or less than 1 SRDF mirror.

Action

Check the group definition within SCF and issue a #SQ VOL,SCFG(*gnsgrp*) to determine which devices are failing.

EMCMNA6E

This group type is intended for MSC use only

Cause

An SCFG request was entered and SCF GNS returned an empty group. This GNS group type is intended for MSC use only and is not compatible for use with SRDF Host Component.

Action

Check the group name and the group definition within SCF and verify that the group was not expanded into devices.

EMCMNB0E

```
SC SRDFA,XXXX,SET_HOST_THROTTLE,VVVVV REQUIRES VALUE VVVVV = 0 - 65535
```

Cause

The SET_HOST_THROTTLE value is not within the range of 0 and 65535.

Action

Specify a value within the indicated range and reissue the command.

EMCMNB1E

```
SC SRDFA,XXXX,SET_CACHE_LIMIT,VVV REQUIRES VALUE VVV = 0 - 99
```

Cause

The SET_CACHE_LIMIT value is not within the range of 0 and 99.

Action

Specify a value within the indicated range and reissue the command.

EMCMNB2E

```
SC SRDFA,XXX,SET_MIN_CYCLE_TIME,VV REQUIRES VALUE VV = 1 - 59
```

Cause

The SET_MIN_CYCLE_TIME value is not within the range of 1 and 59. Minimum cycle times less than 5 are valid only if both the remote and local storage systems for the SRDF group are at Engenuity 5773 or a later level of the operating environment.

Action

Specify a value in the indicated range and reissue the command.

EMCMNB3E

```
SC SRDFA,XXXX, SET_DROP_PRIORITY,VV REQUIRES VALUE VV = 1 - 64
```

Cause

The SET_DROP_PRIOROTY value is not within the range of 1 and 64.

Action

Specify a value in the indicated range and reissue the command.

EMCMNB4E

```
INVALID RDF-SUSP FLAGS SPECIFIED
```

Cause

You have issued an #SC VOL RDF_SUSP command with an invalid special processing flag.

Action

Rerun the command without the flag.

EMCMNB6E

```
SC VOL,ccuu,{ONLINE|OFFLINE} NOT SUPPORTED FOR RPB RELEASE vrm -  
COMMAND ABORTED
```

Cause

To use the ONLINE and OFFLINE commands, the ResourcePak Base release level that is used with SRDF Host Component should be 5.6.0 or later.

Action

Install ResourcePak Base 5.6.0 or later and reissue the command.

EMCMNB7W

```
#SQ BCV WILL NOT BE SUPPORTED IN FUTURE VERSIONS - USE #TF COMMAND
```

Cause

An #SQ BCV command has been issued that will not be supported after the release of 5.4.0 of SRDF Host Component.

This warning message is issued each time SRDF Host Component is restarted.

Action

Use the #TF command for TimeFinder commands and queries. See the *SRDF Host Component for z/OS Product Guide* for the proper use of #TF.

EMCMNB8W

```
#SC BCV WILL NOT BE SUPPORTED IN FUTURE VERSIONS - USE #TF COMMAND
```

Cause

An #SC BCV command has been issued that will not be supported after the release of 5.4.0 of SRDF Host Component. This warning message is issued each time SRDF Host Component is restarted.

Action

Use the #TF command for TimeFinder commands and queries. See the *SRDF Host Component for z/OS Product Guide* for the proper use of #TF.

EMCMNB9E

```
SC SRDFA_DSE,XXXX,THRESHOLD,VVV REQUIRES VALUE VVV = 20 - 100
```

Cause

An #SC SRDFA_DSE command to set the threshold has been issued with the value outside of the valid range of 20 to 100.

Action

Specify a value within the indicated range.

EMCMNC0E

SC RECOVER REJECTED, MSC GROUP REQUIRED

Cause

The MSC group name is a required parameter.

Action

Specify the command again, supplying the MSC group. See the *SRDF Host Component for z/OS Product Guide* for command syntax.

EMCMNC1E

SC RECOVER REJECTED, MSC ENVIRONMENT ERROR

Cause

An environmental error was discovered, preventing the completion of the #SC RECOVER command.

Action

This should not occur if SCF is active. Contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. A console dump of the SCF and Host Component address spaces may be requested as well.

EMCMNC2E

SC RECOVER REJECTED, MSC IS NOT ACTIVE

Cause

The #SC RECOVER command could not be processed because MSC is not active.

Action

A manual recover of the SRDF/A environment will be required to restore MSC to an operational state.

EMCMNC3E

SC RECOVER REJECTED, INVALID MSC GROUP

Cause

An invalid MSC group name was supplied.

Action

Specify the command again, supplying the correct MSC group.

EMCMNC4E

SC RECOVER REJECTED, AUTO RECOVERY IS ACTIVE

Cause

Only one SRDF Automated Recovery operation can be active.

Action

Wait for the current SRDF Automated Recovery procedure to complete. At the completion of the procedure, MSC should automatically resume.

EMCMNC5E

Unrecognized option xxxxxxxxxx

Cause

The indicated option was found in the option list included in an #SC command. However, the option is not known to SRDF Host Component. The command is not processed.

Action

Correct the invalid #SC command and submit again.

EMCMNC6E

```
An invalid delimiter follows flag-name
```

Cause

A character other than a comma or a right parenthesis was found following the indicated flag name. The command fails during syntax checking.

Action

Correct the erroneous command. Include the missing comma or right parenthesis as appropriate and submit the command again.

EMCMNC7E

```
SC RECOVER rejected, invalid option xxxxxxxx
```

Cause

An invalid option was specified with the #SC RECOVER command.

Action

Resubmit the command, specifying the correct options.

EMCMNC8E

```
SC RECOVER rejected, Auto Recovery is not enabled
```

Cause

An #SC RECOVER, MSC command was issued to initiate MSC Auto Recovery. However, Auto Recovery cannot be done when it is not enabled.

Action

SRDF/A must be manually restarted for each MSC group. To allow MSC Auto Recovery for future events, set the SRDFA_AUTO_RECOVER initialization parameter to YES or PROMPT and restart SRDF Host Component.

EMCMND3E

```
UNKNOWN "KEYWORD=" PARM ENTERED
```

Cause

An SRDF Host Component command was entered specifying an unknown keyword parameter utilizing the = sign.

Action

Check to make sure you entered a valid keyword parameter for the SRDF Host Component command you are issuing.

EMCMND4I

```
END OF {QUERY|CONFIG}
```

Cause

An SRDF Host Component SQ (query) or SC (configuration) command with the SCFG(*gnsgrp*), G(*groupname*), or VOL(*volser*) parameter was issued, and the GNS group exists.

This message indicates the end of information displayed as a result of the query or configuration command.

Action

None.

EMCMND5I

```
LIST OF FILTER CODES AND THEIR DESCRIPTIONS
```

```
text
```

Cause

This message is the result of issuing a #HELP CODES,FILTER command. It displays an explanatory list of all the filters that can be used on the SQ display commands.

Action

None.

EMCMND6I

```
LIST OF MR CODES AND THEIR DESCRIPTIONS
```

```
text
```

Cause

This message is the result of issuing a #HELP CODES,MR command. It displays an explanatory list of all the MR codes that can appear on the SQ display commands.

Action

None.

EMCMND7E

```
RDF group srfdgrp on serial symm-serial is offline
```

Cause

An SRDF Host Component RMT form command was entered and one of the groups specified in the path to the target storage system was offline.

Action

Either find another path to the target storage system, or contact the Dell EMC Customer Support Center in setting the offline group to an online state.

EMCMND8E

```
Unable to acquire memory for buffer pool copy
```

Cause

Internal module was unable to obtain memory.

Action

Save the dump information if exists. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

EMCMND9W

```
Unable to release buffer pool copy
```

Cause

Internal module was unable to release memory.

Action

Save the dump information if exists. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

EMCMNDAE

```
Unrecoverable error during PUT
```

Cause

SRDF Host Component was unable to write a record to the log.

Action

Save the dump information if exists. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

EMCMNDBI

```
Logging has been resumed.
```

Cause

An #SC GLOBAL,SWAPLOG command was issued and logging has been resumed.

Action

None.

EMCMNDCI

```
Current HCLOG is ddname
```

Cause

The message is issued to indicate the active HCLOG when SRDF Host Component stops. *ddname* is the current DDNAME (HCLOG1 or HCLOG2).

Action

None.

EMCMNDDE

```
Specified TF/M command longer than 72 characters.
```

Cause

A TimeFinder/Mirror command was specified that is longer than 72 characters, which is not allowed.

Action

Correct the command to the acceptable length and retry.

EMCMX03I

```
USER MSG EXIT FOR msgid
```

or

```
USER MSG EXIT FOR msgid, MVS DEVICE NUMBER IS cuu
```

or

```
USER MSG EXIT FOR msgid, MVS DEVICE NUMBERS FOLLOW: cuu1-cuu2
```

Cause

Sample exit message.

Action

None.

EMCPC01I

```
SAI RETURN R15=xxxxxxxx RC=xxxx RS=xxxx
```

Cause

Error occurred in Symmetrix API.

Action

When RC=0014 and RS=0051, the device specified in the SRDF Host Component command is not available to the host system. Check to see that the correct device number was specified and that the device is physically available. Enter a "D U" MVS operator command, and ensure that the device status does not indicate "BOX." Enter a "DEVSERV PATH" MVS operator command to ensure that there is at least one operational path to the device.

For any other RC and RS combination, contact the Dell EMC Customer Support Center.

EMCPC03W

```
SYMMETRIX UNIT AT ccuu IS AT A HIGHER MICROCODE RELEASE THAN IS FULLY SUPPORTED BY YOUR VERSION OF THE SRDF HOST COMPONENT. SOME HOST COMPONENT FUNCTIONALITY MAY BE LOST FOR THIS SYMMETRIX UNIT. CONTACT YOUR EMC REPRESENTATIVE FOR ASSISTANCE IN OBTAINING A HOST COMPONENT UPGRADE.
```

Cause

The indicated CUU is a volume on the storage system at a later operating environment level than that fully supports the SRDF Host Component software revision level you are currently running. SRDF Host Component issues this message once for each storage system director it detects at a later, unsupported operating environment level when it first references that director with a command.

Action

Contact the Dell EMC Customer Support Center.

EMCPC06E

```
CNTLUNIT IS IN DATA MIGRATION MODE, REQUEST ABORTED
```

Cause

An SRDF Host Component command was requested while the storage system was in Data Migration mode. Data Migration mode is not supported by SRDF Host Component.

Action

None. The command is aborted.

EMCPC07E

```
NOT AN RDF DEVICE, RAGROUP MUST BE SPECIFIED
```

Cause

An #SC or #SQ command was issued with the RMT option, the CUU specified was not an SRDF device, and an SRDF group number was not specified.

Action

Reenter the command, specifying an SRDF group number or a CUU that is an SRDF device.

EMCPC08I

```
RAGROUP srdfgrp DOES NOT EXIST on symmserial
```

Cause

An #SC or #SQ command was entered with the RMT(*cuu,srdfgrp*) option specified, and the specified SRDF group does not exist.

Action

Issue an #SQ LINK or #SQ VOL command to determine what SRDF group numbers are valid in your configuration. Reenter the command.

EMCPC09I

```
RMT OPERATIONS NOT SUPPORTED AT THIS MICROCODE LEVEL
```

Cause

An #SC or #SQ command was issued with the RMT option, and the specified storage system is below Enginuity 5x64.

Action

The request is aborted.

EMCPC10I

```
ALL RDF LINKS ARE UNAVAILABLE FOR REQUESTED RAGROUP
```

Cause

An #SC or #SQ command was issued with the RMT option, and all links for the specified SRDF group are offline or disconnected.

Action

Check the status of the links using an #SQ LINK command. Bring the links back online using an #SC LINK command. Try the command again.

EMCPC11E

```
CALYPSO CONFIGURATION IS NOT SUPPORTED, REQUEST ABORTED
```

Cause

The storage system has CALYPSO turned on, and SRDF Host Component does not support this configuration.

Action

Do not issue commands to storage systems with CALYPSO turned on.

EMCPC12E

```
CONCURRENT RDF DEVICE, RAGROUP MUST BE SPECIFIED
```

Cause

A command has been issued to a concurrent SRDF device, and the SRDF group of the mirror the command is to reference was not specified. A default cannot be determined since the device has more than one SRDF group.

Action

Specify the SRDF group that the command is to be issued to, and reissue the command.

EMCPC13E

```
MULTIHOP REQUIRES RAGROUP BE SPECIFIED
```

Cause

A command was issued using the RMT (*cuu, hoplist, srdfgrp*) format. The hop list did not contain a first hop.

Action

Add the first hop, and reissue the command.

EMCPC14E

```
MULTI-HOP LOOP DETECTED - COMMAND ABORTED  
LOCAL          SERIAL# = symmserial  
FIRST  HOP SERIAL# = symmserial  
SECOND HOP SERIAL# = symmserial  
THIRD  HOP SERIAL# = symmserial
```

Cause

An SRDF Host Component command was issued with an RMT specification, and a hop list was supplied. The hop list was specified such that at least one of the hops referenced a storage system that was touched earlier in the list. This is not supported.

Action

Review your hop list to verify that it ends at the storage system that you intended. If necessary, consolidate your hop list such that each hop does not hop to a storage system that was referenced earlier in the list.

EMCPC14I

```
MULTI-HOP LOOP DETECTED - COMMAND ABORTED  
LOCAL          SERIAL# = symmserial  
FIRST  HOP SERIAL# = symmserial  
SECOND HOP SERIAL# = symmserial  
THIRD  HOP SERIAL# = symmserial
```

Cause

An SRDF Host Component command was issued with an RMT specification, and a hop list was supplied. The hop list was specified such that at least one of the hops referenced a storage system that was touched earlier in the list.

Action

Review your hop list to verify that it ends at the storage system that you intended. If necessary, consolidate your hop list such that each hop does not hop to a storage system that was referenced earlier in the list.

EMCPC15E

```
MULTIPLE RAGRPS FOUND, MUST SPECIFY A RAGROUP
```

Cause

You specified a CUU which is in a cascaded or concurrent setup. Multiple SRDF groups have been found.

Action

Specify an SRDF group and execute the command again.

EMCPC16E

```
GateKeeper is in SoftFenced state
```

Cause

An SRDF Host Component command was issued and the gatekeeper device was in a SoftFence state. The action is not allowed to be issued via a gatekeeper in a SoftFence state.

Action

Re-issue the command specifying a valid and appropriate gatekeeper.

EMCPC21I

```
WAITING ON CNTLUNIT DISPLAY LOCK - SYSTEM BUSY
```

Cause

An SRDF Host Component #SQ command was issued and is waiting to obtain the CTL_LK_CTLRANTY lock. This lock must be obtained by display commands to ensure that the data being displayed is complete and accurate. Obtaining this lock prevents other tasks from updating the information at the same time the display command is reading the data.

This is a status message to let you know the display request is being processed, but is waiting to obtain this lock before the data can be read and displayed.

Action

None.

EMCPC22I

```
UNABLE TO OBTAIN CNTLUNIT DISPLAY LOCK - SYSTEM BUSY. TRY AGAIN  
LATER.
```

Cause

An SRDF Host Component #SQ command was issued and has waited the maximum time allowed for obtaining the CTL_LK_CTLRANTY lock. This lock must be obtained by display commands to ensure that the data being displayed is complete and accurate. Obtaining this lock prevents other tasks from updating the information at the same time the display command is reading the data.

Action

Try issuing the command again later when the system is less busy.

EMCPC52I

```
ERROR, BACK LEVEL SAI VERSION IS nnn
```

Cause

The Symmetrix SAI interface is back level.

Action

Check the install procedures to ensure that Host Component is installed correctly.

EMCPD01I

```
WAITING ON CNTLUNIT DISPLAY LOCK - SYSTEM BUSY
```

Cause

An SRDF Host Component #SQ command was issued and is waiting to obtain the CTL_LK_CTLRANTY lock. This lock must be obtained by display commands to ensure that the data being displayed is complete and accurate. Obtaining this lock prevents other tasks from updating the information at the same time the display command is reading the data.

This is a status message to let you know the display request is being processed, but is waiting to obtain this lock before the data can be read and displayed.

Action

None.

EMCPD02I

```
UNABLE TO OBTAIN CNTLUNIT DISPLAY LOCK - SYSTEM BUSY. TRY AGAIN
LATER.
```

Cause

An SRDF Host Component #SQ command was issued and has waited the maximum time allowed for obtaining the CTL_LK_CTLRANTY lock. This lock must be obtained by display commands to ensure that the data being displayed is complete and accurate. Obtaining this lock prevents other tasks from updating the information at the same time the display command is reading the data.

Action

Try issuing the command again later when the system is less busy.

EMCPD04I

```
ADCOPY CALL FAILED RSN=62 - SOME ADCOPY FUNCTIONS ARE DISABLED FOR
SERIAL# symmserial
```

Cause

SRDF Host Component attempted a discovery operation for the storage system with the displayed serial number. In doing so, it was found that the operating environment level was too low to utilize some adaptive copy features.

This message is issued only once for the listed storage system.

Action

Contact Dell EMC Customer Support to update your operating environment level if required.

EMCPD81E

```
PROCDEVT: R15=xxxxxxxx RC=xxxx RS=xxxx
```

Cause

Error occurred in the Symmetrix API.

Action

When RC=0014 and RS=0051, the device specified in the SRDF Host Component command is not available to the host system. Check to see that the correct device number was specified, and that the device is physically available. Enter a "D U" MVS operator command, and ensure that the device status does not indicate "BOX." Enter a "DEVSERV PATH" MVS operator command to ensure that there is at least one operational path to the device. For any other RC and RS combination, contact the Dell EMC Customer Support Center.

EMCPL0DE

```
STEAL LOCK NOT COMPLETED - LONG TERM LOCK FOR DEVICE symdv#
```

Cause

The indicated cannot be processed because a device external lock is already held on the device and it is designated as a long-term lock.

Action

Wait for the process that is using the device to finish before reissuing the command. The most likely other process is another SRDF Host Component command or a TimeFinder

process.

EMCPLOEE

```
STEAL LOCK NOT COMPLETED - LOCK NOT EXPIRED FOR DEVICE symdv#
```

Cause

The indicated device cannot be processed because a device external lock is already held on the device and it is designated as a short-term lock.

Action

Wait for the process that is using the device to finish before reissuing the command. The most likely other process is another SRDF Host Component command or a TimeFinder process.

EMCPS00I

```
SSID(S): ssss TOTAL DEV(S): tttt SUPPORTED DEV(S): kkkk
```

Cause

This message is issued during SRDF Host Component initialization and after an #SC GLOBAL SSID_REFRESH command. All values are in decimal. *ssss* specifies the number of subsystem IDs found, *tttt* specifies the total number of disk devices found, and *kkkk* specifies the number of devices found in storage systems that support SRDF commands.

Action

None.

EMCPS01I

```
CNTLUNIT AT address FAILED VALIDATION
```

Cause

The CNTLUNIT table ID does not match the internal ID at the address represented by *address*.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCPS02E

```
SSIDTBL AT address FAILED VALIDATION
```

Cause

The SSID table ID does not match the internal ID at the address represented by *address*.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCPS03I

```
SSIDTBL REFRESHED, STATISTICS FOR ADDED DEVICES FOLLOW
```

Cause

The #SC GLOBAL,SSID_REFRESH command was issued.

Action

None.

EMCPU03E

SSIDTBL AT *address* FAILED VALIDATION

Cause

The SSIDTBL table ID does not match the internal ID at the address represented by *address*.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCPU05E

UCB AT *ucb-address* FAILED VALIDATION

Cause

The system has detected that the UCB is not a valid UCB at the address represented by *address*.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCPU06E

SSIDTBL AT *address* AND DEVTABLE AT *address* HAD A DEVICE MISMATCH

Cause

The device number in the SSIDTBL table does not match the corresponding device number in the DEVTABLE table.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCPU07W

YOUR MICROCODE LEVEL IS TOO LOW TO MAKE THE MVS TO SYMMETRIX
DEVICE RELATIONSHIPS

Cause

The system has detected that the device is not a valid device.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCPU08E | EMCPU08W

```
NO SSID(S) FOUND IN THE SSIDTBL FOR symm-serial, NO MVS TO SYM  
RELATIONSHIP
```

Cause

The system cannot find the match for the first SSID in the CNTLUNIT table from the SSID table.

This message is issued with an E suffix when it is issued by a processing command and a W suffix when it is issued during data caching.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCPU09E

Format 1:

```
Device is boxed and forced offline. CUU =ccuu
```

Format 2:

```
Subchannel for this device is unusable. CUU =ccuu
```

Format 3:

```
HOT I/O detected, Device is boxed or not recovered yet. CUU =ccuu
```

Format 4:

```
Device is not connected to a subchannel. CUU =ccuu
```

Format 5:

```
Device has no operational paths. CUU =ccuu
```

Cause

The indicated device with an invalid UCB address was found in the indicated invalid state.

Action

Issue the IBM DEVSERV command to display the device. Take the appropriate action to correct the state of the device and try the command again.

EMCQA01E

```
SQADC CANNOT PROCESS - ADCOPY CALL FAILED RSN=62
```

Cause

An #SQ ADC command was issued, and the ADCOPY got a RS62. The SAICALL RS62 failure only happens on a system running Enginuity 5x67 that does not have either 11184 or 12329 installed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCQA03W

```
ERROR OCCURRED WHILE COLLECTING UCB INFORMATION
```

Cause

An #SQ ADC command was issued, and SRDF Host Component was unable to collect UCB information for the device.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCQA04E

```
NO R1 DEVICES FOUND IN ADAPTIVE COPY MODE
```

Cause

An #SQ ADC command was issued for a storage system that has no source (R1) devices.

Action

Select a storage system that has source (R1) devices for this command.

EMCQA06E

```
NO DEVTABLE FOR CONTROL UNIT
```

Cause

An #SQ ADC command was issued, and an internal logic error occurred in Host Component.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCQA07W

```
TARGET ADDR NOT FOUND, STARTING FROM THE CONTROLLER BASE
```

Cause

An #SQ ADC command was issued, and SRDF Host Component was unable to find the address for the target device.

Action

Ensure that the device is online to MVS, and enter an #SC GLOBAL,SSID_REFRESH command.

EMCQA08I

```
REQUESTED COUNT EXCEEDS NUMBER OF DEVICES IN ADAPTIVE COPY MODE
```

Cause

An #SQ ADC,*cuu,count* command was entered, and the count parameter exceeds the number of volumes in Adaptive Copy mode.

Action

None.

EMCQA10I

```
MVS TO SYM RELATIONSHIP NOT MADE, DEFAULT TO FIRST DEVICE
```

Cause

An #SQ ADC,*cuu* command was issued, and the specified device was offline at SRDF Host Component startup. SRDF Host Component is unable to determine the PowerMax or VMAX device number from the specified CUU.

Action

Ensure that the device is online to MVS, and enter an #SC GLOBAL,SSID_REFRESH command.

EMCQA11E

COMMAND NOT SUPPORTED AT THIS MICROCODE LEVEL, COMMAND ABORTED

Cause

An #SQ ADC,*cuu* command was issued, and the storage system was not at Engenuity 5061 or a later level of the operating environment. The command was aborted.

Action

None.

EMCQD00I

```
SRDF-HC DISPLAY FOR command
SERIAL #: symm-serial MICROCODE LEVEL: level
-----
Serial                |Product ID                |Vendor
-----
      Spindle |Type  | Tech |Speed | GB
-----
drive-serial          drive-vendor-model-ID          vendor
  spindle-id type    tchnlgy speed size
...
END OF DISPLAY          Total disks displayed = count
```

Cause

This message shows the output of the #SQ DISK command. For information on output fields, see the description of the #SQ DISK command in the *SRDF Host Component for z/OS Product Guide*.

Action

None.

EMCQD03E

SQ DISK API error VID=*vid* R15=*r15* RC=*rc* RS=*rs* RCX=*rcx*

Cause

An error occurred while discovering physical disk information.

Action

Retry the command. If the problem persists, save the job log and contact Dell EMC Support for assistance.

EMCQD04E

REQUIRED MICROCODE PATCH NOT APPLIED

Cause

The operating environment patch 102585 is required but missing.

Action

Apply the operating environment patch 102585 and retry.

EMCQG00I

```
SRDF-HC DISPLAY FOR #SQ GLOBAL
```

Cause

An #SQ GLOBAL command was requested.

Action

None. For a complete description of this display, see the #SQ GLOBAL command in the *SRDF Host Component for z/OS Product Guide*.

EMCQL00I

```
SRDF-HC DISPLAY FOR #SQ LINK, text
```

Cause

An #SQ LINK command was entered.

Action

None. For a complete description of this display, see the #SQ LINK command in the *SRDF Host Component for z/OS Product Guide*.

EMCQL01I

```
SRDF-HC EXTENDED DISPLAY FOR #SQ LINK, text
```

Cause

An #SQ LINK command was entered with the E option.

Action

None. For a complete description of this display, see the #SQ LINK command in the *SRDF Host Component for z/OS Product Guide*.

EMCQL03E

```
THERE ARE NO RA DIRECTORS ON THIS CONTROLLER
```

Cause

An #SQ LINK, *cuu* command was issued, but the system is unable to find any RA director number on the storage system.

Action

Issue an #SQ CNFG, *cuu* command to determine if there are any RA directors. If there is, contact the Dell EMC Customer Support Center.

EMCQL04I

```
No matching director found for selected RA group
```

Cause

The #SQ LINK command with the RA option found no matching SRDF directors for the specified SRDF group.

Action

None.

EMCQL06E

```
EMCSAI CALL FAILED, RC=xxxx, RS=xxxx
```

Cause

Error occurred in the Symmetrix API.

Action

When RC=0014 and RS=0051, the device specified in the SRDF Host Component command is not available to the host system. Check to see that the correct device number was specified, and that the device is physically available. Enter a “D U” MVS operator command, and ensure that the device status does not indicate “BOX.” Enter a “DEVSERV PATH” z/OS operator command to ensure that there is at least one operational path to the device. For any other RC and RS combination, contact the Dell EMC Customer Support Center.

EMCQL07E

```
NO LINKS FOUND - STATISTICS UNAVAILABLE
```

Cause

An #SQ LINK,*cuu* command was issued, but the system is unable to find any links on the storage system.

Action

Issue an #SQ CNFG,*cuu* command to determine if there are any RA directors and SRDF groups. If there is, contact the Dell EMC Customer Support Center.

EMCQL09I

```
E and RA( ) options override PORT option
```

Cause

An #SQ LINK command was entered, and the PORT option was specified together with the E or RA(*srdfgrp*) option. The PORT option is ignored.

Action

None.

EMCQM00I

```
THERE ARE NO MESSAGES FOR ANY EMC DEVICE
```

Cause

An #SQ MSG,ALL or #SQ MSG,*count* command was issued where *count* represents the number of messages to display.

Action

None.

EMCQM83I

```
SRDF-HC DISPLAY FOR #SQ MSG, text
```

Cause

An #SQ MSG command was entered.

Action

None. For a complete description of this display, see the #SQ MSG command in the *SRDF Host Component for z/OS Product Guide*.

EMCQM84I

```
DATE TIME CUU DV CT SSID MESSAGE NNNN RCUU
```

Cause

This message is only issued to the HCLOG dataset and is only issued when the MESSAGE_PROCESSING=LOG initialization parameter is specified. This is the logging of the EMC9998W messages so that a permanent record of the EMC9998W message can be retained.

Action

None.

EMCQR00I

```
SRDF-HC DISPLAY FOR #SQ {RDFGRP|SRDFA},text
```

Cause

An #SQ RDFGRP or #SQ SRDFA command was issued.

Action

None. For a complete description of the corresponding command display, see the #SQ RDFGRP or #SQ SRDFA command in the *SRDF Host Component for z/OS Product Guide*.

EMCQR02E

```
QUERY BY RA GROUP - RA GROUP NOT FOUND
```

Cause

An #SQ RDFGRP command with the RA option command was entered, and the specified SRDF group was not found in the storage system referenced by the command.

Action

Issue an #SQ RDFGRP, *cuu* command without the RA parameter. Only issue the command again with an SRDF group that can be seen in the #SQ RDFGRP, *cuu* command display.

EMCQR03E

```
QUERY BY RA GROUP - NO ENDING PARENTHESIS
```

Cause

An #SQ RDFGRP, *cuu*, RA(*srdgrp*) command was requested, and the closing parenthesis “)” was missing.

Action

Issue an #SQ RDFGRP, *cuu*, RA(*srdgrp*) command with the closing parenthesis.

EMCQR04E

```
COMMAND NOT SUPPORTED AT THIS MICROCODE LEVEL, COMMAND ABORTED
```

Cause

A command was issued to a storage system running Enginuity 5x66 or earlier. The command requires a newer level of the operating environment.

Action

Issue an #SQ LINK, *cuu* command.

EMCQR05I

NO DATA AVAILABLE - COMMAND DONE

Cause

An #SQ RDFGRP command was issued, requesting the SRDF group information; however, the storage system cannot currently report on the information. Most likely, all of the links are offline.

Action

Bring the links online and try the command again.

EMCQR06E

```
QUERY FOR SRDF/A - SRDF/A NOT FOUND: message-text  
[VID=cccccccccccc R15=xxxxxxxx RC=xxxx RS=xxxx RCX=xxxxxxxx]
```

Cause

An #SQ SRDFA, #SQ SRDFA_DSE, #SQ SRDFA_VOL, #SQ SRDFA_WP, or #SQ SRDFA_WP_VOL command was issued to a storage system without SRDF/A. If the command was issued for a specific group and SRDF/A is not active for that group, additional text appears with this message.

The message displays API error diagnostic information on the second line. If the message is not a result of an API error, the second line is displayed as a blank.

The *message-text* displays the corresponding error text string:

- ALL DIRECTORS FOR SPECIFIED GROUP OFFLINE - All links in the group are either offline or disconnected. If the links are online on the local side, they may be offline on the remote side. This may also indicate a physical disconnection on the links.
- GROUP SPECIFIED IS NOT DEFINED - The requested group is not defined.
- GROUP SPECIFIED IS OFFLINE - The requested group is offline.
- IGRP(ALL) UNKNOWN SIDE: CYCLE# N/A CYCLE TOD UNAVAILABLE < 5773 - The side to which the command was issued is below Enginuity 5773.
- IGRP(nn) *** ERROR RETRIEVING SRDF/A INFORMATION *** - An I/O error occurred while trying to retrieve information about SRDF/A. Check that the links supported by the group are available and that the group is online. Try the command.
- IGRP(nn) PRIMARY SIDE: CYCLE# N/A CYCLE TOD UNAVAILABLE ON PRIMARY - The command was issued to the primary side and the cycle TOD is not available on the primary side.
- IGRP(nn) SECONDARY SIDE: CYCLE# <#> CYCLE TOD mm/dd/yyyy hh:mm:ss - This message indicates the command was issued to the secondary side and the primary side was at Enginuity 5773 or a later level of the operating environment. The reported CYCLE# is the last cycle that was completed at the date and time indicated in the message.
- IGRP(nn) SECONDARY SIDE: CYCLE# N/A CYCLE TOD (UNAVAILABLE R1<5773) - The command was issued to the secondary side and the cycle TOD is unavailable because the primary side is below Enginuity 5773.
- IGRP(nn) SECONDARY SIDE: CYCLE# N/A CYCLE TOD UNAVAILABLE < 5773 - The command was issued to the secondary side and the cycle TOD is unavailable because the secondary side is below Enginuity 5773.
- IGRP(nn) UNKNOWN SIDE: CYCLE# N/A CYCLE TOD =0 (UNAVAILABLE) -

The cycle age is zero.

- IGRP(*nn*) UNKNOWN SIDE: CYCLE# N/A CYCLE TOD =-1 (UNAVAILABLE) -
The cycle age is -1.
- IGRP(*nn*) UNKNOWN SIDE: CYCLE# N/A CYCLE TOD UNAVAILABLE < 5773
- The group is inactive and the side to which the command was issued is below
Engenuity 5773.

Action

See above.

EMCQR07E

```
QUERY FOR SRDFA_DSE - DATA NOT FOUND
```

Cause

An #SQ SRDFA_DSE command has been issued, but no DSE data has been found.

Action

Verify that the operating environment level of the storage system supports DSE.

EMCQR08E

```
FAILURE RETRIEVING POOLS - RC = rc
```

Cause

An #SQ SRDFA command has been issued and the retrieval of the pools failed for return code *rc*.

Action

Verify the ResourcePak Base level supports the level of SRDF Host Component.

EMCQR09E

```
NOT ABLE TO LOCATE POOL INDEX = iiii
```

Cause

While attempting to display the pool names for an #SQ SRDFA_DSE command, an index of the pool name *iiii* is not defined.

Action

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

EMCQR11I

```
No RDF groups found matching specified LABEL mask
```

Cause

An #SQ RDFGRP command was issued with the LABEL keyword parameter which specifies a mask used to select the SRDF groups whose information is to be listed. However, no SRDF groups were found with labels matching the mask.

Action

None.

EMCQR12I

```
NO VALID RDF GROUPS FOUND
```

Cause

An #SQ RDFGRP command was entered and there are no valid SRDF groups on the storage system.

Action

None required. SRDF groups can be added using the #SC RDFGRP command.

EMCQR13I

```
No RDF groups found matching specified serial/mask
```

Cause

An #SQ RDFGRP command was entered specifying the RSER parameter to request that all groups matching the serial number or mask be displayed.

Action

Check that the correct serial number or mask and the gatekeeper was specified.

EMCQR15I

```
No offline RDF groups found
```

Cause

An #SQ RDFGRP command was entered requesting that all offline groups be displayed and there are no offline SRDF groups in the storage system.

Action

None.

EMCQR16I

```
No matching RDF groups found for the selected director
```

Cause

The #SQ RDFGRP command with the DIR parameter found no matching SRDF groups for the specified director.

Action

None.

EMCQS01I

```
NO SSIDS FOUND
```

Cause

An #SQ SSID command was entered, and no SSIDs were found.

Action

Check your system configuration, and the SRDF Host Component initialization parameters for incorrect EXCLUDE_DEVICE_RANGE statements.

EMCQS81I

```
SRDF-HC DISPLAY FOR #SQ SSID, text
```

Cause

An #SQ SSID command was issued.

Action

None. For a complete description of this display, see the #SQ SSID command in the *SRDF Host Component for z/OS Product Guide*.

EMCQT00I

```
SRDF-HC DISPLAY FOR SQ DSTAT, text
```

Cause

An #SQ DSTAT command was entered. This is the header line for the display.

Action

None.

EMCQT01I

```
NO ELIGIBLE DIRECTORS FOUND
```

Cause

An #SQ DSTAT command was requested, but no director statistics were returned.

Action

Issue an #SQ CNFG command to determine the operating environment level and the director configuration.

EMCQT02I

```
REQUESTED DIRECTOR NOT FOUND
```

Cause

An #SQ DSTAT command was requested for a specific director number, but the specified director was not found.

Action

Issue an #SQ CNFG command to determine the operating environment level and the director configuration.

EMCQT03E

```
UNABLE TO OBTAIN STORAGE TO COMPLETE REQUEST
```

Cause

An #SQ DSTAT command was requested, but there was not enough private region to satisfy the request.

Action

Check the region for the SRDF Host Component address space and increase if necessary.

EMCQT04E

```
HOST COMPONENT NOT ACCEPTING REQUESTS
```

Cause

An #SQ DSTAT command was requested, but SRDF Host Component is not accepting commands.

Action

Check the SRDF Host Component log to see if a #STOP command is in process, or if SRDF Host Component is still initializing.

EMCQT05E

```
UNABLE TO FIND UCB
```

Cause

An #SQ DSTAT command was requested, but SRDF Host Component was unable to find a suitable device to direct I/O.

Action

Check to see if any devices are online for the storage system.

EMCQT06E

```
BAD RDF GROUP OR MULTIHOP LIST SPECIFIED
```

Cause

A remote #SQ DSTAT command was requested, but the SRDF group or multihop list was bad.

Action

Check the command to see if the SRDF groups specified are valid. If a multihop list was specified, make sure that the list does not cause a multihop loopback (hop back on the same link).

EMCQV00I

```
SRDF-HC DISPLAY FOR #SQ VOL, text
```

Cause

An #SQ VOL command was entered.

Action

None. For a complete description of this display, see the #SQ VOL command in the *SRDF Host Component for z/OS Product Guide*.

EMCQV01I

```
SRDF-HC DISPLAY FOR (x) #SQ STATE, text
```

Cause

An #SQ STATE command was issued.

Action

None.

EMCQV03W

```
ERROR OCCURRED WHILE COLLECTING UCB INFORMATION
```

Cause

An error occurred during the processing of the #SQ VOL,*cuu,count* command while the system was collecting UCB information.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

EMCQV04E

```
STARTING VOLSER=volser NOT FOUND FOR CONTROLLER=symmserial
```

Cause

One of the following conditions exists:

- An #SQ VOL, #SQ MIRROR, or #SQ RAID command was issued with the starting device number option.
- SORT_BY_VOLSER has been specified, but there are no relevant volsers for a starting device.
- The specified volser is out of the range of defined volsers for the storage system. *volser* is the starting volser used or a volser mask. *symmserial* is the serial number of the storage system to which this command was directed.

Action

Issue an #SQ VOL command to determine the valid device number range for the storage system and determine the valid volsers. Resubmit the command.

EMCQV05E

```
STARTING MVSCUU=cuu NOT FOUND FOR CONTROLLER=symmserial
```

Cause

One of the following conditions exists:

- An #SQ VOL, #SQ MIRROR, or #SQ RAID command was issued with the starting device number option.
- SORT_BY_MVSCUU has been specified, but there are no relevant CUUs for a starting device number.
- The specified number is out of the range of defined CUU numbers for the storage system.

Action

Issue an #SQ VOL command to determine the valid device number range for the storage system and determine the valid CUUs. Resubmit the command.

EMCQV06E

```
NO DEVTABLE FOR CONTROL UNIT
```

Cause

An #SQ VOL,*cuu,count* command was issued. The address of the DEVTABLE table was not found.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

EMCQV07W

```
TARGET ADDRESS NOT FOUND, STARTING FROM CONTROLLER BASE
```

Cause

An #SQ VOL,*cuu,count* command was issued. The system is unable to find the CUU in the DEVTABLE table.

Action

None.

EMCQV08I

NUMBER OF REQUESTED VOLUMES EXCEEDS CONTROL UNIT BOUNDARY

Cause

An #SQ command was issued with count parameters. The count exceeds the number of volumes in the storage system, or there is a gap in the range of device numbers to be displayed due to the presence of devices which are not defined to the system or are in the SCF exclude list.

Action

None.

EMCQV09E

STARTING DEVICE NUMBER EXCEEDS CONTROL UNIT BOUNDARY

Cause

One of the following conditions exists:

- An #SQ VOL, #SQ MIRROR, or #SQ RAID command was issued with the starting device number option.
- SORT_BY_VOLSER has been specified, but there are no relevant volsers for starting device number.
- The specified number is out of the range of defined device numbers for the storage system.

Action

Issue an #SQ VOL command to determine the valid device number range for the storage system or if SORT_BY_VOLSER has been specified, determine the valid volsers. Resubmit the command.

EMCQV0AI

The high device number on the Symmetrix is *symdv#*

Cause

This message follows message EMCQV09E to report the high device number on the storage system.

Action

None.

EMCQV10I

MVS TO SYM RELATIONSHIP NOT MADE, DEFAULT TO FIRST DEVICE

Cause

An #SQ VOL,*cuu,count* command was issued. During the processing of this command, the system is unable to determine the PowerMax or VMAX device because the device is offline during subsystem initialization and (or) during the #SC GLOBAL,SSID_REFRESH command.

Action

None.

EMCQV12E

NO DEVICES FOUND WITH INVALID TRACKS

Cause

An #SQ command was issued with the INV_TRK filter, but no devices with invalid tracks

were found in the specified range.

Action

None.

EMCQV15I

```
SRDF-HC DISPLAY FOR #SQ MIRROR, text
```

Cause

This message is issued in response to an #SQ MIRROR command.

Action

None.

EMCQV17I

```
SRDF-HC DISPLAY FOR #SQ RAID, text
```

Cause

This message is issued in response to an #SQ RAID command.

Action

None.

EMCQV18I

```
SRDF-HC DISPLAY FOR #SQ RAID10, text
```

Cause

This message is written in response to an #SQ RAID10 command.

Action

None.

EMCQV19I

```
SRDF-HC DISPLAY FOR #SQ RAID5, text
```

Cause

This message is issued in response to an #SQ RAID5 command.

Action

None.

EMCQV20I

```
SRDF-HC DISPLAY FOR #SQ RAID6, text
```

Cause

This message is issued in response to an #SQ RAID6 command.

Action

None.

EMCQV21E

```
NO RAID GROUPS FOUND
```

Cause

An #SQ RAID type command was issued, and there are no RAID groups of the requested type in the specified storage system.

Action

Issue an #SQ VOL or #SQ MIRROR command for this storage system, or choose another storage system for the #SQ RAID type command.

EMCQV22I

```
REQUESTED DEVICE IS BEYOND RAID GROUPS, STARTING FROM FIRST RAID  
DEVICE
```

Cause

An #SQ RAID command was issued with the starting-device-number option, and the specified device number is beyond the RAID groups.

Action

The display begins with the first RAID group.

EMCQV23E

```
REQUESTED QUERY NOT SUPPORTED AT THIS MICROCODE LEVEL
```

Cause

An #SQ RAID type or #SQ MIRRORS command was issued, and the specified storage system does not support the function.

RAID-S is supported at Enginuity 5x64 to 5670, RAID5 is supported at Enginuity 5670 to 5876, and RAID6 is supported at Enginuity 5772 to 5876.

Action

The request is aborted.

EMCQV24I

```
NO CONSISTENCY GROUP DEVICES FOUND
```

Cause

An #SQ VOL,*cuu*,CGROUP command was entered, and no devices are in consistency groups.

Action

Verify that the *cuu* was specified correctly. Ensure that the Dell EMC Consistency Group address space is active, and that the requested consistency groups are defined properly.

EMCQV25E

```
NO RAID10 DEVICES FOUND
```

Cause

An #SQ RAID10 command was issued to a storage system that does not contain any RAID10 devices.

Action

None.

EMCQV26E

```
Symmetrix symmserial is at ucode level level
```

Cause

A previous error message has indicated that a command failed because the operating environment level of a storage system was invalid for the command. This message indicates the storage system on which the condition was detected and its operating

environment level.

Action

None.

EMCQV30E

```
QUERY BY VOL FOR SRDF/A REQUESTED - SRDF/A NOT FOUND
```

Cause

An #SQ SRDFA_VOL command was issued to a storage system without SRDF/A.

Action

None.

EMCQV31I

```
SRDF-HC DISPLAY FOR (x) #SQ SRDFA_VOL, text
```

Cause

An #SQ SRDFA_VOL command was issued with the indicated command options.

Action

None.

EMCQV33I

```
SRDF-HC Invalid Track Counts by RDF Group
RDF Group      Devices      R1 INVTRK      R2 INVTRK
type           count        count          count
```

Cause

An #SQ VOL command specifying the INV_TRKS state filter has been issued. Message EMCQV33I is appended to the normal #SQ VOL output. See the *SRDF Host Component for z/OS Product Guide* for a description of information shown in message EMCQV33I.

Action

None.

EMCQV34I

```
message-text
```

Cause

This multi-line display is the result of the user issuing an #SQ VOL command. See the description of the #SQ VOL command in the *SRDF Host Component for z/OS Product Guide*.

Action

None.

EMCQV40I

```
SRDF-HC DISPLAY FOR (x) #SQ SRDFA_VOL, text
```

Cause

An #SQ SRDFA_VOL command was issued with the indicated command options.

Action

None.

EMCQV41I

```
SRDF-HC DISPLAY FOR (xx) #SQ EPVOL, text
```

Cause

An #SQ EPVOL command was issued. The result is a display of externally provisioned devices.

Action

None.

EMCQV80I

```
No devices found in symmserial matching SELECT parameter
```

Cause

A command was issued with a SELECT parameter and a specified filter expression and no devices matching the expression were found.

Action

None.

EMCQV90I

```
NO DEVICES FOUND WITH A STATE OF nnn
```

Cause

A command was issued with a specified state parameter, and the requested state was not found. The *SRDF Host Component for z/OS Product Guide* describes the state filter values that may be used.

Action

Depending on what is being requested, there may or may not be any action. The message informs you know that the state was searched for but not located.

EMCQV91E

```
QUERY BY RA GROUP - RA GROUP NOT FOUND
```

Cause

A command was issued with a specified state parameter, and the requested state SRDF group was not found.

Action

Depending on what is being requested, there may or may not be any action. The message informs you that the state was searched for but not located.

EMCQV92E

```
QUERY BY RA GROUP - NO ENDING PARENTHESIS
```

Cause

A command was issued with a specified state parameter, and the requested state RA(*srdfgrp*) ending parenthesis “)” was missing.

Action

Add the ending parenthesis to the RA(*srdfgrp*).

EMCQV93E

```
No eligible devices found in RDF group srdfgrp
```

Cause

A command was issued specified that only devices in the SRDF group were to be considered for processing. However, no devices were found in this SRDF group, so command processing could not continue.

Action

Determine whether or not this result indicates that a device, storage system or group is in an undesirable state. If so, correct the problem and reissue the command.

EMCQV93I

```
No eligible devices found in RDF group srdfgrp  
SERIAL #: symm-seriakl/gk MICROCODE: level
```

Cause

A command was issued specified that only devices in SRDF group *srdfgrp* were to be considered for processing. However, no devices were found in this SRDF group, so command processing could not continue.

SERIAL # and MICROCODE are displayed when the SRDF group contains no devices.

Action

Determine whether or not this result indicates that a device, storage system or group is in an undesirable state. If so, correct the problem and reissue the command.

EMCQV94E

```
No R21 devices prior to 5x73, but control unit ucode level is  
level
```

Cause

An #SQ VOL command was issued with device state filter R21. However, the operating environment level of the storage system whose devices are being queried is earlier than 5x73, and R21 devices are supported only at Enginuity 5x73 and later levels of the operating environment.

Action

None.

EMCQV96I

```
No devices found in symmserial matching filter filter
```

Cause

An SRDF Host Component query command was issued with a specified device filter, and no devices matching the filter were found. See the *SRDF Host Component for z/OS Product Guide* for device filter values.

Action

None.

EMCQV97E

```
Unrecognized filter text
```

Cause

An #SQ VOL, #SQ STATE, or #SQ MIRROR command was issued with a specified state-filter parameter, and the requested state-filter was not found. The *SRDF Host Component for z/OS Product Guide* describes the state-filter values that may be used.

Action

Verify that the state-filter name was spelled correctly and resubmit the command.

EMCQV98E

```
Neither device count nor filter specified
```

Cause

A SQ command was issued with an incorrect format of a device count or filter. The *SRDF Host Component for z/OS Product Guide* describes the state-filter values and device count format that may be used.

Action

Verify that the command has a device count or filter specified correctly and resubmit the command.

EMCQV9AI

```
No online devices found matching volser/mask
```

Cause

An SQ command was issued with location information specified via the VOL keyword parameter. This parameter specifies a volser or mask used to select devices. The command then applies to each storage system on which at least one of the selected devices reside. However, no matching volser was found, so no applicable storage system could be determined. The command was therefore not processed.

Action

Correct the volser or mask, or specify the location information for the command in a different way, such as via a gatekeeper or a defined, SCF, or SMS group. Reissue the command.

EMCQV9BI

```
No devices found with non-zero pacing statistics
```

Cause

An #SQ SRDFA_WP_VOL command was issued to a storage system without any devices with non-zero pacing statistics.

Action

None.

EMCQV9CI

```
NO ELIGIBLE DEVICES FOUND
```

Cause

An SQ command was entered and no volumes were found that matched the selection criteria.

Action

Verify that the command was issues to the correct gatekeeper. If necessary, re-enter the command with the correct selection criteria.

EMCQV9DE

```
THIS STATEFILTER NOT SUPPORTED AT THIS MICROCODE LEVEL
```

Cause

An #SQ command with RAID type filter was issued, and the specified storage system does

not support the filter.

Action

If the command was issued improperly, correct and submit the command again. If the command was correct, however, find an alternative way to accomplish the goal of the issued command. If necessary, contact Dell EMC Technical Support.

EMCQV9EW

```
One or more devices exceed x'FFFF', the device field will be truncated
```

Cause

#SQ VOL or #SQ STATE was specified with 4BYTE_OFF. One or more of the displayed device numbers is larger than FFFF. The device field contains a truncated number.

Action

Use 4BYTE_ON to display device numbers larger than FFFF.

EMCQV9FE

```
Request to box failed. RC=rc
```

Cause

This is an internal error indicating that SRDF Host Component has failed to request environment information from the storage system.

Action

Check connection to the gatekeeper device you use. The gatekeeper device should be online.

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCQW00I

```
SRDF-HC DISPLAY FOR (nnn) command
```

Cause

This message displays output of the #SQ VIEWRA command. The *SRDF Host Component for z/OS Product Guide* describes the #SQ VIEWRA command and its output.

Action

None.

EMCQW01I

```
NO ELIGIBLE PORTS AND DIRECTORS FOUND FOR THE SPECIFIED RSER:  
symmserial
```

Cause

An #SQ VIEWRA command was issued with the RSER parameter but no eligible ports and directors were found for the specified remote serial number.

Action

None.

EMCRS00E

```
RESET HOST SCRATCH AREA REQUEST ABORTED RSN= xx
```

Cause

A RESET_HOST_SCRATCH command was issued, but the command failed. The RSN indicates the reason for the failure.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCRS01I

```
RESET HOST SCRATCH AREA COMPLETED SUCCESSFULLY
```

Cause

A RESET_HOST_SCRATCH command was issued, and the command completed successfully.

Action

None.

EMCRS02E

```
RESET HOST SCRATCH AREA FAILED FC01 SAIRC=
```

Cause

A RESET_HOST_SCRATCH command was issued, and the FC01 to check the device failed. This message lists the specific reason.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCRS03E

```
RESET HOST SCRATCH AREA FAILED CNFG SAIRC=
```

Cause

A RESET_HOST_SCRATCH command was issued, and the CNFG_GLOBAL to check the device failed. This message lists the specific reason.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCRS04R

```
RESET HOST SCRATCH AREA FOR VOL=volser CAN CAUSE DATA LOSS -  
CONTINUE OR CANCEL?
```

Cause

A RESET_HOST_SCRATCH command has been issued for the indicated volume.

Action

Respond CONTINUE to do the RESET_HOST_SCRATCH, or CANCEL to terminate.

EMCRS05R

```
RESET HOST SCRATCH AREA FOR DEVICE=dev# CAN CAUSE DATA LOSS -  
CONTINUE OR CANCEL?
```

Cause

A RESET_HOST_SCRATCH command has been issued to device *dev*#.

Action

Respond CONTINUE to do the RESET_HOST_SCRATCH, or CANCEL to terminate.

EMCRS06R

```
RESET HOST SCRATCH AREA REMOTE FOR DEVICE=dev# USING RAG xx CAN  
CAUSE DATA LOSS - CONTINUE OR CANCEL?
```

Cause

A RESET_HOST_SCRATCH was requested for the device found remotely on SRDF group *xx*.

Action

Respond CONTINUE to do the RESET_HOST_SCRATCH, or CANCEL to terminate.

EMCRX01I - EMCRX15I

```
Beginning Recovery for: cuu r1-srdfgrp r2-srdfgrp xxxxxx {Y|N}  
C=prefixM=mscgrp SSN=symmserial
```

Cause

The recovery procedure will begin using the specified parameters. Where:

- *cuu* is the gatekeeper used for this SRDF group (a z/OS device number).
- *r1-srdfgrp* is the R1 SRDF group.
- *r2-srdfgrp* is the R2 SRDF group.
- *xxxxxx* is the invalid track count threshold at which SRDF/A will be activated.
- *Y* or *N* indicates the status of the ME switch. When set to *Y*, this indicates to run the ME utility (ME is only run once; it is the first recovery action).
- *C* indicates the SRDF Host Component command prefix.
- *M* indicates the MSC group name that recovery is processing.
- *SSN* indicates the serial number of the storage system for this R1 SRDF group.

Action

None.

EMCRX80I

```
Recovery Process Execution
```

Cause

The recovery procedure has been initiated.

Action

If a prompt for execution was specified, then EMCRX95R will be issued. Otherwise no action is required.

EMCRX81I

EHCMSCME Process complete, MSC Recovery Ending

Cause

The MSC recovery process is complete.

Action

None.

EMCRX83I

EHCXMSCB Function Complete

Cause

The MSC BCV SPLIT or ESTABLISH operation is complete.

Action

None.

EMCRX84E

Recovery Halted, The required function 10 device object was not returned.

Cause

REXX object 10 has not returned any objects. It is a severe error and autorecovery will end.

Action

Determine the cause of the failure. Take any necessary manual steps necessary before restarting the recovery procedure.

EMCRX85E

Recovery Halted, The required function 14 group objects were not returned.

Cause

REXX object 14 has not returned any objects. It is a severe error and autorecovery will end.

Action

Determine the cause of the failure. Take any necessary manual steps necessary before restarting the recovery procedure.

EMCRX86E

message-text

Cause

EMCSRDFR returned the specified error.

Action

Depending on the returned error, you may be able to continue. EMCRX95R will accompany this message. Reply CONTInue or CANcel.

EMCRX87E

Recovery Failed for: *cuu r1-srdfgrp r2-srdfgrp xxxxxx {Y|N}*
C=prefix M=mscgrp SSN=symmserial

or

Recovery Failed for: MSG_TEXT STCUSER

Cause

The recovery process failed for the SRDF group with the specified parameters. Where:

- *cuu* is the gatekeeper used for this SRDF group (a z/OS device number).
- *r1-srdfgrp* is the R1 SRDF group.
- *r2-srdfgrp* is the R2 SRDF group.
- *xxxxxx* is the invalid track count threshold at which SRDF/A will be activated.
- *Y* or *N* indicates the status of the ME switch. When set to *Y*, this indicates to run the ME utility (ME is only run once; it is the first recovery action).
- *C* indicates the SRDF Host Component command prefix.
- *M* indicates the MSC group name that recovery is processing.
- *SSN* indicates the serial number of the storage system for this R1 SRDF group.

Alternately, a text message indicating the type of error encounter may be reported.

Action

None.

EMCRX88E

```
Director count less than Policy minimum.
```

Cause

The director count is less than the policy minimum.

Action

EMCRX95R will accompany this message. Reply CONTInue or CANcel.

EMCRX89E

```
Retries exhausted, ME Process Failed
```

Cause

The allowable number of retries has been exhausted.

Action

EMCRX95R will accompany this message. Reply CONTInue or CANcel.

EMCRX90E

```
Call to EHCPCOPY failed with RC=yyyy
```

Cause

The call to EHCPCOPY failed with the abend code S###.

Action

Determine the cause of the failure. Take any necessary manual intervention before restarting the recovery procedure.

EMCRX91E

```
Gold Copy Not Created! - RC=yy
```

Cause

The gold copy of the data could not be created. *yy* indicates the return code from module EHCPCOPY. Possible causes are:

- 04 - The data is not consistent.
- 05 - BCV relationship does not exist. Be sure the device is paired with a BCV.
- 08 - A syscall or an API error has occurred.

Action

Do not attempt to create another gold copy or data could be lost. Determine the cause of the error and take any manual steps necessary.

EMCRX92E

```
Error in BCV process (EHCGCOPY) RC=yy
```

Cause

The gold copy BCV process failed.

Action

Determine the cause of the error and take any manual steps necessary.

EMCRX93E

```
Call to EMCSRDFR failed with RC=xxxx
```

Cause

The call to EMCSRDFR failed with the indicated return code:

- 0 - Success.
- 4 - Command complete.
- 8 - Command not complete.
- 12 - Command not found.
- 16 - Max commands queued.
- 20 - SRDF Host Component not accepting commands.
- 24 - Unable to locate SRDF Host Component subsystem command prefix. Check that this subsystem is running.
- 28 - Bad function code passed.
- 32 - Invalid starting device.
- 36 - Unable to initiate cross memory interface.
- 40 - Unable to terminate cross memory interface.
- 44 - Getmain failed.
- 48 - Requested object failed validation.
- 52 - I/O error (API error).
- 56 - Abend occurred in cross memory.
- 58 - Build variable object error.
- 60 - Request to queue command failed.
- 64 - Requested storage system is below minimum operating environment level.
- 65 - No links available.
- 68 - Unable to locate UCB.
- 69 - Selected storage system has invalid value.
- 70 - Null variable.
- 71 - Variable does not exist.
- 72 - Unexpected condition.
- 76 - SCF Not Found (Server Address Space).
- 80 - EMCSRDF_COMMAND is equal to null or blank.
- 81 - The object compatibility variable is invalid.
- 84 - Version error.
- 88 - Bad RDFGRP passed.
- 92 - Command waiting to be verified.
- 96 - The UCB check for this device has failed.
- 100 - The SRDF group specified was not found.
- 104 - The SRDF group specified is invalid.
- 105 - DRDF parse error.
- 108 - Storage system not found.
- 109 - The remote storage system was not found.
- 110 - SSIDTBL address is 0.

111 - SSIDTBL eyecatch is invalid.
 112 - Discover command timed out.
 113 - CNTL eyecatch is invalid.
 114 - SSID not found in any storage system.
 115 - No storage systems were found.
 116 - Bad command timeout specified.
 120 - Error retrieving the REXX variables.
 124 - Error setting the REXX variables.
 125 - Out of memory during SET VAR.
 128 - Error validating the REXX environment.
 132 - Command parse error. See EMCSRDF_DRDFRS for the reason code.
 EMCSRDF_DRDFRTN_MESSAGE will contain the message text.
 136 - Access denied.
 140 - Invalid command length.
 144 - DRDF failed to change the SRDF relationship. See EMCSRDF_DRDFRS for the reason code. EMCSRDF_DRDFRTN_MESSAGE will contain the message text.
 148 - DRDF Symmetrix commands to sync SRDF pairs failed. See EMCSRDF_DRDFRS for the reason code. EMCSRDF_DRDFRTN_MESSAGE will contain the message text.
 152 - DRDF API error. See EMCSRDF_DRDFRS for the reason code. EMCSRDF_DRDFRTN_MESSAGE will contain the message text.
 156 - MVS device number not specified.
 160 - Remote request not allowed.
 164 - SCF maintenance level too low.
 168 - CREATEPAIR NOCOPY flag prohibited by initialization parameters.
 172 - Unknown error code.
 176 - UCB/VOLSER/CUU not found.
 180 - SCF not ready (in discovery).
 184 - SCF not available.
 188 - Device table locked - retry.
 192 - PC routine abend.
 193 - PC call to EMPCPR01 failed.
 194 - PC FAILED BEFORE ARR SETUP
 195 - Soft-fenced device passed
 196 - Invalid action, FBA Enabled

Applications using EMCSRDFR may receive return code 176 instead of return code 108. Return code 108 is returned by the invoked PC routine. Since the error is detected earlier, EMCSRDFR will not call the PC routine and return code 176 will be returned.

Action

Determine the cause of the failure based on the return code. Take any necessary manual steps necessary before restarting the recovery procedure. The REXX reference in the *SRDF Host Component for z/OS Product Guide* provides additional information regarding these return codes.

EMCRX94E

A link is Down, Processing Terminating.

Cause

A link is down; processing has terminated.

Action

Determine the cause of the failure. Take any necessary manual steps necessary before restarting the recovery procedure

EMCRX95R

Reply CONTInue, RETry or CANcel

or

variable_text - reply CONTInue, RETry or CANcel

Cause

A condition exists that requires a response.

Action

Reply CONTInue, RETry or CANcel.

EMCRX96E

Invalid Policy Switch Value - Ending Process

Cause

The policy switch did not indicate one of the following: Split, Establish, or No BCV Management.

Action

Correct the value, determine and take any manual steps necessary before restarting the procedure.

EMCRX97E

Execution of Autofix Exec xxxxxxxx failed with RC=yy

Cause

The indicated exec failed with the abend code S###.

Action

Determine the cause of the failure. Take any necessary manual intervention before restarting the recovery procedure.

EMCRX98E

Recovery Halted, Sync Direction R1>R2 is required.

Cause

Invalid sync direction.

Action

This recovery procedure requires a sync direction of R1>R2. Take any necessary manual intervention before restarting the recovery procedure.

EMCRX99E

Recovery Cancelled by Operator

Cause

The recovery procedure was cancelled by operator request.

Action

None.

EMCRX99W

BCV Processing bypassed due to user request

Cause

EHCXGLDX has determined that BCV processing was not requested and will be bypassed.

Action

None.

EMCSA00E

RCVT at *address* failed validation

Cause

The RCVT ID does not match the internal ID.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCSA01E

UNKNOWN ACCESS TYPE

Cause

A SAF check is being prepared, and the access type is not Read or Write.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCSA02E

UNABLE TO LOCATE UCME

Cause

The SECURITY_QUERY=SAF and SECURITY_CONFIG=SAF have been specified in the SRDF initialization parameter file, and either an #SQ or #SC command was issued on a non-operator console.

Action

Find an operator console that has Multiple Console Support (MCS), and then perform a logon at the console.

EMCSA03E

LOGON IS REQUIRED FOR SAF VALIDATION

Cause

The Unit Control Module (UCM) control block does not have an address of the Accessor Environment Element control block for the user who has logged onto the terminal.

Action

Find an operator console that has Multiple Console Support (MCS), and then log on at the console.

EMCSA04E

ACEE AT *address* FAILED VALIDATION

Cause

The ACEE ID is invalid.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for

applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCSA05I

```
UNABLE TO VALIDATE ACCESS, EITHER SECURITY SYSTEM IS NOT ACTIVE,  
OR RESOURCE NOT DEFINED
```

Cause

Due to the security, the system is not active or resource not defined.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

EMCSA06I

```
ACCESS DENIED
```

Cause

This message is always displayed along with the previous EMCSAxxx messages that relate to SAF security.

Action

None.

EMCSC02R

```
SETTING ADAPTIVE COPY MAX SKEW, REPLY CONTINUE TO PROCEED OR  
CANCEL TO TERMINATE
```

Cause

An #SC CNFG,*cuu*,ADCOPY_MAX_SKEW,*value* command was issued.

Action

Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCSC03R

```
SETTING ADAPTIVE COPY GLOBAL RATE, REPLY CONTINUE TO PROCEED OR  
CANCEL TO TERMINATE
```

Cause

An #SC CNFG,*cuu*,ADCOPY_GLOBAL_RATE command was entered.

Action

Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCSC04R

```
SC COMMAND THAT REQUIRES VERIFICATION, REPLY CONTINUE TO PROCEED  
OR CANCEL TO TERMINATE
```

Cause

An #SC command was entered and requires operator verification.

Action

Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCSI01E

```
LOAD FAILED FOR SRDFSSM, LOAD RETURN CODE code
```

Cause

The system could not find the SRDFSSM load module in the APF library.

Action

Check the APF library to make certain that the load module exists.

1. If an #SC GLOBAL SSID_REFRESH command is running, wait for the completion of the command.
2. Check if any outstanding REPLY. If there is, reply either CONTINUE or CANCEL.
3. Retry the command.

EMCSI03I

```
SUBSYSTEM LOADED
```

Cause

The subsystem has been loaded successfully.

Action

None.

EMCSQV01

```
SRDF-HC DISPLAY FOR #SQ STATE, text
```

Cause

An #SQ STATE command was entered.

Action

None. For a complete description of this display, see the #SQ STATE command in the *SRDF Host Component for z/OS Product Guide*.

EMCSR01E

```
ERROR in EXECUTION PARAMETERS
```

Cause

For a batch utility execution, PARM= was specified on an EXEC JCL statement and the parameters supplied were not correct.

Action

Review the parameters on the EXEC JCL statement and correct any errors.

EMCSR02E

```
OPEN FAILED FOR DDNAME SYSIN
```

Cause

The batch interface (EMCSRDF) was unable to open the SYSIN stream.

Action

Check that a valid SYSIN DD statement was supplied.

EMCSR04I

READING COMMANDS FROM SYSIN

Cause

This message is issued from the EMCSRDF batch interface. It indicates that the batch program has begun reading SRDF Host Component commands from the SYSIN DD.

Action

None.

EMCSR05E

QUIT SWITCH SET, FLUSHING INPUT FILE

Cause

While reading commands through the batch interface, an error occurred that necessitated termination of the input stream.

Action

All subsequent commands in the input stream are flushed. Examine the SYSPRINT output stream for other messages that may indicate the reason for the termination of batch processing. Correct the error and resubmit the batch job.

EMCSR06E

SYSIN RECORD LENGTH TOO LONG

Cause

EMCSRDF SYSIN LRECL exceeds 128 bytes, which is not allowed.

Action

Correct the error and retry.

EMCSR10E

UNABLE TO LOCATE REQUESTED SUBSYSTEM

Cause

A command was entered to the batch interface, but the supplied command prefix does not match an active SRDF Host Component subsystem.

Action

Ensure that SRDF Host Component is running, and that the correct command prefix was supplied.

EMCSR11E

**** COMMAND FAILED **** REMAINING COMMANDS WILL BE FLUSHED

Cause

A command failed that was submitted through the batch interface.

Action

All subsequent commands are flushed. Correct the failing command, and submit the batch program again.

EMCSR12E

COMMAND LOCATE FAILED, RC = xxxxxxxx

Cause

A command was submitted successfully from the batch interface, but when an attempt

was made to check for command completion to retrieve the command output, the command was not found.

Action

Check that SRDF Host Component is still active. Look for additional messages in the SRDF Host Component log.

EMCSR13E

COMMAND MUST START IN OR BEFORE COLUMN 50

Cause

A command was entered through the batch interface and a record found in the SYSIN stream had blanks in columns 1 through 50.

Action

The batch interface requires that commands entered in the SYSIN stream start within the first 50 columns. Fix the record in error and resubmit the batch job.

EMCSR14E

CONTINUATION ERROR

Cause

A command failed that was submitted through the batch interface using the continuation character.

Action

Verify that the line with the continuation and the line following it is valid, and resubmit the batch program.

EMCSR15E

COMMAND TOO LONG

Cause

A command that was submitted through the batch interface failed because it exceeded the 256 byte limit.

Action

Correct the command, making sure it does not exceed the maximum allowed length.

EMCSR19I

END OF COMMAND

Cause

Indicates the end of the command submitted to EMCSRDF.

Action

None.

EMCSR20I

END of FILE on SYSIN REACHED.

Cause

This message is issued from the EMCSRDF batch interface. It indicates that the batch program has finished reading SRDF Host Component commands from the SYSIN DD.

Action

None.

EMCSR31E

MAXIMUM TRACKED COMMANDS REACHED

Cause

The maximum number of queued commands exceeds the maximum specified with the MAX_COMMANDQ initialization parameter. This message is also issued if the maximum number of tracked commands set with the MAX_TRCK_CMDS initialization parameter is reached.

Action

Until the MAX_COMMANDQ setting is changed, you must wait for the existing queued actions to complete before submitting additional actions. To increase the size of the queue, add or modify MAX_COMMANDQ or MAX_TRACK_CMDS according to the instructions in the *SRDF Host Component for z/OS Product Guide* and recycle SRDF Host Component to apply the change.

EMCSS00I

TASK IS BUSY; PLEASE RETRY

Cause

An SRDF Host Component command was issued, and the main task was busy.

Action

Perform the following steps:

1. If an #SC GLOBAL SSID_REFRESH command is running, wait for the completion of the command.
2. Check if there is any outstanding REPLY. If there is, reply either CONTINUE or CANCEL.
3. Retry the command.

EMCSS02E

ABNORMAL CONDITION OCCURRED IN EMC SUBSYSTEM

Cause

An abend has occurred.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCSS03I

SRDF HOST COMPONENT NOT ACCEPTING COMMANDS

Cause

The SRDF command was issued when the system has not completed its initialization process.

Action

Wait until the system displays the EMCMN03I message before you issue any SRDF Host Component commands. Any commands entered after EMCMN03I are queued until message EMCMN81I is issued.

EMCSS04E

MAX_COMMANDQ REACHED, PLEASE REPLY

Cause

More than the allowed maximum number of commands specified on the MAX_COMMANDQ initialization parameter has been reached.

Action

Wait for commands to run, and then try the command again.

EMCSS05E

UNABLE TO OBTAIN STORAGE TO QUEUE COMMAND BUFFER

Cause

A GETMAIN request for storage failed so the command cannot be queued to the Host Component.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCTS01E

ERROR OCCURRED WHILE MESSAGES WERE BEING RETRIEVED

Cause

Message queuing has been disabled by the operating system.

Action

Press PF3 to end the session.

EMCTS01I

THE EXTENDED MCS CONSOLE HAS BEEN ACTIVATED

Cause

The first command that you entered.

Action

None.

EMCTS02E

TSO/E SERVICE FAILED *rc rs*. SESSION WILL END

Cause

The invoked program terminated due to unsuccessful TSO/E service operation.

Action

Report the *rc* (return code) and *rs* (reason code) to the Dell EMC Customer Support Center.

EMCTS02I

NO COMMAND ENTERED

Cause

There is no command entered at the command line.

Action

Enter a command.

EMCTS02W

THE NUM ENTERED DOES NOT MATCH THE REPLIED MSG NUM

Cause

The number entered to reply for confirmation does not match the replied message number shown on the screen.

Action

Check the replied message ID, correct the mistake, and reenter a correct number.

EMCTS03E

FAILED TO OBTAIN STORAGE AREA

Cause

The ISPF interface failed to obtain storage for an internal table because of insufficient storage.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCTS03I

MDBS WERE RETREIVED SUCCESSFULLY

Cause

The ISPF interface successfully retrieved information corresponding to the command you just entered.

Action

None.

EMCTS04E

UNABLE TO DEFINE FIELDS TO THE ISPF PANEL VALUES

Cause

The ISPF interface was unable to define fields associated with the ISPF panel values.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCTS04I

TIME EXPIRED. ENTER A COMMAND OR ENTERED KEY TO RETRY

Cause

The ISPF interface has unsuccessfully retrieved related information corresponding to the

command you just entered.

Action

Reissue the command.

EMCTS05W

```
THE NUMBER ENTERED DOES NOT MATCH THE REPLY MSG ID
```

Cause

The number you entered to reply confirmation does not match the reply message number shown on the screen.

Action

Check the reply message number, correct the mistake, and reenter the correct number.

EMCTS06E

```
ERROR OCCURRED WHILE MESSAGES WERE BEING RETREIVED
```

Cause

Message queuing has been disabled by the operating system.

Action

Press PF3 to end the session.

EMCTS07E

```
TSO/E SERVICE FAILED. SESSION WILL END. vv xx yy zz
```

Cause

The invoked program terminated due to unsuccessful TSO/E service operation.

Action

Report vv xx yy zz (retcodes and reason codes) to the Dell EMC Customer Support Center.

EMCTS08E

```
FAILED TO OBTAIN STORAGE AREA
```

Cause

The ISPF interface was trying to obtain storage for an internal table, but insufficient storage was available.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCTS09E

```
UNABLE TO DEFINE FIELDS FOR THE ISPF PANEL VALUES
```

Cause

The ISPF interface was unable to define the fields associated with the ISPF panel values.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot correct the problem, contact

the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCTS10E

SUBSYSTEM HAS BEEN DISABLED

Cause

SRDF Host Component terminated abnormally or has been terminated.

Action

None.

EMCTS11E

ACTIVATION OF MCS CONSOLE FAILED. SESSION WILL END

Cause

The ISPF interface is unable to activate an extended MCS console.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCTS12E

DEACTIVATION OF MCS CONSOLE FAILED

Cause

The ISPF interface was unable to deactivate an extended MCS console.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCTS13E

UNRECOVERABLE PROGRAM OR ENVIRONMENT ERROR LOGOFF

Cause

The ISPF interface was unable to recover the extended MCS environment.

Action

End the session, and contact the Dell EMC Customer Support Center.

EMCTS14E

A RELEASE OF THE SRDF-HC IS BELOW 3.0.0

Cause

The ISPF interface has detected that the release of SRDF Host Component is below 3.0.0.

Action

Contact the Dell EMC Customer Support Center.

EMCTS15E

INVALID COMMAND PREFIX OR SRDF-HC NOT ACTIVE

Cause

The ISPF interface has detected that the command prefix you entered does not exist.

Action

Verify that SRDF Host Component has been activated, and the command prefix was entered correctly. If SRDF Host Component is active and the command prefix was entered correctly, contact the Dell EMC Customer Support Center.

EMCTS16E

INCORRECT SSYS ID

Cause

Validation failed on the MDB prefix for message data block.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EMCTS18E

TABLE DISPLAYED OVERFLOW

Cause

Internal table not large enough to display all BCVs.

Action

Check the Dell EMC Online Support website for maintenance to correct the error.

EMCVC00I

SRDF-HC DISPLAY FOR

Cause

An #SC BCV command has been issued, and the output from the command is being displayed.

Action

None.

EMCVC01I

COMMAND PROCESSED

Cause

The EMCTF batch utility has processed the BCV commands.

Action

None.

EMCVC02E

INSUFFICIENT STORAGE TO ALLOCATE DATA AREA

Cause

The system has unsuccessfully acquired storage area because the region size is not large enough.

Action

Increase the region size up to 8 MB. If the problem persists, contact the Dell EMC Customer Support Center.

EMCVC03R

```
SRDF IS GOING TO PARTIALLY RESTORE FROM BCV dev# REPLY CONTINUE TO  
PROCEED OR CANCEL TO TERMINATE
```

Cause

An #SC BCV RESTORE command operation has been requested from the BCV device *dev#*.

Action

To allow the restore, reply CONTINUE; otherwise, reply CANCEL.

EMCVC04R

```
SRDF IS GOING TO FULLY RESTORE DEVICE syndv# REPLY CONTINUE TO  
PROCEED OR CANCEL TO TERMINATE
```

Cause

An #SC BCV RESTORE command operation was requested for device *syndv#*.

Action

To allow the RESTORE operation, reply CONTINUE; otherwise, reply CANCEL.

EMCVC05I

```
COMMAND ABORTED
```

Cause

SRDF Host Component discontinued a process of the command due to the operator responding to cancel the command.

Action

Refer to those messages that had displayed immediately before this one, or contact the Dell EMC Customer Support Center when necessary.

EMCVC06R

```
SRDF IS GOING TO ESTABLISH A STANDARD/BCV PAIR, REPLY CONTINUE TO  
PROCEED OR CANCEL TO TERMINATE
```

Cause

An #SC BCV,*cuus,cuup*,ESTABLISH or #SC BCV,*cuus-cuus,cuup-cuup*,ESTABLISH command was entered.

Action

Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCVC07R

```
SRDF IS GOING TO RE-ESTABLISH A STANDARD/BCV PAIR, REPLY CONTINUE  
TO PROCEED OR CANCEL TO TERMINATE
```

Cause

An #SC BCV,*cuus*,RE-ESTABLISH or #SC BCV,*cuus-cuus*,RE-ESTABLISH command was entered.

Action

Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCVC08R

SRDF IS GOING TO SPLIT A STANDARD/BCV PAIR, REPLY CONTINUE TO PROCEED OR CANCEL TO TERMINATE

Cause

An #SC BCV,*cuus*,SPLIT,... or #SC BCV,*cuus-cuus*,SPLIT,... command was entered.

Action

Reply CONTINUE to allow the command to process or CANCEL to terminate the command.

EMCVC09R

SRDF IS INVOKING TIMEFINDER WITH THE COMMAND ABOVE ENTER CONTINUE TO PROCEED OR CANCEL TO TERMINATE

Cause

A #TF command of SRDF Host Component was issued with OPERATOR_VERIFY=ALL specified.

Action

Review the command in the EMCMN00I message, and reply as directed.

EMCVQ00I

SRDF-HC DISPLAY FOR *timefinder_command*

Cause

Response to TimeFinder command issued through SRDF Host Component.

Action

None.

EMCVQ01E

INSUFFICIENT STORAGE TO ALLOCATE DATA AREA

Cause

The system has unsuccessfully acquired storage area because the region size is not large enough.

Action

Increase the region size up to 8 MB. If the problem persists, contact the Dell EMC Customer Support Center.

EMCVQ01I

SRDF-HC DISPLAY FOR #SQ BCV, *cuu*, *text*

Cause

An #SQ BCV command was requested.

Action

None.

CHAPTER 3

Common Swap Services

ESWP000E | CGRS000E | FMMS000E | SCFS000E

```
(rrrrr) (PID ppppp) Device sccuu not accessible : reason
```

Cause

AutoSwap has detected loss of access to the indicated device. Further information as to how the loss was detected is indicated by the reason:

- No-paths (*xxxxxxxx, yyyyyyyy*) - The no paths condition was detected during path validation processing. *xxxxxxxx* and *yyyyyyyy* are diagnostic codes.
- UCB condition (*text/rrff*) - The UCB is in an invalid state, where *rr* indicates the associated UCB byte causing issue and *ff* indicates the current UCB byte setting. The following *rr* and *text* values are possible:
 - 01 - UCB not valid - UCBID specifies a non-standard ID.
 - 02 - BOXed - UCBFLA specifies an invalid state.
 - 02 - permanent error - UCBFLA specifies an invalid state.
 - 03 - not connected - UCBFLB specifies an invalid state.
 - 03 - hot IO - UCBFLB specifies an invalid state.
 - 03 - no paths - UCBFLB specifies an invalid state.
 - 04 - MIH condition - UCBMIHTI specifies an invalid state.
 - 05 - MIH hot IO recovery - UCBHOTIO specifies an invalid state.
 - 06 - MIH condition - UCBMIHFG specifies an invalid state.
 - 07 - MIH condition - UCBMIHFG specifies an invalid state.
 - 08 - no logical paths - UCBLPM indicates no logical paths.
 - 09 - UCB not found - UCB not located.
 - 0A - UCB is not valid - Storage containing the UCB is not accessible.
 - 0B - UCB prefix not found - UCB prefix not located.

Action

Determine and correct the state of the device. z/OS operator commands DS P,*sccuu* and DS QD,*sccuu* may be issued to assist in determining the reason for failure.

ESWP001E | CGRS001E | FMMS001E | SCFS001E

```
(rrrrr) (PID ppppp) Device/UCB sccuu/ucbaddr SYSCALL failed:  
RC/RS/ERS : rc/rs/ers  
text
```

Cause

A call to the Dell EMC Symmetrix application interface failed for the indicated device. Additional diagnostics are included for Dell EMC technical support. For common code errors, an optional explanation is added to the message.

Action

Refer to other messages issued and (or) the explanation provided in this message to

determine the reason for the failure. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center for assistance. Ensure that you have all relevant job documentation available.

ESWP002E | CGRS002E | FMMS002E | SCFS002E

```
(rrrrr) (PID ppppp) Device modifications complete, RS xxxxxxxx
```

Cause

The swapping of the contents of the UCBs has been completed with the reason code (RS) displayed.

Verbose Level: 3

Action

If the reason code is zero, the swap completed successfully. If the reason code is another value, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

ESWP003I | CGRS003I | FMMS003I | SCFS003I

```
(rrrrr) (PID ppppp) Path group processing for sccuu, RC rc (text)
```

Cause

The path group has been set or disbanded for the indicated device. Additional diagnostic information is shown.

Verbose Level: 3

Action

For a non-zero return code, other messages might be produced to indicate the required action and (or) might supply additional diagnostic information. Those messages provide further information. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

ESWP004E | CGRS004E | FMMS004E | SCFS004E

```
(rrrrr) (PID ppppp) 'FROM' and 'TO' device cannot both be {R1|R2}
```

Cause

The FROM and TO device have been detected as both being the same SRDF type.

Action

Specify an SRDF pair.

ESWP005E | CGRS005E | FMMS005E | SCFS005E

```
(rrrrr) (PID ppppp) Device sccuu is not an RDF device
```

Cause

The device specified is not an SRDF device.

Action

Specify an SRDF pair.

ESWP006E | CGRS006E | FMMS006E | SCFS006E

```
(rrrrr) (PID ppppp) 'FROM' device is an R1
```

Cause

The FROM device is an SRDF R1 device.
Verbose Level: 3

Action

None.

ESWP007I | CGRS007I | FMMS007I | SCFS007I

```
(rrrrr) (PID ppppp) 'FROM' device is an R2
```

Cause

The FROM device is an SRDF R2 device.
Verbose Level: 3

Action

None.

ESWP008E | CGRS008E | FMMS008E | SCFS008E

```
(rrrrr) (PID ppppp) R1 device sccuu must be in J0 or J1 mode
```

Cause

The R1 device must be in synchronous or semi-synchronous mode. Adaptive copy mode is not allowed.

Action

Use SRDF Host Component commands to change the mode of the device.

ESWP011E | CGRS011E | FMMS011E | SCFS011E

```
(rrrrr) (PID ppppp) R1 device sccuu did not go TNR: symdv#/srdfgrp-  
{NRDY|RDY} symdv#/srdfgrp- {NRDY|RDY}
```

Cause

During the storage system reconfiguration process, the R1 device did not go target not ready on all R2 mirrors.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

If you cannot correct the problem, contact the Dell EMC Customer Support Center.

Ensure that you have all relevant information available.

ESWP012E | CGRS012E | FMMS012E | SCFS012E

```
(rrrrr) (PID ppppp) R2 device sccuu did not go R/W
```

Cause

During the storage system reconfiguration, the R2 device did not go write enable.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

ESWP013E | CGRS013E | FMMS013E | SCFS013E

```
(rrrrr) (PID ppppp) R2 device sccuu did not go R/O
```

Cause

During the storage system reconfiguration, the R2 device did not go read only.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

ESWP014E | CGRS014E | FMMS014E | SCFS014E

```
(rrrrr) (PID ppppp) R1 device sccuu did not go TR: symdv#/srdfgrp-
{RDY|NRDY}
```

Cause

During the storage system reconfiguration, the R1 device did not go Target Ready.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

ESWP015I | CGRS015I | FMMS015I | SCFS015I

```
Process input parameters
```

Cause

AutoSwap is processing or reprocessing the input parameters from the EMCPARMS DD.

Action

None.

ESWP016I | CGRS016I | FMMS016I | SCFS016I

```
(rrrrr) (PID ppppp) CUU/UCB/prefix/DCE,
'FROM' sccuu/ucbaddr/vvvvvvvv/wwwwwwww,
'TO' sccuu/ucbaddr/vvvvvvvv/wwwwwwww
```

Cause

This message shows the specified CUUs and their UCB addresses.
Verbose Level: 3

Action

None.

ESWP017E | CGRS017E | FMMS017E | SCFS017E

```
"FROM"/"TO" must not specify the same device
```

Cause

The input parameters specify the same device.

Action

Reenter the input parameters, specifying an SRDF pair.

ESWP018I | CGRS018I | FMMS018I | SCFS018I

```
(rrrrr) (PID ppppp) Phase zz, Validate UCB status.
```

Cause

AutoSwap is validating the UCBs as part of the indicated phase (zz).
Verbose Level: 2

Action

None.

ESWP019I | CGRS019I | FMMS019I | SCFS019I

```
(rrrrr) (PID ppppp) Phase zz, validate controllers.
```

Cause

AutoSwap is validating the storage systems as part of the indicated phase (zz).
Verbose Level: 2

Action

None.

ESWP020E | CGRS020E | FMMS020E | SCFS020E

```
(rrrrr) (PID ppppp) I/O error while reading the 'FROM' device sccuu  
volser, RC/RS xxxxxxxx/yyyyyyyy
```

Cause

An I/O error occurred while reading the volser of the FROM device. Additional diagnostic information is returned in the RC and RS fields:

- RC=4 indicates a UCB detected error
 - RS=1 indicates an invalid UCB
 - RS=2 indicates a path-related error
 - RS=3 indicates the device is in permanent error or has been boxed
- RC=8 indicates an error during I/O processing
- RC=12 (x'0C') indicates an internal error
- RC=16 (x'10') indicates intervention required

Action

For an RC=4, ensure that the device is accessible. Issue the z/OS DEVSERV command (for example, DS QD, sccuu) to verify the device is available.

For an RC=8, ensure that the device is in an SRDF ready state. The SRDF Host Component command #SQ VOL may be used to check the state of the device. If the device is RESERVED for a long period of time on another host, a timeout could have occurred. Check for 'IOS071I Start Pending' messages to indicate this condition.

For an RC=12 (x'0C'), contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation, including the SYSLOG and job log.

For an RC=16 (x'10'), ensure that the device is ready to the host. The SRDF Host Component command #SQ VOL may be used to check the state of the device. For an R1 or R2, it must be RDF-RDY. For an R2, it must also be RDY. The z/OS message 'IOS003A Intervention Required' might also be generated to indicate this condition.

ESWP021E | CGRS021E | FMMS021E | SCFS021E

```
(rrrrr) (PID ppppp) I/O error while reading the 'TO'  
device sccuu volser, RC/RS xxxxxxxx/yyyyyyyy
```

Cause

An I/O error occurred while reading the volser of the TO device. Additional diagnostic information is returned as documented by message ESWP020E | CGRS020E | FMMS020E | SCFS020E.

Note that the TO device does not need to be ready to the host (RNR or NR are acceptable

states). AutoSwap automatically sets or resets the device state to check the volser.

Action

For an RC=4, ensure that the device is accessible. The SRDF Host Component command #SQ VOL may be used to check the state of the device.

ESWP022I | CGRS022I | FMMS022I | SCFS022I

```
(rrrrr) (PID ppppp) Volser/CUU 'FROM' volser/sccuu,  
'TO' volser/sccuu
```

Cause

This message shows the volsers of the two devices. The volsers must match.
Verbose Level: 3

Action

If the volsers do not match, specify the input parameters using an SRDF pair.

ESWP023E | CGRS023E | FMMS023E | SCFS023E

```
(rrrrr) (PID ppppp) Volser/CUU 'FROM' volser/sccuu,  
'TO' volser/sccuu do not match, allowed by NoVolserCheck
```

Cause

See ESWP024W | CGRS024W | FMMS024W | SCFS024W.

Action

See ESWP024W | CGRS024W | FMMS024W | SCFS024W.

ESWP024I | CGRS024I | FMMS024I | SCFS024I

```
(rrrrr) (PID ppppp) PHASE zz, COLLECT CONTROLLER INFORMATION.
```

Cause

AutoSwap is collecting storage system information as part of the indicated phase (zz).
Verbose Level: 2

Action

None.

ESWP024W | CGRS024W | FMMS024W | SCFS024W

```
(rrrrr) (PID ppppp) Volser/CUU 'FROM' volser/sccuu,  
'TO' volser/sccuu do not match, allowed by NoVolserCheck
```

Cause

During validation processing a volume serial (volser) mismatch was detected. If the Error (023E) form of this message is displayed then validation processing fails. If the Warning (023W) form of this message is displayed, then validation processing continues.
On an owner system: When the VolserCheck AutoSwap option is set, the FROM and TO volume serials are verified by reading the volume labels of the device pairs. Where AutoSwap is active in the consistency group as a CAX group, the NOVolserCheck option is forced and owner volume serial checking is not performed.
On a non-owner system: The TO device is the volume serial from the owner systems perspective and the FROM device is the volume serial from the non-owners perspective. A mismatch indicates that the volume serial passed by the owner system does not match the volume serial as seen by the non-owner. Only the first device in a contiguous device range is checked for a match.

Action

If the VolserCheck option is set and the message is displayed on the owner system, verify

that the devices are valid SRDF pairs.

On a non-owner system, this could indicate the device that has been reinitialized with a new volume serial while online. Verify the device volser using the z/OS Display Units command `D U,,,ccuu,1` to make sure it matches with the owner system view of the device. The device might need to be varied offline and online using z/OS operator commands to correct the z/OS view of the device. The device might need to be varied offline and online using the z/OS operator commands to connect the z/OS view of the volume serial. If the reason for this message cannot be determined, contact the Dell EMC Customer Support Center.

ESWP026I | CGRS026I | FMMS026I | SCFS026I

```
(rrrrr) (PID ppppp) Phase zz, check RDF configuration.
```

Cause

AutoSwap is verifying the SRDF storage system configuration as part of the indicated phase (zz).

Verbose Level: 2

Action

None.

ESWP028I | CGRS028I | FMMS028I | SCFS028I

```
(rrrrr) (PID ppppp) Phase zz, transfer reserve.
```

Cause

AutoSwap is checking, if necessary, with transfer device reserves as part of the indicated phase (zz).

Verbose Level: 2

Action

None.

ESWP029I | CGRS029I | FMMS029I | SCFS029I

```
(rrrrr) (PID ppppp) Phase zz, re-configure RDF.
```

Cause

AutoSwap is reconfiguring SRDF as part of the indicated phase (zz).

Verbose Level: 2

Action

None.

ESWP030I | CGRS030I | FMMS030I | SCFS030I

```
(rrrrr) (PID ppppp) PHASE zz, Modify Device control structures.
```

Cause

AutoSwap is invoking service routines to modify z/OS control structures as part of the indicated phase (zz).

Verbose Level: 2

Action

None.

ESWP031I | CGRS031I | FMMS031I | SCFS031I

```
(rrrrr) (PID ppppp) Phase zz, establish/validate path group.
```

Cause

AutoSwap is invoking service routines to establish and verify the dynamic pathing to the device as part of the indicated phase (zz).

Verbose Level: 2

Action

None.

ESWP034E | CGRS034E | FMMS034E | SCFS034E

```
(rrrrr) (PID ppppp) R1 device sccuu must not be in domino mode
```

Cause

The R1 device in an SRDF pair has the Domino attribute.

Action

You must remove the Domino attribute on the SRDF pair. You can use SRDF Host Component to perform this action.

ESWP035E | CGRS035E | FMMS035E | SCFS035E

```
(rrrrr) (PID ppppp) I/O error while reading CC info, RC/RS/ERS  
xxxxxxxx/yyyyyyyy/zzzzzzzz
```

Cause

An I/O error occurred while reading the concurrent copy status for the device.

Action

Correct the state of the device and try the swap again.

ESWP036I | CGRS036I | FMMS036I | SCFS036I

```
(rrrrr) (PID ppppp) Phase zz, Check software features.
```

Cause

AutoSwap is checking for any incompatible software features as part of the indicated phase (zz).

Verbose Level: 2

Action

None.

ESWP037E | CGRS037E | FMMS037E | SCFS037E

```
(rrrrr) (PID ppppp) Concurrent copy (CC) must not be active on the  
'FROM' device sccuu.
```

Cause

One or more Concurrent Copy (CC) sessions were detected on the FROM device.

Action

Either wait for the job using the Concurrent Copy (CC) session to complete and rerun the swap, or specify the AutoSwap option AllowConcurrentCopy to allow the swap to take place. If AllowConcurrentCopy is specified, the job using the Concurrent Copy session fails at the time the swap occurs.

ESWP038E | CGRS038E | FMMS038E | SCFS038E

```
(rrrrr) (PID ppppp) R1=>R2 TNR failed
```

Cause

While configuring the storage system for the swap, a command failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

ESWP039E | CGRS039E | FMMS039E | SCFS039E

```
(rrrrr) (PID ppppp) R1=>R2 R/W failed
```

Cause

While configuring the storage system for the swap, a command failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

ESWP040E | CGRS040E | FMMS040E | SCFS040E

```
(rrrrr) (PID ppppp) R2=>R1 R/O failed
```

Cause

While configuring the storage system for the swap, a command failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

ESWP041E | CGRS041E | FMMS041E | SCFS041E

```
(rrrrr) (PID ppppp) R2=>R1 TR failed.
```

Cause

While configuring the storage system for the swap, a command failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

ESWP042I | CGRS042I | FMMS042I | SCFS042I

```
(rrrrr) (PID ppppp) RESERVE transferred to 'TO' device.
```

Cause

During phase 10 of the swap, a reserve held on the FROM device has been transferred to the TO device.

Action

None.

ESWP044E | CGRS044E | FMMS044E | SCFS044E

```
(rrrrr) (PID ppppp) 'FROM'/'TO' ccuu/ccuu device
types type/type are not equal.
```

Cause

The indicated FROM and TO devices have different device types. This indicates that the devices are of a different geometry and cannot be swapped.

Action

Specify a correct FROM and TO device that are of the same device type.

ESWP045E | CGRS045E | FMMS045E | SCFS045E

```
(rrrrr) (PID ppppp) SymDV#/Ctrl# 'FROM' symdv#/symms,
'TO' symdv#/symms do not point to each other.
```

Cause

The specified SRDF devices do not point to each other.

Action

Specify a correct R1-R2 pair.

ESWP047I | CGRS047I | FMMS047I | SCFS047I

```
(rrrrr) (PID ppppp) SymDV#/Ctrl#/OSymDV#/RDFgrp/RA#/DA#/DA#,
'FROM' symdv#/symms/symdv#/srdfgrp/xx/yy/zz,
'TO' symdv#/symms/symdv#/srdfgrp/xx/yy/zz.
```

Cause

This message shows PowerMax or VMAX device information.

Verbose Level: 1

Action

None.

ESWP048E | CGRS048E | FMMS048E | SCFS048E

```
(rrrrr) (PID ppppp) Device sccuu RDFgrp srdfgrp not found or no RA
online in group.
```

Cause

Either the SRDF group could not be found or no RAs were found to be online to the group.

Action

If an SRDF group was specified in the AutoSwap options, verify that it is a valid SRDF group and that there is an RA online to the group.

ESWP049E | CGRS049E | FMMS049E | SCFS049E

```
(rrrrr) (PID ppppp) Device sccuu RDF mirror count x is not valid.
```

Cause

An invalid number of mirrors has been detected. This could indicate that an internal error has occurred.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

ESWP050E | CGRS050E | FMMS050E | SCFS050E

```
(rrrrr) (PID ppppp) Controller must be at microcode level 5062 or higher.
```

Cause

A device specified is on a storage system with an unsupported level of the operating environment.

Action

Specify an SRDF pair on a supported operating environment level.

ESWP051E | CGRS051E | FMMS051E | SCFS051E

```
(rrrrr) (PID ppppp) Specified device must be on a EMC controller.
```

Cause

The devices specified must reside on a storage system.

Action

Specify an SRDF pair.

ESWP052E | CGRS052E | FMMS052E | SCFS052E

```
(rrrrr) (PID ppppp) R1 device sccuu has R2 invalid tracks.
```

Cause

The number of invalid tracks for the R2 on the R1 is invalid for a swap request.

Action

Use SRDF Host Component to synchronize the SRDF pair.

ESWP053E | CGRS053E | FMMS053E | SCFS053E

```
Abend detected in AutoSwap main task.
```

Cause

An abend has occurred in the AutoSwap main task. AutoSwap will terminate.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

ESWP054I | CGRS054I | FMMS054I | SCFS054I

```
(rrrrr) (PID ppppp) DCE's processed, RS xxxxxxxx
```

Cause

The DCEs have been updated.

Action

None.

ESWP055E | CGRS055E | FMMS055E | SCFS055E

```
(rrrrr) (PID ppppp) CFW must not be active on the 'FROM' controller Ctrl#/SSID symms/ssid.
```

Cause

Cache Fast Write (CFW) has been detected as active on the indicated storage system and SSID. Devices on this storage system and SSID cannot be swapped.

Action

If the devices are to be swapped either deactivate CFW using the IBM IDCAMs utility or specify an AutoSwap CFW option other than NO (the default).

ESWP056E | CGRS056E | FMMS056E | SCFS056E

```
(rrrrr) (PID ppppp) Device sccuu must not be part of a dual copy pair.
```

Cause

Dual copy was detected on the indicated FROM device.

Action

Dual Copy must be terminated prior to proceeding.

ESWP057E | CGRS057E | FMMS057E | SCFS057E

```
(rrrrr) (PID ppppp) AutoSwap serialization ENQ failed.
```

Cause

The swap process could not serialize the swap devices.

Action

Ensure that another AutoSwap job is not currently in progress for the devices represented by the PID.

If you cannot determine the reason for the failure, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

ESWP058E | CGRS058E | FMMS058E | SCFS058E

```
(rrrrr) Abend detected in AutoSwap Swap Manager.
```

Cause

An ABEND has occurred in the indicated AutoSwap swap request. The swap request will terminate.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

ESWP059E | CGRS059E | FMMS059E | SCFS059E

```
(rrrrr) (PID ppppp) Device ccuu failed UCB scan.
```

Cause

The indicated device could not be located.

Action

Ensure that a valid DASD device is specified.

ESWP060E | CGRS060E | FMMS060E | SCFS060E

```
(rrrrr) (PID ppppp) UCB SWAP backout failed, RS xxxxxxxx.
```

Cause

When SHARED=Y, another host failed its UCB swap, and this host is attempting to

backout its own UCB swap. The backout failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

ESWP065I | CGRS065I | FMMS065I | SCFS065I

```
(rrrrr) (PID ppppp) Synchronize checkpoint xx complete.
```

Cause

The current synchronization level is complete. This message is displayed once for each checkpoint.

Action

None.

ESWP067E | CGRS067E | FMMS067E | SCFS067E

```
(rrrrr) (PID ppppp) R1 device sccuu must be TNR on a R2=>R1 SWAP.
```

Cause

The R1 device in a R2 to R1 swap is SRDF write-disabled (RWD). This is an invalid state, which could result in data loss.

Action

Change the status to target not-ready (TNR) and run AutoSwap again.

ESWP068I | CGRS068I | FMMS068I | SCFS068I

```
(rrrrr) (PID ppppp) Phase zz, suspend I/O.
```

Cause

AutoSwap is suspending new I/O requests and waiting for current I/O to complete as part of indicated phase (zz).

Verbose Level: 2

Action

None.

ESWP069I | CGRS069I | FMMS069I | SCFS069I

```
(rrrrr) (PID ppppp) Phase zz, resume I/O.
```

Cause

AutoSwap is allowing I/O to resume as part of indicated phase (zz).

Verbose Level: 2

Action

None.

ESWP071E | CGRS071E | FMMS071E | SCFS071E

```
(rrrrr) (PID ppppp) Invalid RDF mirror number: xx.
```

Cause

An invalid mirror number has been detected.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

ESWP073E | CGRS073E | FMMS073E | SCFS073E

```
(rrrrr) (PID ppppp) Storage obtain failed for link list buffer
```

Cause

The STORAGE OBTAIN failed for the link list buffer.

Action

Increase the region size for the job.

ESWP074E | CGRS074E | FMMS074E | SCFS074E

```
(rrrrr) (PID ppppp) Storage release failed for link list buffer.
```

Cause

The STORAGE RELEASE failed for the link list buffer.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

ESWP075E | CGRS075E | FMMS075E | SCFS075E

```
(rrrrr) (PID ppppp) EMCLLS failed, RC xxxxxxxx, RSNC yyyyyyyy
```

Cause

The link list search routine failed with the indicated return and reason codes.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

ESWP076W | CGRS076W | FMMS076W | SCFS076W

```
(rrrrr) (PID ppppp) Volume volser has count active link list data set(s).
```

Cause

Active link list datasets have been detected on the source volume.

Action

After the swap completes, issue the refresh LLA command (F LLA, REFRESH).

ESWP077E | CGRS077E | FMMS077E | SCFS077E

```
(rrrrr) (PID ppppp) GETCPLFL failed, RC xxxxxxxx, RSNC yyyyyyyy
```

Cause

The XCF search routine failed with the indicated return and reason codes.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for

applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

ESWP078E | CGRS078E | FMMS078E | SCFS078E

```
Extended RC/RSNC xxxxxxxx/xxxxxxx.
```

Cause

The XCF search routine failed with the indicated extended return and reason codes.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

ESWP079E | CGRS079E | FMMS079E | SCFS079E

```
(rrrrr) (PID ppppp) Volume volser has XCF couple data  
sets: couple_dataset_name  
[More...]
```

Cause

The indicated volume contains XCF couple datasets. This situation will prevent swap processing as the NOALLOWCOUPLEDATASETS option was specified for the group. The couple datasets located on the volume are displayed in MLWTO format following the ESWP079E | CGRS079E | FMMS079E | SCFS079E message. The 'More...' line is displayed if more than eight couple datasets are found.

Action

If swap processing is required for the device, specify the ALLOWCOUPLEDATASETS option. Not all couple datasets are eligible to be swapped. The specification of ALLOWCOUPLEDATASETS must only be done for certain LOGR couple datasets.

ESWP080I | CGRS080I | FMMS080I | SCFS080I

```
(rrrrr) (PID ppppp) Device sccuu offline, {bypassed|online bypassed  
at swap|allowed for cross system requests|allowed}
```

Cause

The indicated FROM device has been detected as offline:

- `allowed` - Displayed when AllowOfflineDevices is specified. All processing will be performed for the device on this host (I/O quiesce, SRDF reconfiguration, and so on); however, the physical UCB swap will not be performed by this AutoSwap, as this is not necessary. Device reconfiguration will be performed.
- `allowed for cross system requests` - Displayed when BypassOfflineDevices is specified and the device is online to the owning group host. This indicates that the device will be processed on cross-system, AutoSwap operations, however the physical UCB swap will not be performed by this AutoSwap, as this is not necessary. However, device reconfiguration will be performed.
- `bypassed` - Displayed when BypassOfflineDevices is specified. The device will not be processed.
- `online bypassed at swap` - If a previously bypassed device is varied online, it becomes part of the swap group. If the device does not undergo validation prior to a

subsequent swap request, the device remains bypassed and is not swapped. If an online device is varied offline, it can only become 'bypassed' if the device has not been propagated by the owner to other systems during validation. If the device became known to other systems during validation, it won't become bypassed'. It takes on a similar attribute to AllowOfflineDevices and shown as 'bypass changed to allow'. Devices being bypassed may be displayed using the DISPLAY GROUP DET F BYPASS operator command. Bypassed devices which are requested for swapped change their status to SwapByP at the completion of the swap. In this case, use the DISPLAY GROUPDET F SWAPBYP command.

Action

Verify that the device was intentionally left in an offline state. AutoSwap continues processing. If offline devices are not to be processed, specify the AutoSwap option NoBypassOfflineDevices. This will prevent a device being validated where offline devices (on any host) are detected.

ESWP081E | CGRS081E | FMMS081E | SCFS081E

```
(rrrrr) (PID ppppp) Device sccuu, {RDF-NRDY|RDF-RDY} failed.
```

Cause

The command to set the R1 device to the RDF-NRDY or RDF-RDY state failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

ESWP082W | CGRS082W | FMMS082W | SCFS082W

```
(rrrrr) (PID ppppp) R1 could not be made NRDY.
```

Cause

On a R1 to R2 swap, FROMNRDY was requested; however, the RDF_NRDY command failed on the R1 device. The R1 has been left in TNR status.

Action

You can change the R1 status to RDF-NRDY using SRDF Host Component. If you cannot determine the reason for the failure, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation, including the SYSLOG and job log.

ESWP083E | CGRS083E | FMMS083E | SCFS083E

```
(rrrrr) (PID ppppp) R2 device sccuu, {NRDY|RDY} failed.
```

Cause

The command to set the R2 device to the NRDY or RDY state failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

ESWP084W | CGRS084W | FMMS084W | SCFS084W

```
(rrrrr) (PID ppppp) R2 could not be made NRDY.
```

Cause

On a R2 to R1 swap, FROMNRDY was requested; however, the NRDY command failed on the R2 device. If FROMNRDY=Y, the R2 has been left in R/O status, otherwise, a backout of the swap is initiated.

Action

You can change the R2 status to NRDY using SRDF Host Component. If you cannot determine the reason for the failure, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation, including the SYSLOG and job log.

ESWP088I | CGRS088I | FMMS088I | SCFS088I

```
(rrrrr) (PID ppppp) Backout processing  
initiated from_device/to_device
```

Cause

An error has occurred during the swap processing of the indicated FROM and TO devices such that a backout of the swap is being performed. See previous messages for the reason for the backout.

The FROM and TO devices are displayed as *sccuu* or (when the CUU cannot be located) as *symms,symdv#*, with 2 leading digits of the device number suppressed when zero.

Action

Examine other messages generated by the swap processing to determine the reason for the backout. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot find the reason for the problem, contact the Dell EMC Customer Support Center.

ESWP090E | CGRS090E | FMMS090E | SCFS090E

```
AutoSwap processor ATTACH failed xxxxxxxx.
```

Cause

An error has occurred when attaching a new AutoSwap process.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

ESWP091E | CGRS091E | FMMS091E | SCFS091E

```
AutoSwap processor IDENTIFY failed xxxxxxxx.
```

Cause

An error occurred when attaching a new AutoSwap process.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

ESWP092E | CGRS092E | FMMS092E | SCFS092E

```
(rrrrr) (PID ppppp) 'FROM'/'TO' must not specify the same device.
```

Cause

The input parameters specify the same device.

Action

Reenter the input parameters, specifying an SRDF pair.

ESWP093E | CGRS093E | FMMS093E | SCFS093E

```
(rrrrr) (PID ppppp)  
AutoSwap {SWAP|VALIDATE} 'FROM'/'TO' from_device/to_device completed, RC/RS xxxxxxxx/yyyyyyyy.
```

Cause

The AutoSwap SWAP or VALIDATE has completed for the indicated FROM and TO devices. If the devices are not known (not yet resolved), ???? is displayed.

- If RC is higher than the allowed MAXRC specified on the AutoSwap options, the processing will be quiesced.
- If RC>0, message ESWP093W | CGRS093W | FMMS093W | SCFS093W is generated.
- If RC>4, message ESWP093E | CGRS093E | FMMS093E | SCFS093E is generated.

The FROM and TO devices are displayed as *sccuu* or (when the CUU cannot be located) as *symms,symdv#*, with 2 leading digits of the device number suppressed when zero. Verbose Level: 1 if VALIDATE mode and the return code is less than or equal to 4.

Otherwise, the message is always produced.

Action

If the return code is 0, the SWAP or VALIDATE has completed successfully. For other return codes, examine the log for additional messages.

ESWP093I | CGRS093I | FMMS093I | SCFS093I

```
(rrrrr) (PID ppppp)  
AutoSwap {SWAP|VALIDATE} 'FROM'/'TO' from_device/to_device completed.
```

Cause

AutoSwap completed.

Action

None.

ESWP093W | CGRS093W | FMMS093W | SCFS093W

```
(rrrrr) (PID ppppp)  
AutoSwap {SWAP|VALIDATE} 'FROM'/'TO' from_device/to_device completed, RC/RS xxxxxxxx/yyyyyyyy.
```

Cause

AutoSwap completed.

Action

None.

ESWP094W | CGRS094W | FMMS094W | SCFS094W

```
Process count exceeds maximum, reduced to value.
```

Cause

The provided process count (PROCCNT) is larger than the maximum value that may be specified. The process count is reduced to the indicated maximum value.

Action

None.

ESWP095E | CGRS095E | FMMS095E | SCFS095E

```
(rrrrr) (PID ppppp) Abend in phase xxxx.
```

Cause

An abend has occurred for the PID in the specified phase.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

ESWP097E | CGRS097E | FMMS097E | SCFS097E

```
(rrrrr) (PID ppppp) RC xxxxxxxx exceeds allowable MAXRC xxxxxxxx.  
Processing quiesced. [Group processing disabled.]
```

Cause

The AutoSwap SWAP or VALIDATE processing has completed with an RC higher than the allowed MAXRC specified on the AutoSwap options. No new processes will start, however existing work will be allowed to complete.

The RC displayed in this message is in decimal.

Where the group is defined with SWAPCONTROL=BYGROUP the group now becomes disabled and swap processing will not be allowed.

Action

Examine the log for additional messages to determine the reason for the failure. If the RETAIN AutoSwap option has been specified, the group will remain in an active IDLE state. After the reason for the failure has been rectified, the processing may be initiated again using the same group name. In addition, if a device state change is detected by AutoSwap for the indicated device, it will automatically be revalidated for processing.

ESWP098I | CGRS098I | FMMS098I | SCFS098I

```
(rrrrr) (PID ppppp) CFW deactivated on device controller  
Ctrl#/SSID symms/ssid.
```

Cause

Cache Fast Write (CFW) has been deactivated as requested on the indicated storage system SSID.

Action

None.

ESWP099I | CGRS099I | FMMS099I | SCFS099I

```
(rrrrr) (PID ppppp) CFW activated on 'TO' device controller  
Ctrl#/SSID symms/ssid.
```

Cause

Cache Fast Write (CFW) has been activated as requested on the indicated storage system SSID.

Action

None.

ESWP100E | CGRS100E | FMMS100E | SCFS100E

```
(rrrrr) (PID ppppp) Cross system count mismatch. Located xxxx,
required yyyy.
```

Cause

During validation processing, a system count mismatch has been detected which has resulted in a processing error. AutoSwap automatically determines the number of LPARs with the device online. During validation processing, AutoSwap validates that all of these LPARs have AutoSwap running and that the devices are accessible.

Message ESWP195I | CGRS195I | FMMS195I | SCFS195I is written to indicate the hosts and the path groups which are required to satisfy the request.

Action

Ensure that AutoSwap is running on all hosts indicated by the 'Path group warning' lines in this message.

Message ESWP195I | CGRS195I | FMMS195I | SCFS195I provides further information on these message lines.

In addition, devices with the detected mismatch may be displayed using the DISPLAY GROUP DETAIL FIND ! command (the ! indicator on the display detail command shows those devices with a count mismatch). A system count mismatch can be allowed using the AllowSystemsCountMismatch AutoSwap option. Exercise caution when using the AllowSystemsCountMismatch option as hosts may incorrectly access different devices at the conclusion of the swap.

ESWP101W | CGRS101W | FMMS101W | SCFS101W

```
(rrrrr) (PID ppppp) Cross system count mismatch allowed. Located
xxxx, required yyyy.
```

Cause

During validation processing, a system count mismatch has been detected and bypassed by the AllowSystemsCountMismatch AutoSwap option. Message ESWP100E | CGRS100E | FMMS100E | SCFS100E for additional details. Note that in contrast with message ESWP|CGRS|FMMS|SCFS100E, message ESWP195I | CGRS195I | FMMS195I | SCFS195I is only displayed if at least verbose level 3 is set.

Action

Careful use of the AllowSystemsCountMismatch AutoSwap option must be exercised, especially where the ChangeSourceDevice=NONRDY option has also been selected, as hosts might incorrectly access different devices at the conclusion of the swap.

ESWP102E | CGRS102E | FMMS102E | SCFS102E

```
(rrrrr) (PID ppppp) Storage obtain failed for ENF signal
processing.
```

Cause

The parameter area could not be obtained for ENF signal processing. The DDR signal will not be generated for this swap process.

Action

Increase the REGION size for the AutoSwap job.

ESWP103E | CGRS103E | FMMS103E | SCFS103E

```
(rrrrr) (PID ppppp) Storage release failed for ENF signal
processing.
```

Cause

The parameter area could not be released after ENF signal processing.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

ESWP104I | CGRS104I | FMMS104I | SCFS104I

```
(rrrrr) (PID ppppp) Device sccuu volser changed to 'volser'.
```

Cause

The source device volser has been changed to the indicated volser after swap processing has completed. The prefix for the volser was specified on the CHGVOLP parameter. The 4 character suffix is the z/OS device number of the source device.

Action

None.

ESWP105W | CGRS105W | FMMS105W | SCFS105W

```
(rrrrr) (PID ppppp) Device sccuu volser change failed RC xxxxxxxx
```

Cause

The source device volser could not be changed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

ESWP107I | CGRS107I | FMMS107I | SCFS107I

```
(rrrrr) (PID ppppp) Phase zz, update 'FROM' device status.
```

Cause

AutoSwap is updating the FROM device as required by the ChangeSourceDevice specification as part of indicated phase (zz).
Verbose Level: 2

Action

None.

ESWP108I | CGRS108I | FMMS108I | SCFS108I

```
(rrrrr) (PID ppppp) Phase zz, signal completion.
```

Cause

AutoSwap is invoking system services (ENF and SSI) to inform other operating system components of the swap completion as part of indicated phase (zz).
Verbose Level: 2

Action

None.

ESWP111W | CGRS111W | FMMS111W | SCFS111W

```
(rrrrr) (PID ppppp) command failed on  
Tgtdev/RDFgrp/Dir# ccu/srdfgrp/dir#, RS rs, redrive bb of cc.
```

Cause

The indicated request command failed on the indicated device and will be retried. During device reconfiguration, AutoSwap will attempt to retry, up to the limit *cc*, some reconfiguration commands where the error is detected as a transient condition. The reason for the redrive is indicated by *rs*:

- 01 - Remote request with no link available (R2 to R1 swap only).
- 02 - Remote request failed.
- 03 - Storage system busy.
- 05 - Request timeout.
- 06 - Storage (region) shortage.

Message ESWP001E | CGRS001E | FMMS001E | SCFS001E is displayed as a verbose level 3 message to indicate full diagnostics of the detected error condition. If all retries are exhausted, ESWP|CGRS|FMMS|SCFS001E is displayed as a non-verbose message to indicate the final detected error condition.

Action

None.

ESWP112E | CGRS112E | FMMS112E | SCFS112E

```
(rrrrr) (PID ppppp) R1 did not go TR,  
redrive xxxx of yyyy: symdv#/srdgrp - {NRDY|RDY}.
```

Cause

The processing to make the R1 Target Ready on the R2 mirror has failed and will be redriven. *symdv#/srdgrp* indicates the R2 PowerMax or VMAX device number, SRDF group and mirror status for the R1.

Action

If this occurs frequently, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESWP113I | CGRS113I | FMMS113I | SCFS113I

```
(rrrrr) (PID ppppp) R1=>R2 TNR prior to swap.
```

Cause

On a R1->R2 swap, the R2 is Target Not Ready (TNR) at the initiation of the swap processing. The swap can still be successfully completed if other validation checks complete successfully. If a backout is required, the R1 is left TNR on the R2 mirror.

Action

None.

ESWP114W | CGRS114W | FMMS114W | SCFS114W

```
(rrrrr) (PID ppppp) R2 did not go R/O, redrive xxxx of yyyy.
```

Cause

The processing to make the R2 Read Only has failed and will be redriven.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

ESWP115W | CGRS115W | FMMS115W | SCFS115W

```
(rrrrr) (PID ppppp) R2 did not go R/W, redrive xxxx of yyyy.
```

Cause

The processing to make the R2 Read Write has failed and will be redriven.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

ESWP116W | CGRS116W | FMMS116W | SCFS116W

```
(rrrrr) (PID ppppp) R1 did not go TNR,  
redrive xxxx of yyyy: symdv#/srdfgrp - {NRDY|RDY}  
[symdv#/srdfgrp - {NRDY|RDY}].
```

Cause

The processing to make the R1 Target Not Ready on the R2 mirror(s) has failed and will be redriven. *symdv#/srdfgrp* indicates the R2 PowerMax or VMAX device number, SRDF group and mirror status for the R1. For concurrent SRDF, up to 2 R2 status statements will be displayed.

Action

If this occurs frequently, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESWP117W | CGRS117W | FMMS117W | SCFS117W

```
(rrrrr) (PID ppppp) {R1|R2} did not go RDF-NRDY,  
redrive xxxx of yyyy.
```

Cause

An SRDF device (R1 or R2) did not go SRDF not ready and the request will be redriven. Additional messages may be issued to indicate the reason for the failure. If the number of redrives is exceeded, processing fails.

Action

If the number of redrives is exceeded or this occurs frequently, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation, including the SYSLOG and job log.

ESWP118W | CGRS118W | FMMS118W | SCFS118W

```
(rrrrr) (PID ppppp) {R1|R2} did not go RDF-RDY,  
redrive xxxx OF xxxx.
```

Cause

An SRDF device (R1 or R2) did not go SRDF ready and the request will be redriven. Additional messages may be issued to indicate the reason for the failure. If the number of redrives is exceeded, the processing will fail.

Action

If the number of redrives is exceeded or this occurs frequently, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation, including

the SYSLOG and job log.

ESWP119W | CGRS119W | FMMS119W | SCFS119W

```
(rrrrr) (PID ppppp) R2 did not go RDY, redrive xxxx of xxxx.
```

Cause

An R2 SRDF device did not go ready and the request will be redriven. Additional messages may be issued to indicate the reason for the failure. If the number of redrives is exceeded, the processing will fail.

Action

If the number of redrives is exceeded or this occurs frequently, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation, including the SYSLOG and job log.

ESWP120W | CGRS120W | FMMS120W | SCFS120W

```
(rrrrr) (PID ppppp) R2 did not go NRDY, redrive xxxx of xxxx.
```

Cause

An R2 SRDF device did not go not ready and the request will be redriven. Additional messages may be issued to indicate the reason for the failure. If the number of redrives is exceeded, processing fails.

Action

If the number of redrives is exceeded or if you receive this message frequently, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation, including the SYSLOG and job log.

ESWP121E | CGRS121E | FMMS121E | SCFS121E

```
Storage could not be obtained to process request.
```

Cause

Enough private area storage could not be obtained to process the request.

Action

Increase the AutoSwap region size.

ESWP122I | CGRS122I | FMMS122I | SCFS122I

```
Waiting to shutdown, requests still active: xxxx.
```

Cause

A stop operator command has been entered for AutoSwap. However, the indicated number of requests is still active. AutoSwap will shutdown when all requests have completed.

Action

If there are AutoSwap swap or validate processes currently running (not IDLE), an additional stop command may be entered to interrupt them for completion. However, this cannot be done where a swap is in progress for a cross system swap other than for the group owner.

ESWP123I | CGRS123I | FMMS123I | SCFS123I

```
ddname file parsed successfully.
```

Cause

The parameter file as indicated by the *ddname* DD was parsed successfully as a result of an initial AutoSwap start or from a SET PARMS operator command.

Action

None.

ESWP124I | CGRS124I | FMMS124I | SCFS124I

```
ddname DD not found, no requests to process.
```

Cause

The parameter file as indicated by the *ddname* DD was not supplied for AutoSwap processing.

Action

None.

ESWP125E | CGRS125E | FMMS125E | SCFS125E

```
EMCPARMS DD open failed RC xxxxxxxx.
```

Cause

The EMCPARMS file was supplied on the AutoSwap procedure, however it could not be opened.

Action

Verify that the EMCPARMS file is valid and for a PDS or LIBRARY that a valid member name has been specified. Restart AutoSwap.

ESWP126I | CGRS126I | FMMS126I | SCFS126I

```
Shutdown {normal|immediate} accepted from CN(console)
```

Cause

A STOP command has been entered on the indicated console. When the first STOP command is entered, this is a normal shutdown. Existing work is allowed to complete. On the issuance of a subsequent STOP command, this is converted to an immediate shutdown. This will result in some work being stopped prior to completion. If a swap is in progress, depending on its phase it could be backed out.

Action

None.

ESWP127E | CGRS127E | FMMS127E | SCFS127E

```
Cannot process request, AutoSwap is quiesced.
```

Cause

A stop command to shutdown AutoSwap has been previously entered and no new work is being accepted.

Action

None.

ESWP128E | CGRS128E | FMMS128E | SCFS128E

```
Internal error rrrrrrrr detected by mmmmmmmmm,  
xxxxxxx/yyyyyyy/zzzzzzzz.
```

Cause

An internal error has been detected. Additional diagnostic information is returned to

indicate the function (*rrrrrrr*), module (*mmmmmmmm*) and related error feedback data (*xxxxxxx/yyyyyyy/zzzzzzz*).

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

ESWP129E | CGRS129E | FMMS129E | SCFS129E

```
(rrrrr) Request IDENTIFY for mmmmmmm/aaaaaaaa failed xxxxxxx.
```

Cause

The indicated request routine service module (*mmmmmmmm/aaaaaaaa*) failed IDENTIFY with the indicated return code (*xxxxxxx*).

Action

Additional information pertaining to the IDENTIFY may be obtained in the IBM publication, MVS Service Assembler Reference. Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESWP130E | CGRS130E | FMMS130E | SCFS130E

```
(rrrrr) Request ATTACH for mmmmmmm/aaaaaaaa failed xxxxxxx.
```

Cause

The indicated request routine service module (*mmmmmmmm/aaaaaaaa*) failed ATTACH with the indicated return code (*xxxxxxx*).

Action

Additional information pertaining to the ATTACH may be obtained in the IBM publication, MVS Service Assembler Reference. Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESWP131I | CGRS131I | FMMS131I | SCFS131I

```
(rrrrr) rrrrrrr request completed with RC/RS xxxxxxx/yyyyyy.
```

Cause

The indicated request (*rrrrrrr*) completed with the return code (*xxxxxxx*) and reason code (*yyyyyyy*).

Action

If the return code is non-zero, additional messages will be displayed to indicate the reason for the warning (RC=4) or failure (RC>4). Verbose Level: 10

ESWP132E | CGRS132E | FMMS132E | SCFS132E

```
(rrrrr) (PID ppppp) Multiple configured 'TO' devices,  
RDFgrp/SymDV#/Ctrl#/CUU  
: srdfgrp/symdv#/symms/sccuu srdfgrp/symdv#/symms/sccuu
```

Cause

RDFGRP=CONFDEV was specified on the AutoSwap options to allow AutoSwap to select the required concurrent SRDF device. When CONFDEV is used, AutoSwap will select the

R2 device which is defined to the z/OS system (LPAR) and defined to SCF. However, more than one R2 was detected as being defined to this mainframe system.

Action

Either of the following:

- Change the RDFGRP specification on the AutoSwap options to the required SRDF group.
- Update SCF to EXCLUDE the device which AutoSwap is not to select and restart SCF, or issue the INI,REFRESH and DEV,REFRESH commands described in the *ResourcePak Base for z/OS Product Guide*.

ESWP133E | CGRS133E | FMMS133E | SCFS133E

```
(rrrrr) (PID ppppp) RDFGROUP must be specified for sccuu due  
concurrent RDF.
```

Cause

The indicated device has concurrent SRDF active. An SRDF group must be specified to identify which R2 AutoSwap to process.

Action

Update the AutoSwap options to specify the required SRDF group. If only one of the R2 devices is defined to the operating system, RDFGROUP=CONFDEV may be specified.

ESWP134E | CGRS134E | FMMS134E | SCFS134E

```
(rrrrr) (PID ppppp) Specified RDFGROUP srdfgrp, is not valid for  
'FROM' device sccuu.
```

Cause

The indicated device has concurrent SRDF active. An RDFGROUP was specified which is not valid for the device.

Action

Update the AutoSwap options to specify a valid RDFGROUP. If only one of the R2 devices is defined to the operating system, RDFGROUP=CONFDEV may be specified.

ESWP135I | CGRS135I | FMMS135I | SCFS135I

```
(rrrrr) (PID ppppp) 'FROM' CUU/UCB/volser sccuu/ucbaddr/volser,  
'TO' device will be obtained from EMCSCF.
```

Cause

AutoSwap is using SCF to resolve the TO device. The indicated volser for the FROM device is obtained directly from the UCB for this message. If the device is offline, *UNKN* is displayed.

Verbose Level: 1

Action

None.

ESWP136E | CGRS136E | FMMS136E | SCFS136E

```
(rrrrr) (PID ppppp) EMCSCF is not active, cannot determine device.
```

Cause

AutoSwap is attempting to resolve a device and SCF is not active.

Action

Start SCF. The *ResourcePak Base for z/OS Product Guide* provides details about starting SCF.

ESWP137E | CGRS137E | FMMS137E | SCFS137E

```
(rrrrr) (PID ppppp) EMCSCF cannot locate device UCB for  
{Sym|CCA}DV#/Ctrl#/SSID dev#/symms/ssid.
```

Cause

AutoSwap is attempting to resolve a device using SCF. However, the PowerMax or VMAX device number or CCA, storage system serial number and SSID is not defined. The swap cannot be performed.

Action

If the device is to be swapped and it is defined on this image (LPAR), specify the device in the INCLUDE list to SCF and restart SCF, or issue the SCF INI,REFRESH and DEV,REFRESH command.

If the device is located in a subchannel set other than 0 then ensure that the SCF.DEV.MULTSS=YES parameter is specified in the SCF initialization file, as described in the *ResourcePak Base for z/OS Product Guide* provides more information.

ESWP138E | CGRS138E | FMMS138E | SCFS138E

```
(rrrrr) (PID ppppp) EMCSCF internal  
error xxxxxxxx for xxx DV#/Ctrl#/SSID symdv#/symms/ssid.
```

Cause

An internal error has been detected in SCF.

Action

Examine the log, including the SCF log, to see if other messages have been produced to further explain the error.

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

If you cannot correct the problem, contact the Dell EMC Customer Support Center.

Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESWP139I | CGRS139I | FMMS139I | SCFS139I

```
(rrrrr) VALIDATE of group swapgrp already in progress, request  
ignored.
```

Cause

A VALIDATE has been requested for the indicated group. However the group is already being validated.

Action

If the group is to be revalidated, wait for the current validation to complete.

ESWP140I | CGRS140I | FMMS140I | SCFS140I

```
(rrrrr) SWAP of group swapgrp already in progress, request  
ignored.
```

Cause

A SWAP or VALIDATE has been requested for the indicated group. However the group is already being swapped.

Action

None.

ESWP141I | CGRS141I | FMMS141I | SCFS141I

```
(rrrrr) SWAP of group swapgrp is pending validation completion.
```

Cause

A SWAP has been requested for the indicated group. However, the group is currently being validated. The swap will commence after the validation is completed.

Action

None.

ESWP142I | CGRS142I | FMMS142I | SCFS142I

```
(rrrrr) Revalidation on SWAP of group swapgrp ignored, validation is currently in progress.
```

Cause

A swap with validation has been requested for the indicated group. However the group is currently being validated. The swap will commence after the validation is completed.

Action

None.

ESWP143E | CGRS143E | FMMS143E | SCFS143E

```
(rrrrr) VALIDATE of group swapgrp, ID seq# could not be done, task is busy.
```

Cause

A VALIDATE request could not be processed for the indicated group, as the swap manager task is busy.

Action

Reissue the command.

ESWP144E | CGRS144E | FMMS144E | SCFS144E

```
(rrrrr) No group swapgrp found for validate request.
```

Cause

A VALIDATE request could not be processed for the indicated group as the group is not defined.

Action

Use the DEFINE GROUP operator command to define the group or specify the VALIDATE command with a defined group again. Currently defined groups may be displayed using the DISPLAY GROUP * operator command.

ESWP145E | CGRS145E | FMMS145E | SCFS145E

```
(rrrrr) SWAP of group swapgrp, ID seq# could not be done, task is busy.
```

Cause

A SWAP request could not be processed for the indicated group, as the swap manager task is busy.

Action

Reissue the command.

ESWP146E | CGRS146E | FMMS146E | SCFS146E

(rrrrr) No group swapgrp found for SWAP request.

Cause

A SWAP request could not be processed for the indicated group as the group is not defined.

Action

Use the DEFINE GROUP operator command to define the group or specify the SWAP command with a defined group again. Currently defined groups may be displayed using the DISPLAY GROUP * operator command.

ESWP147E | CGRS147E | FMMS147E | SCFS147E

Group swapgrp, ID seq# has already been defined in the same request sequence.

Cause

A DEFINE GROUP request for the indicated group has already been processed previously in the current input EMCPARMS DD file.

Action

Remove the duplicate DEFINE and restart AutoSwap or issue the SET PARMS operator command to reread the EMCPARMS DD file.

ESWP148W | CGRS148W | FMMS148W | SCFS148W

Group swapgrp, ID seq# has already been defined and replace has not been specified.

Cause

A DEFINE GROUP request for the indicated group cannot replace an existing group definition unless REPLACE is also specified.

Action

If the new DEFINE is to replace an existing group definition, specify REPLACE.

ESWP149W | CGRS149W | FMMS149W | SCFS149W

Group swapgrp, ID seq# cannot be replaced as it is active.

Cause

A DEFINE GROUP request for the indicated group cannot replace an existing group definition as the group is active.

Action

If the new DEFINE is to replace an existing group definition, DELETE the current group and reissue the DEFINE command.

ESWP150E | CGRS150E | FMMS150E | SCFS150E

command request has been accepted with ID seq#.

Cause

The indicated request has been accepted for processing with the request sequence number ID. Any subsequent messages relating to this request will be appended with the ID. Verbose Level: 10

Action

None.

ESWP151I | CGRS151I | FMMS151I | SCFS151I

```
(rrrrr) Group swapgrp, ID seq# has been scheduled for validation.
```

Cause

The indicated group has been scheduled for validation.

Action

None.

ESWP152I | CGRS152I | FMMS152I | SCFS152I

```
(rrrrr) Group swapgrp, ID seq# has been scheduled for SWAP.
```

Cause

The indicated group has been scheduled for swap.

Action

None.

ESWP153W | CGRS153W | FMMS153W | SCFS153W

```
(rrrrr) Group swapgrp, volser volser could not be found.
```

Cause

A specific volser has been specified in the indicated group DEFINE INCLUDE list. However, the volser cannot be located.

Action

Specify a valid specific volser or use masking to define the volser.

ESWP154E | CGRS154E | FMMS154E | SCFS154E

```
(rrrrr) No group swapgrp found for delete request.
```

Cause

A DELETE request could not be processed for the indicated group as the group is not defined.

Action

Specify the DELETE command with a defined group. Currently defined groups may be displayed using the DISPLAY GROUP * operator command.

ESWP155I | CGRS155I | FMMS155I | SCFS155I

```
(rrrrr) The following have been scheduled for termination:
```

```
Group      ID      Status
-----  -
swapgrp  seq#  status
Total processed :count
```

Cause

A DELETE request for the indicated groups has been scheduled. For valid status values, see message ESWP162I | CGRS162I | FMMS162I | SCFS162I. The summary line shows the total number of processed groups.

Action

None.

ESWP156E | CGRS156E | FMMS156E | SCFS156E

SET PARMS command is not allowed within the EMCPARMS file.

Cause

A SET PARMS request has been specified in the EMCPARMS DD file. This command is not valid in this file.

Action

Remove the SET PARMS request and restart AutoSwap or issue the SET PARMS as an operator command.

ESWP157E | CGRS157E | FMMS157E | SCFS157E

Group *swapgrp* include CUU range not valid: ERR: *ccuu-ccuu* Low CUU > High CUU...

Cause

The indicated DEFINE GROUP INCLUDE specification of device ranges is not valid. Each device range in error is indicated by the ERR line. The low device in the range cannot be greater than the high device.

Action

Change the device range to be valid.

ESWP158E | CGRS158E | FMMS158E | SCFS158E

Group *swapgrp* exclude CUU range not valid.

Cause

The indicated DEFINE GROUP EXCLUDE specification of device ranges is not valid. Each device range in error is indicated by the ERR line. The low device in the range cannot be greater than the high device.

Action

Change the device range to be valid.

ESWP159I | CGRS159I | FMMS159I | SCFS159I

(rrrrr) Re-processing of EMCPARMS has been scheduled.

Cause

A SET PARMS operator command has been accepted. The actual processing of the parameters is done asynchronously to the request.

Action

None.

ESWP160E | CGRS160E | FMMS160E | SCFS160E

(rrrrr) EMCPARMS re-processing has already been scheduled.

Cause

A SET PARMS operator command has been entered; however, a current SET PARMS request has already been accepted and scheduled.

Action

If a subsequent SET PARMS is required, reissue the command.

ESWP161E | CGRS161E | FMMS161E | SCFS161E

EMCPARMS processing failed, *count* requests rejected in request sequence.

Cause

An error has occurred during the processing of the CONFIGCA DD. Additional messages are produced to indicate the reason for the failure. All requests up to the failing request are not processed and are rejected.

Action

Examine other messages that indicate the reason for the failure and update CONFIGCA DD file. Restart AutoSwap or issue the SET PARMS operator command.

ESWP162I | CGRS162I | FMMS162I | SCFS162I

```
(rrrrr) [continued, part(nn)]
Group      ID      Owning System Host      Defined      Status
          Name      Identifier      MM/DD/YY HH:MM:SS
-----
gggggggg xxxxx  hhhh xxxxxxxxxxxxxxxxxxxx mm/dd/yy hh:mm:ss ssssssss
aaaa
          [oooooooooooooooooooo]
...
[More ...]
Groups Matched      :  t1
[Line count too small. No groups displayed.]
```

Cause

This message is output as a result of a DISPLAY GROUP command. See the *AutoSwap for z/OS Product Guide* for a description of fields in this report.

Where the number of lines is limited by a specified, or defaulted, line count, the *More ...* indicator is displayed. If the specified, or defaulted, line count value is smaller than the minimum number of lines required to produce coherent output, the *Line count is too small. No groups displayed* line is displayed.

continued, part(nn) shows the part number of the message where the message is output in multiple messages. If the complete message cannot be output in a single MLWTO then the message will be output in multiple parts. The part number is not displayed on the first part.

oooooooooooooooooooo is the group owner. This is set to indicate the definition owner of the group where the group was internally defined by another software product.

Action

None.

ESWP163I | CGRS163I | FMMS163I | SCFS163I

```
(rrrrr) [continued, part(nn)]
[AutoSwap Default Options:]
[Group:gggggggg, ID:rrrrr, AutoSwap options:]
  AllowCoupleDataSets|NoAllowCoupleDataSets
  AllowConcurrentCopy|NoAllowConcurrentCopy
  AllowOnlineToDevice|NoAllowOnlineToDevice
  AllowSnapSession|NoAllowSnapSession
  AllowSystemsCountMismatch|NoAllowSystemsCountMismatch
  CFW=No|Off|Resume|Ignore|Allow|OffValidation
  ChangeSourceDevice=NRDY|NoNRDY|NRDYAfter [<- Forced by
VolumePrefix]
          VolumePrefix=vv|NoVolumePrefix
[Force=[LostSystem]
[NoLink]]
```

```

[LostOwnerPolicy Onswap=
None|Backout|HoldIO|Operator|SystemReset(xwaitcode)]
MAXRC=xxxxxxxxx
[MessagePrefix=mmmm]
Prevalidate|NoPrevalidate
ProcessCount=ppp
QuiesceTimeout=MIH|qqqqq sec.
Retain[=SwapCmplt]|NoRetain
RouteMessageToOwner=ALL|WARN|ERROR| NoRouteMessageToOwner
SwapControl=ByDevice|ByRange|ByGroup
SwapImmediate|NoSwapImmediate
[UnplannedConditions=[InterventionRequired][NoPaths]]
[UnplannedOptions=FBAUserNrdy]
[ValidateInterval=wwwwwww sec.]
[VolserCheck|NoVolserCheck]
[CrossSystemTimeout=yyyyyyyyy sec.]
Global Options:
Debug|NoDebug
Verbose level vvv|NoVerbose
Trace EID x'eee', FID x'ff' (AMDUSRff)[, SCF]|NoTrace
AutoSwap Startup Parameters:
SUBname=ssss
[More ]
Groups Matched      : t1
[Line count too small. No groups displayed.]

```

Cause

This message shows the AutoSwap Options report described in the *AutoSwap for z/OS Product Guide*. The SOPT values are additionally displayed when a SET SOPT command is used, and when a SWAP or VALIDATE request is processed.

Where the number of lines is limited by a specified, or defaulted, line count, the `More` indicator is displayed. If the specified, or defaulted, line count value is smaller than the minimum number of lines required to produce coherent output, the `Line count too small. No groups displayed` line is displayed.

`continued, part(nn)` shows the part number of the message where the message is output in multiple messages. If the complete message cannot be output in a single MLWTO then the message will be output in multiple parts. The part number is not displayed on the first part.

Action

None.

ESWP164E | CGRS164E | FMMS164E | SCFS164E

```
(rrrrr) No group swapgrp found for DISPLAY request.
```

Cause

A DISPLAY request could not be processed for the indicated group as the group is not defined.

Action

Reenter the command with a valid group name. All currently defined groups may be displayed using the DISPLAY GROUP * operator command.

ESWP166I | CGRS166I | FMMS166I | SCFS166I

```
(rrrrr) DEBUG has been activated.
```

Cause

A SET DEBUG command was entered. Debug output will now be produced by AutoSwap.

Note that a large amount of output could be generated by this option. Only use SET DEBUG on instruction from Dell EMC Customer Support.

Action

None.

ESWP167I | CGRS167I | FMMS167I | SCFS167I

```
(rrrrr) DEBUG already inactive.
```

Cause

A SET NODEBUG command was entered. However, NODEBUG is already set. You can display the current global options using the DISPLAY GOPT command.

Action

None.

ESWP168I | CGRS168I | FMMS168I | SCFS168I

```
(rrrrr) DEBUG is now inactive.
```

Cause

A SET NODEBUG command was entered. Debug output will no longer produced by AutoSwap.

Action

None.

ESWP169I | CGRS169I | FMMS169I | SCFS169I

```
(rrrrr) Group swapgrp has replaced ID seq#
```

Cause

A DEFINE GROUP *swapgrp* REPLACE command was entered. The group indicated by ID *seq#* has been terminated as it was the same name.

Action

If the group was not to be terminated and replaced, the REPLACE option should not be specified.

ESWP170I | CGRS170I | FMMS170I | SCFS170I

```
(rrrrr) Group swapgrp has been defined successfully  
text
```

Cause

A DEFINE GROUP command or swap request was processed. Additional text in one of the following formats may display to provide more information:

- Internal request from host *host* (*host-id*), via *ctrl# symms*. - A cross system request has been received from the host to define this group. Communication from this host was through the indicated storage system. This would normally be the storage system of a TO device contained in the group. Additional processing for this group will be from that host.
- An immediate swap has been initiated. - SWAPIMMEDIATE was specified for the group.
- Swap has been scheduled to follow pre-validation. - SWAPIMMEDIATE with PREVALIDATE was specified for the group. When the

validation completes (successfully according to the MAXRC specification), the swap will be performed.

- Pre-validation has been initiated. - PREVALIDATE was specified for the group.

Action

None.

ESWP171I | CGRS171I | FMMS171I | SCFS171I

```
(rrrrr) CAPS already active.
```

Cause

A SET CAPS command was entered, however CAPS is already set.

Action

None.

ESWP172I | CGRS172I | FMMS172I | SCFS172I

```
(rrrrr) CAPS has been activated.
```

Cause

A SET CAPS command was entered. All messages will be converted to uppercase. To deactivate this option, specify SET NOCAPS.

Action

None.

ESWP173I | CGRS173I | FMMS173I | SCFS173I

```
(rrrrr) CAPS already inactive.
```

Cause

A SET NOCAPS command was entered; however, NOCAPS is already set.

Action

None.

ESWP174I | CGRS174I | FMMS174I | SCFS174I

```
(rrrrr) CAPS is now inactive.
```

Cause

A SET NOCAPS command was entered. All messages will be mixed case. To activate capitalization, specify SET CAPS.

Action

None.

ESWP175I | CGRS175I | FMMS175I | SCFS175I

```
AutoSwap Initialization complete.
```

Cause

AutoSwap has initialized successfully.

Action

None.

ESWP176W | CGRS176W | FMMS176W | SCFS176W

```
AutoSwap cannot initialize with EMCSCF Cross System Communication,  
EMCSCF is not active.
```

Cause

AutoSwap has is attempting to initialize with the SCF Cross System Communication (CSC) component; however, SCF is not active. SCF must be active to enable AutoSwap to swap shared devices. AutoSwap automatically detects the startup of SCF and establishes a 'listener' with the CSC.

Action

Start SCF. The *ResourcePak Base for z/OS Product Guide* describes the procedure for starting SCF and enabling the CSC.

ESWP177E | CGRS177E | FMMS177E | SCFS177E

```
AutoSwap cannot initialize with EMCSCF Cross System Communication,  
another AutoSwap is using the same EMCSCF on this host.
```

Cause

AutoSwap is attempting to initialize with the SCF Cross System Communication (CSC) component; however, another AutoSwap has already established a listener with the CSC.

Action

Issue the SCF command CSC,DISPLAY,LISTEN to determine if the AutoSwap using the CSC is still active. If a previous occurrence of AutoSwap has not correctly cleaned up, SCF must be restarted.

If multiple copies of AutoSwap are to be run on the same system, additional SCF servers must be started. Use the SCF\$nnnnspecification on the AutoSwap PROC to relate AutoSwap to this SCF server.

The *ResourcePak Base for z/OS Product Guide* describes EMCSCF and CSC.

ESWP178E | CGRS178E | FMMS178E | SCFS178E

```
AutoSwap cannot be initialized, EMCSCF failed RC/RS  
xxxxxxxx/xxxxxxxx.
```

Cause

An internal error has been detected in SCF.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

ESWP179I | CGRS179I | FMMS179I | SCFS179I

```
(rrrrr) (PID ppppp) {SWAP|VALIDATE} scheduled  
'FROM'/'TO' from_device/to_device from host host (host-id)
```

Cause

A SWAP or VALIDATE request has been scheduled from the indicated host for the indicated FROM and TO device pair.

The FROM and TO devices are displayed as *sccuu* or (when the CUU cannot be located) as *symms,symdv#*, with 2 leading digits of the device number suppressed when zero.

Verbose Level: 1

Action

None.

ESWP180E | CGRS180E | FMMS180E | SCFS180E

```
(rrrrr) (PID ppppp) EMCSCF is not active, cannot respond to  
host host (host-id).
```

Cause

A SWAP or VALIDATE request has been scheduled from the indicated host, however a response to that host cannot be communicated as SCF is no longer active.

Action

Restart SCF.

ESWP181E | CGRS181E | FMMS181E | SCFS181E

```
(rrrrr) (PID ppppp) error responding to host host (host-id),  
[explanation] | [RC/RS xxxxxxxx/yyyyyyyy].
```

Cause

A SWAP or VALIDATE request has been scheduled from the indicated host; however, a response to that host cannot be communicated as SCF has failed as per the explanation or with the indicated return code (xxxxxxx) and reason (yyyyyyyy) if this is an internal error. Explanations may be as follows:

- No CSC gatekeeper - The SCF CSC component has no access to perform communication. A gatekeeper is required to perform this communication. Examine the SCF job log and z/OS SYSLOG to determine why the CSC component has no gatekeeper access. See the *ResourcePak Base for z/OS Product Guide* for details on defining CSC gatekeepers.
- CSC not supported - The CSC component is not supported on the currently executing version of SCF. Ensure that SCF is at level 5.4 or later.
- Listener already active - AutoSwap is already active on this host.
- Request no longer valid - A previously messaged request with the CSC component is no longer valid. Either the request has timed out or SCF was restarted.
- EMCSCF is not active - SCF must be active for AutoSwap processing. Start SCF.
- CSC is not active - The SCF CSC component must be active for AutoSwap processing. The *ResourcePak Base for z/OS Product Guide* provides more details about activating the CSC component.

Action

Check to see if SCF is active. If it is active, check to see if there are any additional messages produced by SCF or the CSC component in the SCF job log or the z/OS SYSLOG to describe the reason for the failure. The CSC,DISPLAY HOSTS command may be issued to ensure that the CSC component is active.

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESWP182E | CGRS182E | FMMS182E | SCFS182E

```
(rrrrr) (PID ppppp) EMCSCF is not active.
```

Cause

A SWAP or VALIDATE request cannot be properly completed as SCF is not active.

Action

Restart SCF. Follow the instructions in the *ResourcePak Base for z/OS Product Guide*.

ESWP183E | CGRS183E | FMMS183E | SCFS183E

```
(rrrrr) (PID ppppp) EMCSCF CSC RETRIEVE error, [explanation] | [RC/RS
xxxxxxxx/yyyyyyyyy] .
```

Cause

An internal error has occurred with the SCF Cross System Communication (CSC) component. Message ESWP181E | CGRS181E | FMMS181E | SCFS181E provides details about the explanations returned by this message.

Action

Check to see if SCF is active. If it is active, check to see if there are any additional messages produced by SCF or the CSC component in the SCF job log or the z/OS SYSLOG to describe the reason for the failure. The CSC,DISPLAY HOSTS command may be issued to ensure that the CSC component is active. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESWP184E | CGRS184E | FMMS184E | SCFS184E

```
(rrrrr) (PID ppppp) EMCSCF CSC SIGNAL
error, cntrl# symms [explanation] | [RC/RS xxxxxxxx/yyyyyyyyy] .
```

Cause

An error has occurred with the SCF Cross System Communication (CSC) component through the indicated storage system. Message ESWP181E | CGRS181E | FMMS181E | SCFS181E provides details on explanations returned by this message.

Action

Ensure that the CSC has a gatekeeper available on the indicated storage system. This may be verified using the CSC,DISPLAY HOSTS CNTRL command.
Check to see if SCF is active. If it is active, check to see whether there are any additional messages produced by SCF or the CSC component in the SCF job log or the z/OS SYSLOG to describe the reason for the failure. The CSC,DISPLAY HOSTS command may be issued to ensure that the CSC is active. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESWP185E | CGRS185E | FMMS185E | SCFS185E

```
(rrrrr) (PID ppppp) EMCSCF CSC error during checkpoint processing,
[cntrl# symms] [explanation] | [RC/RS xxxxxxxx/yyyyyyyyy] .
```

Cause

An error has occurred with the SCF Cross System Communication (CSC) component. If a storage system serial number is displayed, the error was through this storage system. Message ESWP181E | CGRS181E | FMMS181E | SCFS181E provides details about the explanations returned by this message.

Action

Ensure that the CSC has a gatekeeper available on the indicated storage system. This may be verified using the CSC,DISPLAY HOSTS CNTRL command.

Check to see whether SCF is active. If it is active, check to see whether there are any additional messages produced by SCF or the CSC component in the SCF job log or the z/OS SYSLOG to describe the reason for the failure. The CSC,DISPLAY HOSTS command may be issued to ensure that the CSC is active. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESWP186E | CGRS186E | FMMS186E | SCFS186E

```
(rrrrr) (PID ppppp) Checkpoint nn error, release received before synch.
```

Cause

An internal error has occurred between AutoSwap hosts during a cross system swap. AutoSwap will back out the swap if the error cannot be resolved automatically.

Action

Check other messages to determine whether AutoSwap has resolved the problem. If not, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESWP187W | CGRS187W | FMMS187W | SCFS187W

```
(rrrrr) (PID ppppp) Checkpoint nn waiting for {synch|release} request from host(host-id) for count secs.
```

Cause

Checkpoint processing is being delayed as no response has been received from the indicated host.

Action

Examine the log on the host to determine the reason for the delay. If the delay exceeds the time threshold for cross system swapping, a backout will be initiated.

ESWP188E | CGRS188E | FMMS188E | SCFS188E

```
(rrrrr) (PID ppppp) Checkpoint nn CrossSystemTimeout of sssssss secs exceeded waiting for host(host-id).
```

Cause

Checkpoint processing was delayed beyond the cross system timeout threshold (sssssss). The indicated owner host did not respond in this period of time. The swap processing will instigate the Lost Owner Policy set for this host.

Action

Examine the log on the owner host to determine the reason for the delay failure. Where a large number of R2 to R1 devices is being swapped, the CrossSystemTimeout value may need to be increased.

Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESWP189E | CGRS189E | FMMS189E | SCFS189E

```
(rrrrr) (PID ppppp) Checkpoint nn system count mismatch, expecting
```

```
xxxx, got yyyy.
```

Cause

The number of systems expecting to respond for a swap checkpoint did not match the required value. The swap fails and is backed out.

Action

Examine the log to determine the reason for the failure. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESWP190E | CGRS190E | FMMS190E | SCFS190E

```
AutoSwap cannot perform Cross System Communication, EMCSCF is not active.
```

Cause

AutoSwap has attempted to initialize with the SCF Cross System Communication (CSC) component, however SCF is not active. SCF must be active to enable AutoSwap to swap shared devices. AutoSwap automatically detects the startup of SCF and establishes a listener with the CSC.

Action

Start SCF. The *ResourcePak Base for z/OS Product Guide* describes the procedure for starting SCF and enabling CSC.

ESWP191E | CGRS191E | FMMS191E | SCFS191E

```
EMCSCF CSC RETRIEVE error RC/RS xxxxxxxx/xxxxxxx.
```

Cause

An internal error has occurred with the SCF Cross System Communication (CSC) component.

Action

Check to see whether SCF is active. If it is active, check to see whether there are any additional messages produced by SCF to describe the reason for the failure. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESWP192E | CGRS192E | FMMS192E | SCFS192E

```
(rrrrr) (PID ppppp) Checkpoint nn sequence error while waiting for {synch|release}, got checkpoint mm.
```

Cause

An internal error has occurred between AutoSwap hosts during a cross system swap. AutoSwap will back out the swap if the error cannot be resolved automatically.

Action

Check other messages to determine whether AutoSwap has resolved the problem. Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESWP193E | CGRS193E | FMMS193E | SCFS193E

```
(rrrrr) (PID ppppp) SWAP processing backout requested during
```

```
checkpoint processing.
```

Cause

An error has occurred during the cross system swap.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESWP194E | CGRS194E | FMMS194E | SCFS194E

```
(rrrrr) (PID ppppp) Checkpoint nn validation errors for hosts:  
text
```

Cause

An error has occurred during the cross system swap. A list of hosts is displayed along with the error that was detected. Each line identifies the host and the CSC-assigned host ID. The following is a list of the errors that may be displayed:

- *host (host-id) : Error, ConGroup not active - A ConGroup interaction error has occurred on this host. AutoSwap cannot locate ConGroup in order to perform query processing.*
- *host (host-id) : Error, device invalid (cc) - An invalid device was detected by this host. Additional messages are produced on the host to indicate the reason for the failure. A diagnostic reason code (cc) is added to the message for Dell EMC error diagnosis.*
- *host (host-id) : Error, duplicate group name defined - A duplicate group is defined for this host. Group names must be unique.*
- *host (host-id) : Error, group marked invalid - During a planned swap event the indicated host has found an error with the group such that it has marked swap processing as not valid. AutoSwap processing does not continue swap processing when this condition occurs.*
- *host (host-id) : Error, group not defined for planned swap - A planned swap event was requested, however the group was not defined on this host. A group revalidation must be performed by the owner host to allow the group to be defined.*
- *host (host-id) : Error, group not owned by us - A duplicate group is defined for this host and is owned by another AutoSwap host. Group names must be unique.*
- *host (host-id) : Error, invalid with ConGroup - A ConGroup error was detected on this host.*
- *host (host-id) : Error, precluded by ConGroup - During a planned or unplanned swap event when using a ConGroup defined CAX group, a ConGroup event (probably a trip) occurred which has precluded the swap event. In this case ConGroup detected a write to an R1 which did not get replicated to the R2 due to a link failure. AutoSwap processing does not continue swap processing when this condition occurs.*
- *host (host-id) : Error, processing not active - During a planned*

swap event, the indicated host is not processing a swap of the group. This could be due to an internal or communication error. AutoSwap processing does not continue swap processing when this condition occurs.

- *host (host-id) : Error, same device swap active outside group -* A swap for this device is already being processed from another group. This might be in this AutoSwap or another AutoSwap on this host.
- *host (host-id) : Error, VALIDATE still in progress -* During a planned swap event, the indicated host is still processing a validation of the group at the time the first checkpoint. AutoSwap processing does not continue swap processing when this condition occurs.
- *host (host-id) : Error, VOLSER mismatch -* A volume serial mismatch was detected. Refer to message ESWP023E | CGRS023E | FMMS023E | SCFS023E on the host indicated to determine the device in error.

Action

Check other messages on the indicated hosts to determine the reason for the failure. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. failure cannot be determined, call the Dell EMC Customer Service Support Center for assistance.

ESWP195I | CGRS195I | FMMS195I | SCFS195I

```
(rrrrr) (PID ppppp) Cross system host status :  
text
```

Cause

This message is produced as a result of VERBOSE or generated to describe additional information for an error or warning message. Each line identifies the host and the CSC-assigned host ID.

The following is a list of errors that may be displayed:

- *host (host-id) : [*]Device valid, explanation -* The device is valid on the host. An '*' is indicated where one or more AutoSwap on the same host is also processing the same device or group. Only one of these will perform the actual swap of the device(s). Further information is supplied by *explanation*:
 - RS xx - Processing completed successfully. RS xx indicates additional diagnostic information.
 - high priority swap device - Processing completed successfully for a high priority swap device.
 - paging device - Processing completed successfully for a paging device as part of a z/OS Migrator migration.
 - cannot access all controllers - Processing completed successfully; however, the host does not have access to all storage systems in the AutoSwap group.
 - lost access to 'FROM' device - Processing completed successfully; however, access to the FROM device cannot be established. This could indicate that the storage system has lost channel connectivity or the FROM device has become boxed.

- *host (host-id) : Error, ConGroup not active - A ConGroup interaction error has occurred on this host. AutoSwap cannot locate a congroup in order to perform query processing.*
- *host (host-id) : Error, device invalid (cc) - An invalid device was detected by this host. Additional messages are produced on the host to indicate the reason for the failure. A diagnostic reason code (cc) is added to the message for Dell EMC error diagnosis.*
- *host (host-id) : Error, duplicate group name defined - A duplicate group is defined for this host. Group names must be unique.*
- *host (host-id) : Error, group marked invalid - During a planned swap event the indicated host has found an error with the group such that it has marked swap processing as not valid. AutoSwap processing does not continue swap processing when this condition occurs.*
- *host (host-id) : Error, group not defined for planned swap - A planned swap event was requested, however the group was not defined on this host. A group revalidation must be performed by the owner host to allow the group to be defined.*
- *host (host-id) : Error, group not owned by us - A duplicate group is defined for this host and is owned by another AutoSwap host. Group names must be unique.*
- *host (host-id) : Error, invalid with ConGroup - A ConGroup error was detected on this host.*
- *host (host-id) : Error, precluded by ConGroup - During a planned or unplanned swap event when using a ConGroup defined CAX group, a ConGroup event (probably a trip) occurred which has precluded the swap event. In this case ConGroup detected a write to an R1 which did not get replicated to the R2 due to a link failure. AutoSwap processing does not continue swap processing when this condition occurs.*
- *host (host-id) : Error, processing not active - During a planned swap event, the indicated host is not processing a swap of the group. This could be due to an internal or communication error. AutoSwap processing does not continue swap processing when this condition occurs.*
- *host (host-id) : Error, same device swap active outside group - A swap for this device is already being processed from another group. This might be in this AutoSwap or another AutoSwap on this host.*
- *host (host-id) : Error, VALIDATE still in progress - During a planned swap event, the indicated host is still processing a validation of the group at the time the first checkpoint. AutoSwap processing does not continue swap processing when this condition occurs.*
- *host (host-id) : Error, VOLSER mismatch - A volume serial mismatch was detected. Refer to message ESWP023E | CGRS023E | FMMS023E | SCFS023E on the host indicated to determine the device in error.*
- *host (host-id) : RESERVE held on 'FROM' device - The device is valid*

- on the host. In addition, a reserve is also held by this host for the 'FROM' device.
- *host (host-id) : RESERVE transferred - The device is valid on the host. In addition, a reserve which was on the device for this host was transferred to the 'TO' device.*
- *host (host-id) : Warning, AutoSwap not active - SCF and the Cross System Communication are active on the host, however AutoSwap is not active. If another AutoSwap is active on the same host then this can be ignored. However, if a cross system swap is to be performed then AutoSwap should be active on all hosts.*
- *host (host-id) : Warning, 'FROM' device is not defined - The FROM device is not defined on the host. Either no UCB is defined for the device or SCF has the device EXCLUDEd. The swap will not be performed on the host.*
- *host (host-id) : Warning, 'FROM' device is offline (bypassed) - The FROM device is not online on the host. The BYPASSOFFLINE keyword was specified on the AutoSwap options. The swap will not be performed on the host.*
- *host (host-id) : Warning, 'FROM' device outline not defined - The FROM device appears to have an online path group defined for the host; however, the z/OS device number (CCUU) could not be resolved. Message ESWP585E | CGRS585E | FMMS585E | SCFS585E is issued for the device on the indicated host.*
- *host (host-id) : Warning, 'FROM' device swap already done - The device swap has already been performed on the host. No more swap processing will be performed for the host.*
- *host (host-id) : Warning, 'FROM' same device swap active in group - Another AutoSwap swap is currently being performed for the same device on another AutoSwap on this host. The swap will be performed by the other AutoSwap.*
- *host (host-id) : Warning, request could not complete - The indicated host could not complete the request. The SCF Cross System Communication component has detected that the host is no longer valid. Additional messages will have been produced by SCF. If the host was required for a swap then the swap will fail and will backout.*
- *host (host-id) : Request not completed - The request has not yet been completed by the host. After the request is complete then the next part of the processing can continue.*
- *host (host-id) : Warning, request RC/RS, xx/yy - A return code has been returned by the SCF Cross System Communication component that cannot be determined. If the host was required for a swap then the swap will fail and will backout.*
- *host (host-id) : Warning, request timed out - A timeout has occurred during Cross System Communication. If the host was required for a swap then the swap will fail and will backout.*
- *(--xxxxxxxxxxx----) : Path group warning, prior condition - A path group is defined for the FROM device indicating that the device is online. However,*

the host cannot be identified or a prior condition occurred such that the device was not processed on that host. The host ID here is interpreted as follows: `ccxxxxxxx` where, `cc`=CPU address or LPAR identifier (when in LPAR mode) and `xxxxxxx` = machine type (model number). This message indicates that a prior condition for the host (also in this message output) resulted in the device not being processed. The host may be located by the SMFID (*host*). Refer to prior host entries in this output to determine the reason.

- `???? (--xxxxxxxxxxx----`) : Path group warning, AutoSwap not found - A path group is defined for the FROM device indicating that the device is online. However, the host cannot be identified or a prior condition occurred such that the device was not processed on that host. The host ID here is interpreted as follows: `ccxxxxxxx` where, `cc`=CPU address or LPAR identifier (when in LPAR mode) and `xxxxxxx` = machine type (model number). This message indicates that SCF and the Cross System Communication component are not active on this host.
- `host (--xxxxxxxxxxx----`) : Path group warning, owner host - A path group is defined for the FROM device indicating that the device is online. However, the host cannot be identified or a prior condition occurred such that the device was not processed on that host. The host ID here is interpreted as follows: `ccxxxxxxx` where, `cc`=CPU address or LPAR identifier (when in LPAR mode) and `xxxxxxx` = machine type (model number). This message indicates that a path group warning has occurred on the group owner host. Prior messages are issued to indicate this condition.

Verbose Level: 3 for informational message processing. If an associated error or warning condition is displayed, then this message is not verbosed.

Action

Check other messages to determine if any additional action is required. See ESWP578W | CGRS578W | FMMS578W | SCFS578W.

ESWP196W | CGRS196W | FMMS196W | SCFS196W

```
(rrrrr) (PID ppppp) {SWAP|VALIDATE} waiting xxxx secs for hosts.
```

Cause

Hosts have not responded to a VALIDATE or SWAP request. See message ESWP195I | CGRS195I | FMMS195I | SCFS195I for possible formats following this message.

Action

Check other messages to determine whether any additional action is required. If the hosts that have not responded in a time that exceeds the cross system timeout period, the swap will backout.

ESWP197W | CGRS197W | FMMS197W | SCFS197W

```
(rrrrr) (PID ppppp) Checkpoint nn waiting xxxx secs for hosts.
```

Cause

Hosts have not responded to a checkpoint request during swap processing. Message ESWP195I | CGRS195I | FMMS195I | SCFS195I describes the possible formats following this message.

Action

Check other messages to determine whether any additional action is required. If the hosts that have not responded exceed the cross system timeout period, the swap will backout.

ESWP198I | CGRS198I | FMMS198I | SCFS198I

```
(rrrrr) (PID ppppp) Phase zz, cross system swap notification.
```

Cause

AutoSwap is performing the cross system SWAP notification as part of the indicated phase (zz). If this is the group owner and the PID represents a shared device, other hosts are involved in the processing.

Verbose level: 2

Action

None.

ESWP199I | CGRS199I | FMMS199I | SCFS199I

```
Cross system group swapgrp, ID seq# has been scheduled for termination by host host (host-id).
```

Cause

The group owner host has scheduled termination of the group. Either validation or swap processing has completed, AutoSwap has shutdown on the host or the group has been deleted.

Action

None.

ESWP200E | CGRS200E | FMMS200E | SCFS200E

```
(rrrrr) Could not obtain storage for device buffer.
```

Cause

An internal device table could not be obtained due to a private region shortage.

Action

Specify a larger REGION and restart AutoSwap.

ESWP201E | CGRS201E | FMMS201E | SCFS201E

```
(rrrrr) Group swapgrp, ID seq# is owned by host host (host-id), CrossSystem must be specified.
```

Cause

A swap request was entered for a group owned by another host.

Action

If the processing is to be performed by this host, specify the Cross System (XSYS) option on the SWAP command.

ESWP202E | CGRS202E | FMMS202E | SCFS202E

```
(rrrrr) Group swapgrp, ID seq# CrossSystem SWAP cannot be performed, EMCSCF is not active.
```

Cause

A swap or validation request was entered for a group owned by another host and the CROSSSYSTEM option was specified. However, SCF is not active.

Action

Start SCF, as described in the *ResourcePak Base for z/OS Product Guide*.

ESWP203E | CGRS203E | FMMS203E | SCFS203E

```
(rrrrr) Group swapgrp, ID seq# CrossSystem SWAP cannot be performed, EMCSCF CSC RC/RS xxxxxxxx/yyyyyyyy.
```

Cause

An internal error has occurred with the SCF Cross System Communication (CSC) component when a CROSSSYSTEM swap was requested.

Action

Check to see whether SCF and the CSC component is active. If it is active, check to see whether there are any additional messages produced by SCF to describe the reason for the failure. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine the cause of the failure, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation, including the SYSLOG and job log.

ESWP204E | CGRS204E | FMMS204E | SCFS204E

```
(rrrrr) Group swapgrp, ID seq# SWAP scheduled to owning host host (host-id).
```

Cause

A cross system swap has been requested and scheduled to the owning host.

Action

None.

ESWP205I | CGRS205I | FMMS205I | SCFS205I

```
(rrrrr) VERBOSE level xxx already active.
```

Cause

A SET VERBOSE command was entered, however VERBOSE for the indicated level is already set. The current global options can be displayed using the DISPLAY GOPT command.

Action

None.

ESWP206I | CGRS206I | FMMS206I | SCFS206I

```
(rrrrr) VERBOSE level xxx has been activated.
```

Cause

A SET VERBOSE command was entered. VERBOSE is now active. Large amounts of output could be produced depending on the verbose level selected.

Action

None.

ESWP207I | CGRS207I | FMMS207I | SCFS207I

```
(rrrrr) VERBOSE already inactive.
```

Cause

A SET NOVERBOSE command was entered; however, NOVERBOSE is already set. The current global options can be displayed using the DISPLAY GOPT command.

Action

None.

ESWP208I | CGRS208I | FMMS208I | SCFS208I

```
(rrrrr) VERBOSE is now inactive.
```

Cause

A SET NOVERBOSE command was entered. VERBOSE messages will no longer be written.

Action

None.

ESWP209W | CGRS209W | FMMS209W | SCFS209W

```
(rrrrr) (PID ppppp) EMCSCF cannot locate 'FROM' device UCB for  
{Sym|CCA}DV#/Ctrl#/SSID dev#/symms/ssid for a cross system  
request.
```

Cause

A device cannot be resolved for the indicated PowerMax or VMAX device number or CCA on the indicated storage system and SSID. The device cannot be processed by this AutoSwap.

Action

If the device cannot be located because it is in the SCF EXCLUDE list, and the device is to be processed, add the device to the SCF INCLUDE list, as described in the *ResourcePak Base for z/OS Product Guide*.

ESWP210E | CGRS210E | FMMS210E | SCFS210E

```
(rrrrr) (PID ppppp) Cross system validation has detected an error.
```

Cause

The device cannot be processed as another AutoSwap host has detected an error. Message ESWP195I | CGRS195I | FMMS195I | SCFS195I is also displayed to indicate which hosts detected the error.

Action

See ESWP195I | CGRS195I | FMMS195I | SCFS195I.

ESWP211I | CGRS211I | FMMS211I | SCFS211I

```
(rrrrr) (PID ppppp) CFW is active on 'FROM' device controller.
```

Cause

During validation processing, Cache Fast Write was detected as active on the FROM device storage system. CFW=NO or CFW=RESUME was specified on the AutoSwap options.

Verbose Level: 3

Action

None.

ESWP212I | CGRS212I | FMMS212I | SCFS212I

```
(rrrrr) (PID ppppp) Checkpoint participation for non-SWAP device.
```

Cause

During swap processing, a condition was detected such that the device will not be swapped by this AutoSwap. For example, the device is offline and BYPOFFL was specified. However, checkpointing will still be performed to enable all hosts to be accounted for.

Action

None.

ESWP213E | CGRS213E | FMMS213E | SCFS213E

```
(rrrrr) (PID ppppp) EMCSCF CSC RETRIEVE error, request timed out in waiting queue.
```

Cause

An error has occurred during cross system communication. A request made by this AutoSwap host has experienced a timeout before the SCF CSC component could accept the request.

Action

Verify that SCF and the Cross System Communication component is active. If it is active, check whether there are any additional messages produced by SCF to describe the reason for the failure. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine the cause of the error, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation, including the SYSLOG and job log.

ESWP214W | CGRS214W | FMMS214W | SCFS214W

```
(rrrrr) (PID ppppp) No other AutoSwap systems active for cross system request.
```

Cause

AutoSwap attempted to perform a cross system communication action; however, no other AutoSwap systems could be located. This indicates that SCF and the Cross System Communication component are not active on any other hosts.

Action

If a cross system swap is to be performed, start SCF on the other hosts, as described in the *ResourcePak Base for z/OS Product Guide*.

ESWP215E | CGRS215E | FMMS215E | SCFS215E

```
(rrrrr) (PID ppppp) Checkpoint nn timed out in waiting queue.
```

Cause

An error has occurred during cross system communication. A checkpointing request made by this AutoSwap host has experienced a timeout before the SCF Cross System Communication component could accept the request.

Action

Check to see if SCF and the Cross System Communication component is active. If it is active, check to see whether there are any additional messages produced by SCF to describe the reason for the failure. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine the cause of the error, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation, including the SYSLOG and job log.

ESWP216W | CGRS216W | FMMS216W | SCFS216W

```
(rrrrr) (PID ppppp) Checkpoint nn, no other AutoSwap systems active.
```

Cause

AutoSwap attempted to perform a cross system communication action; however, no other AutoSwap systems could be located during swap processing. This indicates that SCF and the Cross System Communication component are not active on any other hosts.

Action

If a cross-system swap is to be performed, start SCF on the other hosts, as described in the *ResourcePak Base for z/OS Product Guide*.

ESWP217I | CGRS217I | FMMS217I | SCFS217I

```
(rrrrr) [continued, part(nn)]
Group:gggggggg, ID:rrrrr, Mode:mmmmmmmm aaaa [, Owner: oooooooooooooo]
[TO device subchannel set: Active:[NONE|SSs], Alternate:SSs]
Creation Date (DD/MM/YY):dd/mm/yy Validation Date:dd/mm/yy
Time (HH:MM:SS):hh:mm:ss Time:hh:mm:ss

[Cross system owner:hhh (xxxxxxxxxxxxxxxx)]
PID Phase Volser| FROM/TO Device |Counts Status/
|Ty Devn CCA SSID Symd Ctrl# RG|Sys Pth Mode
-----+-----+-----+-----+-----+-----+-----+-----+-----+
pppppP aa-S vvvvvv|hh sddd ff llll ssssss cccc jj |xxx*yyy nnnnnnnn
qqqqqQ wwwww|ii seeee gg mmmm tttttt bbbbb kk| zzzzzzzz
Total Group Devices : t1 Highest PID : t2
[ Missing Lines : t3]
[ Selected : t4 Find Excluded : t5]
[ Valid : t6 Invalid : t7]
[ High Priority : t8 Paging Devs : t9]
[ AutoOps Devs : t10]

[ Auto Swappable: t11 Auto Pending : t12]
[ Swapped : t13 Failed Swap : t14]
[ Bypass Offline: t15 Bypass Swap : t16]
[ Offline : t17 Not Defined : t18]
[ FBA : t19 FBA Meta : t20]
[ FBA Head : t21]
[ Alternate SS : t22

Groups Matched : t23
[Line count too small. No groups displayed.]
```

Cause

This message shows the Detailed Swap Group report described in the *AutoSwap for z/OS Product Guide*.

When the number of lines is limited by a specified, or defaulted, line count, the `More . . .` indicator is displayed. If the specified, or defaulted, line count value is smaller than the minimum number of lines required to produce coherent output, the `Line count too small. No groups displayed` line is displayed.

`continued, part(nn)` shows the part number of the message where the message is output in multiple messages. If the complete message cannot be output in a single MLWTO then the message will be output in multiple parts. The part number is not displayed on the first part.

Action

None.

ESWP218E | CGRS218E | FMMS218E | SCFS218E

```
(rrrrr) Storage could not be obtained for display output.
```

Cause

A display buffer could not be obtained due to a private region shortage.

Action

Specify a larger REGION and restart AutoSwap.

ESWP219W | CGRS219W | FMMS219W | SCFS219W

```
(rrrrr) (PID ppppp) Checkpoint nn waiting cancelled due shutdown request from owning host host (host-id).
```

Cause

A swap was cancelled at the indicated checkpoint by the group owning host. The swap will backout on this host.

Action

None.

ESWP220W | CGRS220W | FMMS220W | SCFS220W

```
(rrrrr) (PID ppppp) Checkpoint nn waiting cancelled due IMMEDIATE shutdown request.
```

Cause

A swap was cancelled at the indicated checkpoint by a shutdown request on this host. This host is also the owner of the group. The swap will backout on this host. All other hosts participating in the swap will also terminate.

Action

None.

ESWP221I | CGRS221I | FMMS221I | SCFS221I

```
(rrrrr) (PID ppppp) Checkpoint nn expected system count increased from xxxx to yyyy.
```

Cause

During swap processing the number of systems expected to participate in the swap increased from xxxx to yyyy. This is probably due to the device being varied online or AutoSwap being started on additional operating system images (LPARs). This host is also the owner of the group.

Action

None.

ESWP222W | CGRS222W | FMMS222W | SCFS222W

```
(rrrrr) (PID ppppp) {SWAP|VALIDATE} waiting cancelled; IMMEDIATE shutdown request.
```

Cause

A swap or validate was cancelled while waiting for other AutoSwap hosts. This host is also the owner of the group. The swap will backout on this host. All other hosts participating in the swap will also terminate.

Action

None.

ESWP223E | CGRS223E | FMMS223E | SCFS223E

```
(rrrrr) (PID ppppp) EMCSCF inconsistent configuration for {Sym|CCA}DV#/Ctrl#/SSID dev#{symm-serial|symms}/ssid.
```

Cause

When attempting to obtain the device details (z/OS device number) for the indicated PowerMax or VMAX device or CCA number, storage system and SSID an inconsistency has been noted in the SCF configuration.

This could indicate that a device change has occurred and SCF has not detected the change.

Action

Issue the SCF DEV,REFRESH operator command and submit the request again.

ESWP225E | CGRS225E | FMMS225E | SCFS225E

```
(rrrrr) (PID ppppp) EMCSCF CSC is using sccuu as gatekeeper:
ASID: asid Jobname: jobname
```

Cause

The indicated device is currently in use by the SCF Cross System Communication (CSC) component as a gatekeeper device. These devices cannot be swapped by AutoSwap. The list of EMCSCF jobnames and ASIDs using this device as a gatekeeper follow the message in a MLWTO format.

Action

If the device is to be swapped, select an alternate CSC gatekeeper device in SCF using the SCF.CSC.GATEKEEPER parameter. See the *ResourcePak Base for z/OS Product Guide* for detailed instructions.

ESWP226I | CGRS226I | FMMS226I | SCFS226I

```
AutoSwap has initialized with EMCSCF Cross System Communication.
```

Cause

AutoSwap has successfully initialized with the SCF Cross System Communication component.

Action

None.

ESWP227E | CGRS227E | FMMS227E | SCFS227E

```
AutoSwap cannot start using subsystem xxxx, already running.
```

Cause

Another AutoSwap is already active for the same subsystem.

Action

Specify an alternate name on the SUBNAME startup parameter and restart AutoSwap.

ESWP228E | CGRS228E | FMMS228E | SCFS228E

```
Error during subsystem processing, RC/RS xxxxxxxx/yyyyyyyy.
```

Cause

An error has occurred while attempting to define AutoSwap to the subsystem interface. The z/OS service IEFSSI return code (xxxxxxx) and reason code (yyyyyyyy) are documented in the MVS Assembler Service Reference Manual.

Action

Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If the reason for the error cannot be determined, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation, including the SYSLOG and job log.

ESWP229E | CGRS229E | FMMS229E | SCFS229E

Selected subsystem name xxxx cannot be used, invalid name.

Cause

An invalid name has been selected for the subsystem name.

Action

Select a valid subsystem name.

ESWP230E | CGRS230E | FMMS230E | SCFS230E

Subsystem xxxx is not valid for use by AutoSwap, RS yy.

Cause

A subsystem name has been specified for a subsystem that is already active. The reason code indicates why the subsystem is not valid:

- RS 00, an SSVT is defined which does not belong to AutoSwap.
- RS 01, SSCT is not active for AutoSwap. Another subsystem is using this SSCVT (SSCTSUSE not valid for AutoSwap).
- RS 02 and RS 03, SSCT is not active for AutoSwap. Another subsystem is using this SSCVT (SSCTSUS2 not valid for AutoSwap).

Action

Select an alternate subsystem name.

ESWP231I | CGRS231I | FMMS231I | SCFS231I

AutoSwap global areas are being refreshed.

Cause

Either the REFRESH startup option was specified or an inconsistency in the version or level was detected in the global area structures for a previous startup of AutoSwap.

Action

None.

ESWP231W | CGRS231W | FMMS231W | SCFS231W

AutoSwap global area is at version xxxxxxxx, level xxxxxxxx, should be version xxxxxxxx, level xxxxxxxx.

Cause

During initialization the global area validation has detected that an incompatible global module was previously loaded. The global module must be at the indicated level. The global areas will be refreshed.

Action

None.

ESWP233E | CGRS233E | FMMS233E | SCFS233E

AutoSwap global area is at version xxxxxxxx, level xxxxxxxx, should be version xxxxxxxx, level xxxxxxxx.

Cause

Following a REFRESH, or on the initial start of AutoSwap, a load of the incorrect version of the global modules has occurred. AutoSwap will not complete initialization.

Action

Verify that the valid global module is in the correct library search sequence (STEPLIB, JOBLIB, and so on) and restart AutoSwap. If the reason for the error cannot be determined, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation, including the SYSLOG and job log.

ESWP234I | CGRS234I | FMMS234I | SCFS234I

```
AutoSwap version vvvvvvvv, level llllllll.
```

Cause

AutoSwap herald message to indicate the current version and level.

Action

None.

ESWP235E | CGRS235E | FMMS235E | SCFS235E

```
mmmmmmmm module load failed RC/RS/INFO xxxxxxxx/yyyyyyyy/zzzzzzzz.
```

Cause

The indicated module load failed.

Action

Verify that the indicated module is in the correct library search sequence (STEPLIB, JOBLIB, and so on) and restart AutoSwap. Check for other messages in SYSLOG to determine if another error is causing a load failure. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESWP236E | CGRS236E | FMMS236E | SCFS236E

```
mmmmmmmm module is not valid for AutoSwap.
```

Cause

The indicated module was loaded but it does not belong to AutoSwap.

Action

Verify that the indicated correct AutoSwap module is in the correct library search sequence (STEPLIB, JOBLIB, and so on) and restart AutoSwap. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESWP237I | CGRS237I | FMMS237I | SCFS237I

```
AutoSwap has shutdown, RC=xxxxxxx.
```

Cause

AutoSwap has shut down. If RC is not zero, additional messages will be issued to indicate the reason for the shutdown.

Action

If the return code is not zero, check for other messages in SYSLOG to determine if another error is causing a load failure. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine the reason for the error, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation, including the SYSLOG and job log.

ESWP238I | CGRS238I | FMMS238I | SCFS238I

```
(rrrrr) (PID ppppp) Device sccuu (sccuu) now eligible for unplanned AutoSwap.
```

Cause

The indicated device has validated successfully and was defined in a CAX group.
Verbose Level: 0

Action

None.

ESWP239W | CGRS239W | FMMS239W | SCFS239W

```
(rrrrr) (PID ppppp) Device sccuu (sccuu) is no longer eligible for unplanned AutoSwap.
```

Cause

The indicated device has failed validation. The device is no longer available for an unplanned swap.

Action

Examine other messages to determine why the device is no longer available for unplanned processing. Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

ESWP240E | CGRS240E | FMMS240E | SCFS240E

```
Unplanned request for device sccuu cannot be completed. No validated group could be located.
```

Cause

The indicated device has been triggered for an unplanned swap event. However, AutoSwap cannot determine a group to perform the swap.

Action

Examine other messages to determine why the device is no longer available for unplanned processing. Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

ESWP241E | CGRS241E | FMMS241E | SCFS241E

```
AutoSwap processing xxxxxxxx has been disabled.
```

Cause

The indicated AutoSwap interface (xxxxxxx) has been disabled due to error processing logic. Unplanned processing is no longer available until AutoSwap is restarted with the REFRESH option.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

ESWP242W | CGRS242W | FMMS242W | SCFS242W

```
AutoSwap processing mmmmmmmmmm is not active (xxxxxxxx/yyyyyyyy).
```

Cause

The indicated AutoSwap interface (*mmmmmmmm*) has been previously disabled due to error processing logic. Unplanned processing is no longer available until AutoSwap is restarted with the REFRESH option. Additional diagnostic information is reported by *xxxxxxxx/yyyyyyyy*.

Action

Restart AutoSwap with the REFRESH option.

ESWP243W | CGRS243W | FMMS243W | SCFS243W

```
Request is not supported in this version of AutoSwap.
```

Cause

A request (operator command) has been entered that is not supported by this version of AutoSwap.

Action

Enter a valid command.

ESWP244E | CGRS244E | FMMS244E | SCFS244E

```
(rrrrr) (PID ppppp) No 'TO' device configured for  
RDFgrp/SymDV#/Ctrl#/CUU: srdfgrp/symdv#/symms/----
```

Cause

A TO device identified by the indicated SRDF group, PowerMax or VMAX device number, and storage system serial number cannot be located through AutoSwap. This may be due to one of the following:

- RDFGRP=CONFDEV was specified on the AutoSwap options to allow AutoSwap to select the required concurrent SRDF device and this device could not be located. When CONFDEV is used, AutoSwap will select the R2 device which is defined to the z/OS system (LPAR) and defined to SCF. No devices could be located.
- A non-concurrent SRDF device relationship exists and AutoSwap could not find the partner device.

Action

1. For concurrent SRDF, change the RDFGRP specification on the AutoSwap options to the required SRDF group.
2. If the device is not available to SCF (for example, boxed), SCF might not provide the device to AutoSwap. Examine the device to see whether it is in a state that cannot be accessed by SCF. If the device is available, it might be necessary to issue an SCF DEV,REFRESH command.
3. AutoSwap uses SCF to locate partner devices. Update SCF to INCLUDE a device which AutoSwap is to select and restart SCF, or issue the INI,REFRESH (if the SCF initialization file is changed) and DEV,REFRESH commands, as described in the *ResourcePak Base for z/OS Product Guide*.

ESWP245E | CGRS245E | FMMS245E | SCFS245E

```
(rrrrr) (PID ppppp) RESERVE transfer failed for 'TO' device, RC/RS  
xxxxxxxx/yyyyyyyy.
```

Cause

During swap processing, a RESERVE was detected on the FROM device. However, the transfer of the RESERVE failed for the TO device. The following reason codes (yyyyyyyy) are set for return code 8 (RC=8):

- RS=8, DCE could not be located for the TO device UCB.
- RS=12, DCE could not be located for the FROM device UCB.
- RS=16, too many RESERVEs held (UCBSQC=X'FF' and DCESQC support no installed) on the TO device.
- RS=20, DCESQC and UCBSQC mismatch on the TO device.
- RS=24, too many RESERVEs held (DCESQC=X'FFFF') on the TO device.

Action

Examine other messages relating to this error. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation, including the SYSLOG and job log.

ESWP246E | CGRS246E | FMMS246E | SCFS246E

```
(rrrrr) (PID ppppp) RESERVE could not be obtained on 'TO' device,  
RC/RS/ERS xxxxxxxx/yyyyyyyy/zzzzzzzz.
```

Cause

During swap processing a RESERVE was detected on the FROM device. However, the transfer of the RESERVE failed for the TO device. The return code (xxxxxxxx), reason (yyyyyyyy) and extended reason code (zzzzzzzz) indicate an error was detected in the I/O processing routine.

Action

Examine other messages relating to this error. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation, including the SYSLOG and job log.

ESWP247E | CGRS247E | FMMS247E | SCFS247E

```
(rrrrr) (PID ppppp) RESERVE transfer failed for 'FROM' device,  
RC/RS xxxxxxxx/yyyyyyyy.
```

Cause

During swap processing a RESERVE was detected on the FROM device. However, errors were detected on the FROM device. The following reason code (yyyyyyyy) are set for return code 8 (RC=8):

- RS=8, DCE could not be located for the FROM device UCB.
- RS=12, DCE could not be located for the FROM device UCB.
- RS=16, too many RESERVEs held (UCBSQC=X'FF' and DCESQC support no installed) on the FROM device.
- RS=20, DCESQC and UCBSQC mismatch on the FROM device.
- RS=24, too many RESERVEs held (DCESQC=X'FFFF') on the FROM device.

Action

Examine other messages relating to this error. Search the Dell EMC Knowledgebase for

applicable solutions relating to this message ID. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation, including the SYSLOG and job log.

ESWP248W | CGRS248W | FMMS248W | SCFS248W

```
(rrrrr) (PID ppppp) RESERVE found on 'FROM' device following SWAP,  
attempting transfer.
```

Cause

Following the swap of the FROM device UCB, a RESERVE was found. This indicates that a RESERVE was processed following the normal AutoSwap reserve transfer processing. The RESERVE will be attempted on the TO device to see whether it can be obtained.

Action

None.

ESWP249W | CGRS249W | FMMS249W | SCFS249W

```
(rrrrr) (PID ppppp) RESERVE transfer failed following SWAP,  
RC/RS/ERS xxxxxxxx/yyyyyyyy/zzzzzzzz.
```

Cause

Following the UCB swap processing, a RESERVE was detected on the FROM device. However, the transfer of the RESERVE failed for the TO device. The return code (xxxxxxxx), reason (yyyyyyyy) and extended reason code (zzzzzzzz) indicate an error was detected in the I/O processing routine.

Action

No action is necessary as the reserve will be propagated on the next I/O to the device. AutoSwap ensured that no I/O was possible during the swap processing; meaning that the reserve was pushed down to the device as part of the swap processing.

ESWP250E | CGRS250E | FMMS250E | SCFS250E

```
(rrrrr) (PID ppppp) Device modifications failed, RS xxxxxxxx.
```

Cause

The swap service routine failed. The swap processing for this device will backout.

Action

Examine other messages relating to this error. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation, including the SYSLOG and job log.

ESWP251E | CGRS251E | FMMS251E | SCFS251E

```
(rrrrr) (PID ppppp) Device modifications failed, redrive  
nnnnnnnn of mmmmmmmmm; xxxxxxxx of yyyyyyyy complete.
```

Cause

The swap service routine failed; xxxxxxxx of yyyyyyyy UCB swaps have completed successfully. The processing will be retried for the indicated number of times.

Action

None.

ESWP252I | CGRS252I | FMMS252I | SCFS252I

```
(rrrrr) (PID ppppp) Checkpoint nn cross system host status.
```

Cause

Displayed at the conclusion of checkpoint processing when all hosts have reached the same point in processing. Hosts are displayed following this message in the format described by message ESWP195I | CGRS195I | FMMS195I | SCFS195I.

Verbose Level: 3

Action

None.

ESWP253W | CGRS253W | FMMS253W | SCFS253W

```
(rrrrr) (PID ppppp) UCB SWAP backout failed, redrive xxxxxxxx of xxxxxxxx, RS xxxxxxxx.
```

Cause

The mainframe swap service routine failed during backout processing. The processing will be retried for the indicated number of times.

Action

None.

ESWP254W | CGRS254W | FMMS254W | SCFS254W

```
(rrrrr) (PID ppppp) Remote call to CUU/SymDV# sccuu/symdv# via CUU/RDFGRP ccuu/srdfgrp failed. Attempting local call.
```

Cause

AutoSwap normally performs swap device reconfiguration through the TO device (remote call). However, a link failure has occurred and AutoSwap cannot communicate to the FROM device. The same reconfiguration call will be reattempted to the FROM device directly (local call).

Action

None.

ESWP255W | CGRS255W | FMMS255W | SCFS255W

```
Device sccuu is no longer eligible for unplanned AutoSwap; no groups available.
```

Cause

A device which was previously eligible for an unplanned swap no longer has a group available for processing. This would indicate that the CAX group containing this device has either been deleted, is now invalid, or swap processing was disabled through the SETSWAP DISABLE command.

Action

If the device is to be protected by unplanned CAX group then define and validate a CAX group. If the group is disabled use the SETSWAP ENABLE command.

Verbose Level: 1

ESWP256I | CGRS256I | FMMS256I | SCFS256I

```
Unplanned request for device sccuu bypassed. Device SWAP already completed by group swapgrp.
```

Cause

An unplanned condition was detected for the indicated device. However, the device has already swapped. This can occur when many duplicate unplanned conditions are detected

for the same device.

Verbose Level: 1

Action

None.

ESWP257I | CGRS257I | FMMS257I | SCFS257I

```
Unplanned request for device sccuu has been queued to
group swapgrp.
```

Cause

An unplanned condition was detected for the indicated device. The group will be requested to swap the device.

Verbose Level: 1

Action

None.

ESWP258I | CGRS258I | FMMS258I | SCFS258I

```
Unplanned request for device sccuu retry xx with group swapgrp.
```

Cause

An unplanned condition was detected for the indicated device. The device failed to swap with the previous group selection. However, another group (shown in the message) has been located which can perform the swap. The swap will be retried in this group. Up to 5 retries (in different groups) will be attempted.

Verbose Level: 1

Action

None.

ESWP259E | CGRS259E | FMMS259E | SCFS259E

```
Unplanned request for device sccuu cannot be retried due no more
validated groups.
```

Cause

An unplanned condition was detected for the indicated device. The device failed to swap with the previous group selection and another group cannot be located to perform the swap.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

ESWP260W | CGRS260W | FMMS260W | SCFS260W

```
Group swapgrp, ID seq# has already been defined and cannot be
created by host host (host-id).
```

Cause

A group creation was requested by the indicated host. However, a duplicate group name already exists on the current host. Group names must be unique. If REPLACE was specified in the group DEFINE, the REPLACE can only be done if the group is not active.

Action

Redefine the group on the host to refer to another name, delete the duplicate group on

the current host, or add REPLACE to the DEFINE specification.

ESWP261E | CGRS261E | FMMS261E | SCFS261E

```
(rrrrr) (PID ppppp) Unplanned request for device sccuu invalid with  
group swapgrp.
```

Cause

An unplanned condition was detected for the device. However, the swap request was detected as being queued to an incorrect group. The device will be queued to another group, if available.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

ESWP262E | CGRS262E | FMMS262E | SCFS262E

```
Unplanned request for device sccuu max retries xx exceeded.
```

Cause

An unplanned condition was detected for the device. The device failed to swap with other groups. Up to 5 retries (in different groups) were attempted and all failed.

Action

Examine other messages to determine the reason for the failure. Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

ESWP263E | CGRS263E | FMMS263E | SCFS263E

```
SWAP request cannot be performed, too many concurrent requests.
```

Cause

A non-defined swap request was entered that cannot be processed. There are currently too many swap requests active. An example of a non-defined swap request is SWAP AAAA,BBBB,100. These are requests where the group name is determined and set by AutoSwap. The name is in the form `:#Shhhhnn`

Where:

- `hhhh` is the defining host name.
- `nn` is a number from 00 and 99.

Up to 99 of these types of requests may be active.

Action

Wait for existing swap requests to complete and try again. Currently active requests may be displayed using the DISPLAY GROUP #S* command.

ESWP264I | CGRS264I | FMMS264I | SCFS264I

```
SWAP request has been assigned the group name #Shhhhnn
```

Cause

A non-defined swap request was entered. The swap request has been assigned a group name for command and cross system processing. The name is in the form:

`#Shhhhnn`

Where:

- *hhhh* is the defining host name.
 - *nn* is a number from 00 and 99.
- Up to 99 of these types of requests may be active.

Action
None.

ESWP265E | CGRS265E | FMMS265E | SCFS265E

```
Cannot build internal group name, SMF is not active.
```

Cause

A non-defined swap request was entered. However, a group name cannot be created as SMF is not active. The host name used to create the group is obtained from the SMFID. Message ESWP264I | CGRS264I | FMMS264I | SCFS264I provides more information about the format.

Action

Either start SMF or use the DEFINE GROUP command to perform the swap.

ESWP265I | CGRS265I | FMMS265I | SCFS265I

```
(rrrrr) DEBUG already active.
```

Cause

A SET DEBUG command was entered, however DEBUG is already set. The current global options can be displayed using the DISPLAY GOPT command.

Action

None.

ESWP266E | CGRS266E | FMMS266E | SCFS266E

```
SWAP request invalid due overlapping 'FROM' and 'TO' ranges.
```

Cause

A non-defined swap request was entered which contains overlapping device ranges. For example, SWAP 1111,1113,4

Action

Specify the command with a valid device range again.

ESWP267I | CGRS267I | FMMS267I | SCFS267I

```
(rrrrr) Group swapgrp contains count resolved devices.
```

Cause

This message shows the number of DASD devices located for the specified group.

Action

None.

ESWP268W | CGRS268W | FMMS268W | SCFS268W

```
(rrrrr) Group swapgrp is empty.
```

Cause

The group when being initialized by the swap manager could not locate any DASD devices. The group is terminated.

Action

Specify a range of valid DASD devices again.

ESWP269W | CGRS269W | FMMS269W | SCFS269W

```
IOACTION command to suspend I/O no longer supported, ignored.
```

Cause

The IOACTION option was requested; however, it is no longer supported and the request is ignored. AutoSwap performs I/O quiesce processing using the IOSLEVEL service.

Action

None.

ESWP270W | CGRS270W | FMMS270W | SCFS270W

```
EMCPARMS DD ignored in utility mode.
```

Cause

AutoSwap has been started in utility mode. However an EMCPARMS DD has also been specified. EMCPARMS is ignored while in utility mode. All options are passed directly on the PARM statement.

Action

None.

ESWP271I | CGRS271I | FMMS271I | SCFS271I

```
(rrrrr) (PID ppppp) VALIDATE 'FROM'/'TO' sccuu/sccuu
```

Cause

VALIDATE processing has commenced for the device pair.
Verbose Level: 1

Action

None.

ESWP272I | CGRS272I | FMMS272I | SCFS272I

```
(rrrrr) (PID ppppp) SWAP 'FROM'/'TO' from_device/to_device[, device  
count: ccccc][, grouped with PID(hhhhh)][; unplanned].
```

Cause

Swap processing has commenced for the FROM and TO device pair.
The FROM and TO devices are displayed as *sccuu* or (when the CUU cannot be located) as *symms,symdv#*, with 2 leading digits of the device number suppressed when zero.
If the devices are being swapped due to an unplanned event, the message shows *unplanned*.
If the PID is grouping a set of other PIDs under this PID to optimize the processing of the swap, the device count is displayed. This is known as the *head* PID.
If the PID is being grouped with a head PID to optimize the processing of the swap, the *grouped with PID(hhhhh)* text is displayed. The head PID is identified by *hhhhh*.
These are displayed as verbose level 0 messages.

Action

None.

ESWP273E | CGRS273E | FMMS273E | SCFS273E

```
(rrrrr) (PID ppppp) 'FROM' device sccuu has an invalid state,  
RS rs(text).
```

Cause

The FROM device has an invalid state as indicated by RS:

- 01 - `offline` - Device must be ONLINE.
- 02 - `pending offline` - Device is changing states (going offline).
- 05 or 35 - `paging volume` - Device has active page datasets and this is not a continuous available group.
- 06 or 36 - `OPS/MVS volume` - Device has Computer Associates OPS/MVS datasets and this is not a continuous available CAX-defined group.
- 15 - `paging volume not R1` - Device has active page datasets and this is a non-SRDF swap request. Page dataset devices can only be swapped for SRDF defined devices.
- 25 - `paging volume not R1` - Device has active page datasets and this is an R2 device. Page dataset devices can only be swapped from R1 to R2. R2 to R1 swap is not supported for these types of devices. Use the SRDF Host Component SWAP command to change the personality of the devices to R1 prior to requesting a swap.
- 45 - `paging patch required` - Device has active page datasets; however, the required support is not installed on this storage system. Enginuity 5671 or later is required for page dataset swaps.

Action

Correct the state of the device. If the group must be defined as a continuous available group, the swap of this device is only supported using the CAX definition.

ESWP274E | CGRS274E | FMMS274E | SCFS274E

```
(rrrrr) (PID ppppp) 'TO' device sccuu has an invalid state,  
RS rs(text).
```

Cause

The TO device has an invalid state as indicated by RS:

- 03 - `online` - Device must be OFFLINE.
- 04 - `pending offline` - Device is changing states.
- 09 - `MIDAW inconsistent` - Device MIDAW setting is inconsistent with FROM device.
- 0A - `multiple altSS` - More than 1 alternate subchannel set has been located for this group. Only a single alternate subchannel set is allowed.
- 13 - `online not Host R/O` - `AllowOnlineToDevice` option was specified. However, the TO device also needs to be set as Host Ready Only to the local host through SCF. Refer to the ResourcePak Base documentation for specifying the SCF.DEV.ATTR.HBO.INCLUDE keyword in the SCFINI file.
- 1A - `altSS CUU mismatch` - An alternate subchannel set device has been detected. However, the device number in the FROM device does not match the TO device number. The 4-digit device number must exactly match.
- 23 - `Host R/O mismatch` - The TO device has the Host Read Only attribute specified through SCF. However, the FROM device is ONLINE and does not have a similar Host Read Only setting. The TO device Host Read Only support specification should be reviewed to determine if Read Only is appropriate. Refer to ResourcePak

documentation for specifying the SCF.DEV.ATTR.HRO.INCLUDE keyword in the SCFINI file.

- 2A - special not 3390D - The TO device is in an alternate subchannel set. However, it is not defined correctly to the HCD. The device must be defined as a 3390D special secondary device.
- 3A - multi-active altSS - The TO device is in an alternate subchannel set that is not the active alternate subchannel set. You cannot have multiple differing alternate subchannel sets. To determine the active subchannel set, issue the D IOS,CONFIG z/OS operator command. For example, if the active subchannel set is SS2, you cannot swap devices from SS0 to SS3 with AutoSwap because an invalid z/OS configuration is created.

Action

Correct the state of the device. For RS 09, either turn MIDAW off using the z/OS SETIOS MIDAW=NO operator command or change the PowerMax or VMAX BIN file MIDAW setting to be consistent for the FROM and TO storage systems.

ESWP275E | CGRS275E | FMMS275E | SCFS275E

Storage shortage detected by event build processing, active requests shutdown.

Cause

A private regions storage shortage has been detected. Current work has been requested to terminate.

Action

Specify a larger REGION and restart AutoSwap.

ESWP276W | CGRS276W | FMMS276W | SCFS276W

SHARED option no longer supported, ignored.

Cause

The SHARED option was requested; however, SHARED is no longer supported. The request is ignored. AutoSwap performs all requests as shared where a device is online to multiple hosts.

Action

None.

ESWP277W | CGRS277W | FMMS277W | SCFS277W

SYSTEMS count specification no longer supported, ignored.

Cause

The SYSTEMS count was specified, however it is no longer supported and is ignored. AutoSwap uses the number of online path groups and the SCF Cross System Component to determine the system count.

Action

None.

ESWP278I | CGRS278I | FMMS278I | SCFS278I

```
(rrrrr) Group swapgrp will remain active due to {[implied]
RETAIN[ SWAPCMPLT]|COMPLEMENT} specification. [Quiesce reset]
```

Cause

The group has the RETAIN or COMPLEMENT specification or the group was internally defined as a result of a cross-system request (from the group owner) or from the owning group (for example, ConGroup). An internally defined group always has an implied RETAIN specification. This allows the group to remain active even after quiesce or completion. This allows additional processing to be performed on the group such as DISPLAY, SWAP or VALIDATE commands. If the group completed processing because of a quiesce condition (see message ESWP097E | CGRS097E | FMMS097E | SCFS097E), the additional Quiesce reset text is appended to the message.

Action

The group can only be terminated with the DELETE command, SWAP completion (if RETAIN SWAPCMPLT) or on AutoSwap shutdown.

ESWP279I | CGRS279I | FMMS279I | SCFS279I

```
(rrrrr) (PID ppppp) Error bypassed, device SWAP had been pre-
validated.
```

Cause

An error condition (for example, FROM device boxed) has been bypassed for the swap. This only occurs when the device was previously validated and the validate option was not specified on the swap.

Action

None.

ESWP280W | CGRS280W | FMMS280W | SCFS280W

```
(rrrrr) (PID ppppp) CFW Deactivate on device controller did not
complete RC/RS/ERS xxxxxxxx/yyyyyyyy/zzzzzzzz.
```

Cause

An I/O error has occurred while attempting to de-activate Cache Fast Write on the device storage system. This can occur when the FROM device storage system is no longer available. Additional diagnostics are provided in *xxxxxxxx*, *yyyyyyyy*, and *zzzzzzzz* for customer support.

Action

None. However, CFW can be deactivated using IDCAMS following the swap.

ESWP281W | CGRS281W | FMMS281W | SCFS281W

```
(rrrrr) (PID ppppp) CFW activate on device controller did not
complete RC/RS/ERS xxxxxxxx/xxxxxxxx/xxxxxxxx.
```

Cause

An I/O error has occurred while attempting to activate Cache Fast Write on the device storage system. Additional diagnostics are provided in *xxxxxxxx*, *yyyyyyyy*, and *zzzzzzzz* for customer support.

Action

None. However, CFW can be activated using IDCAMS following the swap.

ESWP282I | CGRS282I | FMMS282I | SCFS282I

```
(rrrrr) (PID ppppp) CFW will be deactivated by cross system host
```

```
host (host-id) due RESERVE held.
```

Cause

Cache Fast Write has been detected as active on the FROM device storage system. In addition, the host has indicated that it is holding the RESERVE on this device and will be given the task of deactivating CFW for the storage system and reactivating it on the TO device storage system.

Action

None.

ESWP283I | CGRS283I | FMMS283I | SCFS283I

```
Parser messages follow:
```

Cause

This message indicates that parser messages follow.

Action

For parser error conditions, reenter a valid command.

ESWP284W | CGRS284W | FMMS284W | SCFS284W

```
(rrrrr) (PID ppppp) Error bypassed, FORCE=NOLINK has been specified.
```

Cause

A previously detected link failure resulted in local call processing (see message ESWP254W | CGRS254W | FMMS254W | SCFS254W). However, the direct (local) call to the FROM device has failed. The usage of FORCE=NOLINK indicates to AutoSwap that it should perform the swap even if no connectivity is to the device.

Action

Additional processing may be required on the FROM device to set it to a desired state. It is possible that AutoSwap was unable to change the FROM device state to not-ready (RDF-NRDY or NRDY) which could result in other hosts still accessing the FROM device. This can occur when the bypass system count (BYPSSYSC) was specified and those hosts not participating in the swap still have connectivity to the FROM device.

ESWP285W | CGRS285W | FMMS285W | SCFS285W

```
AutoSwap waiting for EMCSCF cross system communication.
```

Cause

AutoSwap is attempting to initialize with the SCF Cross System Communication component. However, the CSC is not active. This can occur if SCF has been started with an EXCLUDE list of all PowerMax or VMAX devices, or the CSC has not been activated. This message can occur when AutoSwap has been initialized before or during the startup of SCF. In this case AutoSwap will correctly initialize with SCF after it has completed initialization.

Action

Check to see whether SCF and the CSC are active. The CSC can be verified using the SCF command, CSC,DISPLAY,HOSTS. If it is active, check to see whether there are any additional messages produced by SCF to describe the reason for the failure. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESWP286E | CGRS286E | FMMS286E | SCFS286E

```
AutoSwap lost access with EMCSCF Cross System Communication.
```

Cause

AutoSwap was initialized with the SCF Cross System Communication component. However, access has been lost to all SCF defined storage systems. AutoSwap will attempt to reinitialize its connection.

Action

Check to see if SCF and the CSC is active. The CSC can be verified using the SCF command CSC,DISPLAY,HOSTS. If it is active, check to see whether there are any additional messages produced by SCF to describe the reason for the failure. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine cause of the failure, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation, including the SYSLOG and job log.

ESWP287E | CGRS287E | FMMS287E | SCFS287E

```
AutoSwap cannot initialize with EMCSCF Cross System Communication,  
software level too low
```

Cause

AutoSwap is attempting to initialize with the SCF Cross System Communication (CSC) component. However, the SCF level is too low.

Action

SCF must be at version 5.2 or later. Restart AutoSwap with an SCF at the required level. Check to see whether SCF and the CSC is active. The CSC can be verified using the SCF command CSC,DISPLAY,HOSTS. If it is active, check to see whether there are any additional messages produced by SCF to describe the reason for the failure. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine the cause of the failure, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation, including the SYSLOG and job log.

ESWP288W | CGRS288W | FMMS288W | SCFS288W

```
(rrrrr) (PID ppppp) RESERVE could not be released on device sccuu,  
RC/RS/ERS xxxxxxxx/yyyyyyyy/zzzzzzzz.
```

Cause

AutoSwap is attempting to release a RESERVE on the indicated device. However an I/O error has occurred such that the reserve remains on the device. This can occur when the FROM device is no longer available. Additional diagnostics are provided in xxxxxxxx, yyyyyyyy, and zzzzzzzz for Customer Support. z/OS will release the RESERVE on the next I/O to the device.

Action

No further action is necessary if the device is no longer available.

ESWP289E | CGRS289E | FMMS289E | SCFS289E

```
AutoSwap cannot initialize, library is not APF authorized.
```

Cause

The AutoSwap load library is not APF authorized.

Action

Use the SETPROG APF command to authorize the library and restart AutoSwap. If more than 1 library is concatenated in the library search sequence (JOB LIB or STEPLIB), ensure that all libraries are APF-authorized.

ESWP290I | CGRS290I | FMMS290I | SCFS290I

```
(rrrrr) (PID ppppp) Device sccuu VARY RC/RS xxxxxxxx/yyyyyyyy.
```

Cause

A normal condition was detected while varying the indicated device online. The IEEVARYD service has returned return and reason codes xxxxxxxx and yyyy-yyyy. The MVS Authorized Assembler Services Reference Manual for IEEVARYD contains a description of the return codes from this service. An IEEVARYD generated message follows.

Verbose Level: 3

Action

None.

ESWP291E | CGRS291E | FMMS291E | SCFS291E

```
(rrrrr) (PID ppppp) Device sccuu IEEVARYD service failed  
RC/RS xxxxxxxx/yyyyyyyy.
```

Cause

An error was detected while varying the indicated device online. The IEEVARYD service has returned return and reason codes xxxxxxxx and yyyy-yyyy. The MVS Authorized Assembler Services Reference Manual for IEEVARYD contains a description of the return codes from this service.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESWP292I | CGRS292I | FMMS292I | SCFS292I

```
(rrrrr) Group swapgrp *  
  Total Devices      : t1 Highest PID      : t2]  
  Valid              : t6 Invalid          : t7]  
  [ High Priority    : t8 Paging Devs      : t9]  
  [                  AutoOps Devs       : t10]  
  [ Auto Swappable: t11 Auto Pending     : t12]  
  [ Swapped         : t13 Failed Swap    : t14]  
  [ Bypass Offline: t15 Bypass Swap     : t16]  
  [ Offline        : t17 Not Defined    : t18]  
  [ FBA            : t19 FBA Meta       : t20]  
  [                FBA Head           : t21]  
  [ Alternate SS   : t22]
```

Cause

This message is displayed at the conclusion of the current processing or on deletion of the group to show various device counters. For a description of the counters, see the output field explanation for the Detailed Swap Group report in the *AutoSwap for z/OS Product Guide*.

Action

None.

ESWP293W | CGRS293W | FMMS293W | SCFS293W

```
AutoSwap has been started under the ssss subsystem.
```

Cause

AutoSwap has not been started under the MSTR subsystem. The subsystem has been indicated by ssss. Where AutoSwap has been started under a JES2 or JES3 subsystem, JES2 or JES3 is indicated and not the actual subsystem name.

Action

If AutoSwap is to swap devices owned by the indicated subsystem, change the start of AutoSwap to SUB=MSTR. For example, START EMCCGRP,SUB=MSTR. Due to the function of JES2 and JES3, AutoSwap should be started SUB=MSTR. Otherwise, deadlock conditions can occur when AutoSwap is performing swap processing of JES devices.

ESWP294W | CGRS294W | FMMS294W | SCFS294W

```
(rrrrr) (PID ppppp) CFW cannot be deactivated on device controller
Ctrl#/SSID symms/ssid, no operational paths.
```

Cause

Cache Fast Write cannot be de-activated on the FROM device storage system and SSID. No paths are available to the device being processed by the swap. This condition is normal when a(n) (auto) swap is being performed because of a no-paths condition.

Action

None. However, CFW can be deactivated using IDCAMS following the swap on a system with access to the device.

ESWP295W | CGRS295W | FMMS295W | SCFS295W

```
(rrrrr) (PID ppppp) RESERVE cannot be released on device sccuu, no
operational paths.
```

Cause

A RESERVE cannot be released on indicated device. No paths are available to this device. This condition is normal when sccuu is the FROM device and a (auto) swap is being performed due to a no-paths condition.

Action

None.

ESWP296I | CGRS296I | FMMS296I | SCFS296I

```
(rrrrr) TRACE EID x'eee', FID x'ff' already active.
```

Cause

A SET TRACE command was entered. However TRACE is already set for the indicated EID and FID. The current global options can be displayed using the DISPLAY GOPT command.

Action

None.

ESWP297I | CGRS297I | FMMS297I | SCFS297I

```
(rrrrr) TRACE EID x'eee', FID x'ff' has been activated.
```

Cause

A SET TRACE command was issued. Tracing is now active for AutoSwap. GTF tracing must also be active using the USR=(eee) option to collect the trace data. Refer to the MVS Diagnosis: Tools and Service Aids Manual for information about tracing user records.

Action

None.

ESWP298I | CGRS298I | FMMS298I | SCFS298I

```
(rrrrr) TRACE already inactive.
```

Cause

A SET NOTRACE command was entered. However, TRACE is already inactive. The current global options can be displayed using the DISPLAY GOPT command.

Action

None.

ESWP299I | CGRS299I | FMMS299I | SCFS299I

```
(rrrrr) TRACE is now inactive.
```

Cause

A SET NOTRACE command was entered. Tracing is now inactive for AutoSwap.

Action

None.

ESWP400I | CGRS400I | FMMS400I | SCFS400I

```
(rrrrr) (PID ppppp) {SWAP|VALIDATE} request accepted using  
Dir# dir#.
```

Cause

A validate or swap request using a specific storage system director number previously failed. However, an alternate director has been found which accepts the request. Further director specific processing will be performed using this director.

Verbose Level: 3

Action

None.

ESWP401I | CGRS401I | FMMS401I | SCFS401I

```
(rrrrr) (PID ppppp) {R1|R2} RDF-NRDY complete for SYMDV# symdv#[-  
symdv#].
```

Cause

The SRDF device(s) (or a range of devices) are now SRDF Not Ready (RNR).

Verbose Level: 3

Action

None.

ESWP402I | CGRS402I | FMMS402I | SCFS402I

```
(rrrrr) (PID ppppp) R1 tnr complete for symdv# symdv#[-symdv#].
```

Cause

The R1 SRDF devices or a range of devices are now Target Not Ready (TNR).

Verbose Level: 3

Action

None.

ESWP403I | CGRS403I | FMMS403I | SCFS403I

```
(rrrrr) (PID ppppp) R2 R/W complete for symdv# symdv#[-symdv#].
```

Cause

The R2 SRDF device or range of devices are now Read Write (R/W).

Verbose Level: 3

Action

None.

ESWP404I | CGRS404I | FMMS404I | SCFS404I

```
(rrrrr) (PID ppppp) R2 RDY complete for Symdv# symdv#[-symdv#].
```

Cause

The R2 SRDF device or range of devices are now Ready (RDY).

Verbose Level: 3

Action

None.

ESWP405I | CGRS405I | FMMS405I | SCFS405I

```
(rrrrr) (PID ppppp) R2 RO complete for Symdv# symdv#[-symdv#].
```

Cause

The R2 SRDF device or range of devices are now Read-Only (RO).

Verbose Level: 3

Action

None.

ESWP406I | CGRS406I | FMMS406I | SCFS406I

```
(rrrrr) (PID ppppp) R1 TR complete for symdv# symdv#[-symdv#].
```

Cause

The R1 SRDF device or range of devices are now Target Ready (TR).

Verbose Level: 3

Action

None.

ESWP407I | CGRS407I | FMMS407I | SCFS407I

```
(rrrrr) (PID ppppp) R2 NRDY Complete for symdv# symdv#[-symdv#].
```

Cause

The R2 SRDF device or range of devices are now Not Ready (NRDY).

Verbose Level: 3

Action

None.

ESWP408I | CGRS408I | FMMS408I | SCFS408I

```
(rrrrr) (PID ppppp) {R1|R2} RDF-RDY complete for Symdv# symdv#[-symdv#].
```

Cause

The SRDF R1 or R2 device or range of devices are now SRDF Ready (RDF-RDY).

Verbose Level: 3

Action

None.

ESWP409E | CGRS409E | FMMS409E | SCFS409E

```
(rrrrr) (PID ppppp) R1=>R2 RDY failed.
```

Cause

The ready of the R2 device failed when swapping from an R1 to an R2.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESWP410I | CGRS410I | FMMS410I | SCFS410I

```
(rrrrr) (PID ppppp) R2=>R1 RDY failed.
```

Cause

The ready of the R1 device failed when swapping from an R2 to an R1.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine the reason for the failure, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation, including the SYSLOG and job log.

ESWP411E | CGRS411E | FMMS411E | SCFS411E

```
(rrrrr) (PID ppppp) EMCSCF Cross System Communication is not active on ctrl# symms.
```

Cause

AutoSwap is attempting to communicate to other AutoSwap via the indicated storage system. However, the CSC is not active on this storage system. This can occur if SCF has been started or reinitialized with an EXCLUDE list containing all devices for the indicated storage system.

Action

Check whether SCF and the CSC is active. The CSC can be verified using the SCF command CSC,DISPLAY,HOSTS. If the CSC is active on the indicated storage system, check to see whether there are any additional messages produced by SCF to describe the reason for the failure. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine the reason for the failure, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation, including the SYSLOG and job log.

ESWP412I | CGRS412I | FMMS412I | SCFS412I

```
(rrrrr) AutoSwap options already set, no changes applied.
```

Cause

A SET SOPT command was entered to change the default AutoSwap options. However, the AutoSwap options specified on the SET command have already been set. The current default AutoSwap options can be displayed using the DISPLAY SOPT command.

Action

None.

ESWP413I | CGRS413I | FMMS413I | SCFS413I

```
(rrrrr) Scheduled SWAP of group swapgrp has been cancelled due to quiesce.
```

Cause

A SWAP command was entered for the group, however the group was undergoing validation and the swap was scheduled to follow the validation. A condition was detected which caused the group to become quiesced. Other messages will have been produced to indicate why the quiesce occurred. The scheduled swap has been cancelled.

Action

Examine other messages to determine why the group was quiesced. If the reason cannot be determined, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine the reason for the failure, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation, including the SYSLOG and job log.

ESWP414I | CGRS414I | FMMS414I | SCFS414I

```
(rrrrr) (PID ppppp) Prior failed SWAP attempt reset.
```

Cause

A prior swap attempt of the device failed. However, it will be reconsidered for swap due to a new request. The device pair will be revalidated for swap.

Verbose Level: 3

Action

None.

ESWP415W | CGRS415W | FMMS415W | SCFS415W

```
ENF listen for ENFPCeee failed RC xxxxxxxx.
```

Cause

An ENF listen request using the ENFREQ service failed for event *eee*. The MVS Authorized Assembler Services Reference Manual for ENFREQ contains a description of the return codes from this service.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESWP416E | CGRS416E | FMMS416E | SCFS416E

```
(rrrrr) (PID ppppp) Group swapgrp 'FROM'/'TO' sccuu/sccuu, no longer valid by host host (host-id).
```

Cause

A host has detected a change in the configuration such that the device can no longer be swapped. Further detail will be produced on the host to indicate the reason for this failure.

Action

Refer to additional messages produced by the host.

ESWP417W | CGRS417W | FMMS417W | SCFS417W

```
(rrrrr) (PID ppppp) Could not read the 'TO' device sccuu volser,
redrive xxxx of yyyy.
```

Cause

An error occurred when attempting to read the TO device volume serial. The processing will be retried for the number of times indicated by yyyy.

Action

None.

ESWP418W | CGRS418W | FMMS418W | SCFS418W

```
(rrrrr) (PID ppppp) Waiting for AutoSwap SWAP serialization for
count secs.
```

Cause

AutoSwap is attempting to serialize the device for swap processing. However, another AutoSwap group is currently performing validation on the device. Serialization is retried until it gains access to the device or until 5 minutes.

Action

None.

ESWP419E | CGRS419E | FMMS419E | SCFS419E

```
(rrrrr) (PID ppppp) I/O not quiesced for sccuu [sccuu (alias)]?[
; count sec. wait exceeded.]
```

Cause

A swap is being attempted for the indicated device. However, there is still outstanding I/O on the indicated device and or aliases. This message is displayed at 30 second intervals until I/O has completed.

When the total quiesce wait time is exceeded, `wait exceeded` is shown. In this case swap processing fails. By default the wait time is the MIH (Missing Interrupt Handler) period set for the device.

Action

Check for other z/OS generated messages to determine the reason for the message. For example, a start pending condition.

If the swap fails then the period of time might be too small. Increase the value using the QUIESCETIMEOUT option. If the reason for a failure cannot be determined, contact the Dell EMC Customer Support Center.

ESWP419W | CGRS419W | FMMS419W | SCFS419W

```
(rrrrr) (PID ppppp) I/O not quiesced for sccuu [sccuu (alias)]?
```

Cause

A swap is being attempted for the indicated device. However, there is still outstanding I/O on the indicated device and or aliases. This message is displayed at 30 second intervals until I/O has completed.

By default the wait time is the MIH (Missing Interrupt Handler) period set for the device.

Action

Check for other z/OS generated messages to determine the reason for the message. For example, a start pending condition. If the swap fails then the period of time might be too small. Increase the value using the QUIESCETIMEOUT option. If the reason for a failure cannot be determined then contact the Dell EMC Customer Support Center.

ESWP420W | CGRS420W | FMMS420W | SCFS420W

```
(rrrrr) (PID ppppp) Alias bind for device sccuu failed RS rs, use VARY sccuu, UNCOND.
```

Cause

AutoSwap has attempted to rebind the alias for the indicated device. However, the bind failed. This could occur due to a timeout condition. For example, another host could have the device reserved.

For a detailed description of the RS reason codes, see message CGRS670I.

Action

Issue the VARY *sccuu*, ONLINE, UNCOND operator command to rebind the device alias.

ESWP421W | CGRS421W | FMMS421W | SCFS421W

```
(rrrrr) (PID ppppp) 'FROM' device sccuu is not RDF; non-RDF SWAP.
```

Cause

The FROM device is not an SRDF device. However, this processing was initiated by an external product requesting a non-SRDF swap. Processing continues.

Verbose Level: 4

Action

None.

ESWP422W | CGRS422W | FMMS422W | SCFS422W

```
(rrrrr) (PID ppppp) 'TO' device sccuu is not RDF; non-RDF SWAP.
```

Cause

The TO device is not an SRDF device. However, this processing was initiated by an external product requesting a non-SRDF swap. Processing continues.

Verbose Level: 4

Action

None.

ESWP423W | CGRS423W | FMMS423W | SCFS423W

```
(rrrrr) (PID ppppp) SymDV#/Ctrl# 'FROM' symdv#/symms, 'TO' symdv#/symms do not point to each other; non-RDF SWAP.
```

Cause

The FROM and TO devices are SRDF devices that do not point to each other. However, an external product requesting a non-SRDF swap initiated this processing. Processing continues.

Verbose Level: 4

Action

None.

ESWP424W | CGRS424W | FMMS424W | SCFS424W

```
(rrrrr) (PID ppppp) 'FROM' and 'TO' device are both {R1|R2}; non-RDF SWAP.
```

Cause

The FROM and TO devices are both of the same SRDF personality (both R1 or both R2). However, an external product requesting a non-SRDF swap initiated this processing. Processing continues.

Verbose Level: 4

Action

None.

ESWP425W | CGRS425W | FMMS425W | SCFS425W

```
(rrrrr) (PID ppppp) 'FROM'/'TO' sccuu/sccuu SWAP bypassed; another active on this host.
```

Cause

A swap request has been bypassed as another one for the same device is being performed by another AutoSwap active on this host.

Action

None.

ESWP426I | CGRS426I | FMMS426I | SCFS426I

```
(rrrrr) MAXLINECOUNT nnnnn already set.
```

Cause

A SET MAXLINECOUNT command was entered. However, the specified line count maximum nnnnn is already set. The current global options can be displayed using the DISPLAY GOPT command.

Action

None.

ESWP427I | CGRS427I | FMMS427I | SCFS427I

```
(rrrrr) MAXLINECOUNT line_count has been set
```

Cause

A SET MAXLINECOUNT command was entered. The specified line count maximum is now active.

Action

None.

ESWP428W | CGRS428W | FMMS428W | SCFS428W

```
(rrrrr) MAXLINECOUNT line_count has been set less than default. Default reduced from value.
```

Cause

A SET MAXLINECOUNT command was entered. The specified line count maximum is now active. This value is less than the currently set default line count value causing the default line count to be reduced to the same *line_count* value. Multi-line variable display output as a result of a Display Group command is now limited to, and defaults to, this number of lines.

Action

None.

ESWP429I | CGRS429I | FMMS429I | SCFS429I

```
(rrrrr) DEFAULTLINECOUNT line_count already set.
```

Cause

A SET DEFAULTLINECOUNT command was entered. However the selected line count default is already set.

Action

None.

ESWP430I | CGRS430I | FMMS430I | SCFS430I

```
(rrrrr) DEFAULTLINECOUNT line_count has been set.
```

Cause

A SET DEFAULTLINECOUNT command was entered. The specified line count default is now active. Multi-line variable display output as a result of a DISPLAY GROUP command now uses this default value.

Action

None.

ESWP431E | CGRS431E | FMMS431E | SCFS431E

```
(rrrrr) DEFAULTLINECOUNT line_count cannot be higher than the maximum line count line_count.
```

Cause

A SET DEFAULTLINECOUNT command was entered. However the specified value is higher than the currently set MAXLINECOUNT value.

Action

The current global options can be displayed using the DISPLAY GOPT command. Specify a lower DEFAULTLINECOUNT value or increase the MAXLINECOUNT value.

ESWP432I | CGRS432I | FMMS432I | SCFS432I

```
Unplanned request for device sccuu: text
```

Cause

An unplanned condition has been recognized for the indicated device and a request has been generated for AutoSwap to swap the device. The unplanned condition was set by the UnplannedCondition keyword when the group was defined:

- **No-Paths** - AutoSwap detected a loss of access to a device. In addition to no physical paths being available, AutoSwap triggers a no-path condition in the additional following circumstances :
 - **No-Paths due to BOXED** - The device was undergoing box processing either via operator command (V *ddd*,OFFLINE,FORCE) or by IOS to preserve data integrity on the device.
 - **No-Paths due to BOXED RESERVE lost** - The device was undergoing box processing due to a RESERVE loss condition. This is detected during path or device recovery processing in IOS path validation.
 - **No-Paths due to PAGE INTREQ** - The paging device generated an intervention required (intreq) possibly due to a NRDY condition and InterventionRequired is not a UnplannedCondition. Normally an intreq on a paging device results in a disabled WTOR and likely loss of the LPAR. To avert this situation, AutoSwap will consider this as a swap trigger if NoPaths is specified.
- **Intervention-Required** - AutoSwap detected an intervention condition. This would normally occur due to the device being NRDY.

The IOS messages, which are normally produced for the indicated condition, might be suppressed as AutoSwap recognizes and acts on the condition prior to IOS generating a message. However, in some cases IOS may also produce a message to indicate that the condition was recognized for the device.

Action

None.

ESWP433W | CGRS433W | FMMS433W | SCFS433W

```
(rrrrr) Group swapgrp idle with unplanned requests queued.
```

Cause

The indicated group has completed processing swap requests, however there are still unplanned requests queued for processing. The outstanding swap requests will be processed.

Action

This could indicate a malfunction in the swap detection processing. The device will be swapped after this message is produced. Contact the Dell EMC Customer Support Center.

ESWP434W | CGRS434W | FMMS434W | SCFS434W

```
(rrrrr) Group swapgrp VALIDATE cancelled due to unplanned request.
```

Cause

The AutoSwap group was being validated when an unplanned event occurred (see message ESWP432I | CGRS432I | FMMS432I | SCFS432I). Validate processing will be suspended to allow the unplanned AutoSwap request(s) to be serviced.

Action

If a validate of the group is required following the completion of the unplanned AutoSwap request(s), then use the AutoSwap VALIDATE operator command.

ESWP435E | CGRS435E | FMMS435E | SCFS435E

```
EMCSCF Version vv.rr too low for AutoSwap
```

Cause

AutoSwap has been started with SCF at an incompatible level.

Action

SCF must be at version 5.2 or later. Restart AutoSwap with SCF at the required level. The *ResourcePak Base for z/OS Product Guide* discusses SCF.

ESWP436I | CGRS436I | FMMS436I | SCFS436I

```
AutoSwap active with EMCSCF Version vv.rr.
```

Cause

AutoSwap has been started with SCF at the indicated level.

Action

None.

ESWP437W | CGRS437W | FMMS437W | SCFS437W

```
EMCSCF is not active.
```

Cause

SCF was not active at AutoSwap startup.

Action

SCF must be active to perform processing with AutoSwap. AutoSwap will not swap shared devices if SCF is not active. Restart AutoSwap with an available SCF or start SCF. The *ResourcePak Base for z/OS Product Guide* describes SCF.

ESWP438W | CGRS438W | FMMS438W | SCFS438W

```
(rrrrr) (PID ppppp) Checkpoint nn system count mismatch bypassed,
expecting xxxx, got yyyy.
```

Cause

The number of systems expecting to respond for a swap checkpoint did not match the required value. However, the FORCE=LOSTSYSTEM option was specified for the group, indicating that the swap is allowed to continue.

Exercise caution using this option if FORCE=NOLINK was additionally specified. If message ESWP284W | CGRS284W | FMMS284W | SCFS284W was issued, it is possible that the FROM device, which could not be set to a Not Ready state, could still be updated by another host.

Action

Verify that hosts, which were lost during the swap processing, are no longer active and using the FROM device. The CSC,DISPLAY,HOSTS command may be used to verify the systems available to swap process, as described in the *ResourcePak Base for z/OS Product Guide*.

ESWP439E | CGRS439E | FMMS439E | SCFS439E

```
(rrrrr) Group swapgrp, ID seq# SWAP by command is not allowed.
```

Cause

An AutoSwap SWAP command was requested by operator command for the indicated group. However, the group was defined through the AutoSwap API and cannot be swapped by operator command.

Action

Groups may be defined via API for particular product applications. The swap processing is under the control of that application and cannot be initiated via AutoSwap SWAP command. Determine the creator of the group and refer to any specific product documentation.

ESWP440I | CGRS440I | FMMS440I | SCFS440I

```
(rrrrr) (PID ppppp) Phase zz, cross system notification.
```

Cause

AutoSwap is performing the cross system notification as part of the indicated phase. If this is the group owner and the PID represents a shared device, other hosts are involved in the processing at this point.

Verbose Level: 2

Action

None.

ESWP441W | CGRS441W | FMMS441W | SCFS441W

```
(rrrrr) Group swapgrp device sort failed, RC xxxxxxxx.
```

Cause

An internal service has failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine the reason for the failure, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation, including the SYSLOG and job log.

ESWP442I | CGRS442I | FMMS442I | SCFS442I

```
(rrrrr) (PID ppppp) Phase zz, initialize device state information.
```

Cause

AutoSwap is performing initial processing on the device as part of the indicated phase. This includes resetting any internal indicators from prior processing.
Verbose Level: 2

Action

None.

ESWP443E | CGRS443E | FMMS443E | SCFS443E

```
(rrrrr) (PID ppppp) Device sort failed, RC xxxxxxxx.
```

Cause

An internal service has failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.
If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESWP445W | CGRS445W | FMMS445W | SCFS445W

```
(rrrrr) (PID ppppp) FORCE=NOLINK was specified but is not applicable on R2=>R1 SWAP.
```

Cause

An AutoSwap R2 to R1 swap is being attempted, however the R2 cannot be accessed either remotely (SRDF link is not available) or directly. The AutoSwap option FORCE=NOLINK was specified. This has no meaning for an R2 to R1 swap as the R1 must be able to restore modified data from the R2 to ensure a valid R1 copy. AutoSwap fails the swap attempt.

Action

Determine the reason for the link unavailability and try the swap again. The SRDF Host Component commands #SQ LINK and #SQ VOL and operating system command DS P can be used to determine access to the device.

ESWP447W | CGRS447W | FMMS447W | SCFS447W

```
(rrrrr) (PID ppppp) {SWAP|VALIDATE} waiting count secs for cross system request to be accepted by EMCSCF CSC.
```

Cause

The indicated request (VALIDATE or SWAP) is waiting for the SCF Cross System Communication component (CSC) to accept a cross system request. However, the CSC has not yet accepted the request from AutoSwap. This could indicate that the CSC is very busy or that it cannot process the request due to a missing gatekeeper.

Action

Check other messages to determine whether any additional action is required. In particular, check for SCF messages that might be delaying the AutoSwap request; for example, the gatekeeper messages SCF0603W and SCF0604E.

ESWP448W | CGRS448W | FMMS448W | SCFS448W

```
(rrrrr) (PID ppppp) Checkpoint nn waiting count secs for cross
system request to be accepted by EMCSCF CSC.
```

Cause

During a SWAP request the indicated checkpoint is waiting for the SCF Cross System Communication component (CSC) to accept a cross system request. However, the CSC has not yet accepted the request from AutoSwap. This could indicate that the CSC is very busy or that it cannot process the request due to a missing gatekeeper.

Action

Check other messages to determine whether any additional action is required. In particular check for SCF messages that might be delaying the AutoSwap request; for example, the gatekeeper messages SCF0603W and SCF0604E.

ESWP449W | CGRS449W | FMMS449W | SCFS449W

```
(rrrrr) (PID ppppp) Request delayed, currently being processed
under PID ppppp.
```

Cause

The indicated PID could not be processed immediately as it is being processed with another PID as part of ranged device processing.

Action

The request will be processed as soon as the PID completes processing.

ESWP450I | CGRS450I | FMMS450I | SCFS450I

```
(rrrrr) (PID ppppp) Phase zz, cross system checkpoint 1.
```

Cause

AutoSwap is performing the first cross system checkpoint as part of the indicated phase (zz). This checkpoint ensures that all I/O is quiesced on all shared systems prior to moving to the next phase. If this is not a cross system request, the checkpoint will not be processed.

Action

None.

ESWP451I | CGRS451I | FMMS451I | SCFS451I

```
(rrrrr) (PID ppppp) Phase zz, cross system checkpoint 2.
```

Cause

AutoSwap is performing the second cross system checkpoint as part of the indicated phase (zz). This ensures that all systems are synchronized with the SRDF reconfiguration prior to moving to the next phase. Only the group owning system performs the actual reconfiguration. Other shared systems wait for the completion of the checkpoint to ensure that the devices are in the correct state before moving to the next phase. If this is not a cross system request, the checkpoint will not be processed.

Verbose Level: 2

Action

None.

ESWP452I | CGRS452I | FMMS452I | SCFS452I

```
(rrrrr) (PID ppppp) Phase zz, cross system checkpoint 3.
```

Cause

AutoSwap is performing the third cross system checkpoint as part of the indicated phase (zz). This checkpoint ensures that any reserves held on the FROM devices are transferred to the TO devices prior to moving to the next phase. If this is not a cross system request, the checkpoint will not be processed.

Verbose Level: 2

Action

None.

ESWP453I | CGRS453I | FMMS453I | SCFS453I

```
(rrrrr) (PID ppppp) Phase zz, cross system checkpoint 4.
```

Cause

AutoSwap is performing the fourth cross system checkpoint as part of the indicated phase (zz). This checkpoint ensures that all UCB swaps have been completed successfully prior to moving to the next phase. If this is not a cross system request, the checkpoint will not be processed. The successful conclusion of this phase indicates that the swap was successful.

Verbose Level: 2

Action

None.

ESWP454I | CGRS454I | FMMS454I | SCFS454I

```
(rrrrr) (PID ppppp) Phase zz, swap done.
```

Cause

Phase following the final checkpoint to indicate the swap was done and considered successful.

Verbose Level: 2

Action

None.

ESWP455I | CGRS455I | FMMS455I | SCFS455I

```
(rrrrr) All devices in group swapgrp will be swapped due to UNPLANNED=ALL.
```

Cause

An unplanned AutoSwap condition was triggered as indicated by message ESWP432I | CGRS432I | FMMS432I | SCFS432I. As UNPLANNED=ALL was specified, all devices will be swapped in the indicated group.

Action

None.

ESWP456I | CGRS456I | FMMS456I | SCFS456I

```
(rrrrr) Group swapgrp pre-validation will be performed prior to SWAP due to SWAPCONTROL.
```

Cause

Either SWAPCONTROL=BYRANGE or BYGROUP was specified for the indicated group. To evaluate the ranges of devices required to perform this processing, AutoSwap will prevalidate the group prior to performing swap processing

Action

None.

ESWP457E | CGRS457E | FMMS457E | SCFS457E

```
(rrrrr) (PID ppppp) nnnnn of mmmmm R2 did not go R/W.
```

Cause

AutoSwap attempted to make a number (*mmmmm*) of R2s Read/Write; however, some or all of those (*nnnnn*) failed to change status. Message ESWP012E | CGRS012E | FMMS012E | SCFS012E is produced prior to this message to indicate the devices that failed.

AutoSwap might attempt to try the request again. If AutoSwap cannot retry, or the retry fails, backout processing is initiated. If this message has been produced as a result of backout processing, AutoSwap could not return the device to its original R/W state.

Action

Examine the AutoSwap console messages for any other information leading to the failure and (or) examine the status of the device(s) using SRDF Host Component, indicated by the ESWP012E | CGRS012E | FMMS012E | SCFS012E message, to determine the reason for the failure.

Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine the reason for the failure, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation, including the SYSLOG and job log.

ESWP458E | CGRS458E | FMMS458E | SCFS458E

```
(rrrrr) (PID ppppp) nnnnn of mmmmm R2 did not go RO.
```

Cause

AutoSwap attempted to make a number (*mmmmm*) of R2s read only; however, some or all of those (*nnnnn*) failed to change status. Message ESWP013E | CGRS013E | FMMS013E | SCFS013E is produced prior to this message to indicate the devices that failed.

AutoSwap might attempt to try the request again. If AutoSwap cannot retry, or the retry fails, backout processing is initiated. If this message has been produced as a result of backout processing, AutoSwap could not return the device to its original read only state.

Action

Examine the AutoSwap console messages for any other information leading to the failure and (or) examine the status of the device(s) using SRDF Host Component, indicated by the ESWP013E | CGRS013E | FMMS013E | SCFS013E message, to determine the reason for the failure.

Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine the reason for the failure, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation, including the SYSLOG and job log.

ESWP459E | CGRS459E | FMMS459E | SCFS459E

```
(rrrrr) (PID ppppp) nnnnn of mmmmm R1 did not go TNR.
```

Cause

AutoSwap attempted to make a number (*mmmmm*) of R1s Target Not Read (TNR);

however, some or all of those (*nnnnn*) failed to change status. Message ESWP011E | CGRS011E | FMMS011E | SCFS011E is produced prior to this message to indicate the R1 devices (and possibly the R2 affected device) that failed.

AutoSwap might attempt to try the request again. If AutoSwap cannot retry, or the retry fails, backout processing will be initiated. If this message has been produced as a result of backout processing, AutoSwap could not return the device to its original TNR state.

Action

Examine the AutoSwap console messages for any other information leading to the failure and (or) examine the status of the device(s) using SRDF Host Component, indicated by the ESWP011E | CGRS011E | FMMS011E | SCFS011E message, to determine the reason for the failure.

Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine the reason for the failure, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation, including the SYSLOG and job log.

ESWP460E | CGRS460E | FMMS460E | SCFS460E

```
(rrrrr) (PID ppppp) nnnnn of mmmmm R1 did not go TR.
```

Cause

AutoSwap attempted to make a number (*mmmmm*) of R1s Target Ready (TR); however, some or all of those (*nnnnn*) failed to change status. Message ESWP014E | CGRS014E | FMMS014E | SCFS014E is produced prior to this message to indicate the R1 devices (and possibly the R2 affected device) that failed.

AutoSwap might attempt to try the request again. If AutoSwap cannot retry, or the retry fails, backout processing will be initiated. If this message has been produced as a result of backout processing, AutoSwap could not return the device to its original TR state.

Action

Examine the AutoSwap console messages for any other information leading to the failure and (or) examine the status of the device(s) using SRDF Host Component, indicated by the ESWP014E | CGRS014E | FMMS014E | SCFS014E message, to determine the reason for the failure.

Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine the reason for the failure, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation, including the SYSLOG and job log.

ESWP461E | CGRS461E | FMMS461E | SCFS461E

```
(rrrrr) (PID ppppp) nnnnn of mmmmm {R1|R2} did not go RDF-NRDY.
```

Cause

AutoSwap attempted to make a number (*mmmmm*) of R1 or R2s SRDF Not Ready; however, some or all of those (*nnnnn*) failed to change status. Message ESWP081E | CGRS081E | FMMS081E | SCFS081E is produced prior to this message to indicate the devices that failed.

AutoSwap might attempt to try the request again. If AutoSwap cannot retry, or the retry fails, backout processing will be initiated. If this message has been produced as a result of backout processing, AutoSwap could not return the device to its original RDF-NRDY state.

Action

Examine the AutoSwap console messages for any other information leading to the failure and (or) examine the status of the device(s) using SRDF Host Component, indicated by the ESWP081E | CGRS081E | FMMS081E | SCFS081E message, to determine the reason for the failure.

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for

applicable solutions relating to this message ID. If you cannot determine the reason for the failure, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation, including the SYSLOG and job log.

ESWP462E | CGRS462E | FMMS462E | SCFS462E

```
(rrrrr) (PID ppppp) nnnnn of mmmmm R2 did not go RDY.
```

Cause

AutoSwap attempted to make a number (*mmmmm*) of R2s Ready; however, some or all of those (*nnnnn*) failed to change status. Message ESWP083E | CGRS083E | FMMS083E | SCFS083E is produced prior to this message to indicate the devices that failed.

AutoSwap might attempt to try the request again. If AutoSwap cannot retry, or the retry fails, backout processing is initiated. If this message has been produced as a result of backout processing, AutoSwap could not return the device to its original Ready state.

Action

Examine the AutoSwap console messages for any other information leading to the failure and (or) examine the status of the device(s) using SRDF Host Component, indicated by the ESWP083E | CGRS083E | FMMS083E | SCFS083E message, to determine the reason for the failure.

Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESWP463E | CGRS463E | FMMS463E | SCFS463E

```
(rrrrr) (PID ppppp) nnnnn of mmmmm R2 did not go NRDY.
```

Cause

AutoSwap attempted to make a number (*mmmmm*) of R2s Not Ready; however, some or all of those (*nnnnn*) failed to change status. Message ESWP083E | CGRS083E | FMMS083E | SCFS083E is produced prior to this message to indicate the devices that failed.

AutoSwap might attempt to try the request again. If AutoSwap cannot retry, or the retry fails, backout processing will be initiated. If this message has been produced as a result of backout processing, AutoSwap could not return the device to its original Ready state.

Action

Examine the AutoSwap console messages for any other information leading to the failure and (or) examine the status of the device(s) using SRDF Host Component, indicated by the ESWP083E | CGRS083E | FMMS083E | SCFS083E message, to determine the reason for the failure.

Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESWP464E | CGRS464E | FMMS464E | SCFS464E

```
(rrrrr) (PID ppppp) Device sccuu ONLINE due to AutoSwap DCE processing. Device taken OFFLINE.
```

Cause

AutoSwap performed an internal vary device request to build the DCE (DASD Class Extension) in readiness for swap processing. However, the device was inadvertently varied online by this processing. This should not occur where the FROM and TO devices are duplicate copies because the volsers should match, which will prevent duplicate volumes being online at the same time. AutoSwap will vary the device offline and will not proceed with the swap

Action

Examine the AutoSwap messages to determine the partner device for the indicated device and the reason why the volsers did not match.

Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESWP465I | CGRS465I | FMMS465I | SCFS465I

```
(rrrrr) (PID ppppp) Phase zz, check and initialize DCE.
```

Cause

AutoSwap is performing DCE (DASD Class Extension) build processing as the indicated phase (zz). The DCE is built in readiness of the swap processing.

Action

None.

ESWP466E | CGRS466E | FMMS466E | SCFS466E

```
(rrrrr) Group swapgrp backout processing initiated; quiesce reset.
```

Cause

AutoSwap has detected an error during the processing of a swap request such that all actively swapping devices in the group must be backed out. If this is a BYGROUP swap request (set by the SWAPCONTROL keyword), all devices are backed out to preserve data consistency.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESWP467E | CGRS467E | FMMS467E | SCFS467E

```
(rrrrr) Group swapgrp backout processing initiated in abend recovery.
```

Cause

AutoSwap has detected an ABEND during the processing of a swap request such that all actively swapping devices in the group must be backed out. If this is a BYGROUP swap request (set by the SWAPCONTROL keyword), all devices are backed out to preserve data consistency.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESWP468E | CGRS468E | FMMS468E | SCFS468E

```
(rrrrr) RC xxxxxxxx exceeds allowable MAXRC yyyyyyyy. Processing quiesced. [Group processing disabled.]
```

Cause

AutoSwap has detected a condition during processing of a SWAP or VALIDATE request such that a generated RC (xxxxxxx; displayed as a decimal value) from the processing exceeds the maximum allowed return code (yyyyyyy; displayed as a decimal value). The

maximum allowed return code is set by the AutoSwap option MAXRC. Processing is now quiesced, active requests are allowed to complete and no new requests are stated for the group. Where the group is defined with SWAPCONTROL=BYGROUP, the group now becomes disabled and further swap processing will not be allowed.

Action

Other messages are created to indicate the reason for the RC. The maximum allowed RC may be examined using the AutoSwap Display Group SOPT command. The MAXRC value may be increased to allow the error to be logged and processing continue. Additional options might be specifiable to allow for error conditions (for example, AllowSnapSession) and permit the swap to be processed.

ESWP469W | CGRS469W | FMMS469W | SCFS469W

```
Group swapgrp, ID seq# is active and cannot be created and  
REPLACed by host host (host-id).
```

Cause

A cross system group definition request for the indicated group was requested by the indicated host. The group definition on that host has the REPLACE specification allowing the group to replace an inactive group. However, the group is already defined and is active on the current AutoSwap.

Action

The group may be examined on the current host using the AutoSwap Display Group command. If the group is not to be active, delete the group using the AutoSwap DELETE command and try the processing on the host again. If the group conflicts with a group on the current host, change the group name on the host to be a unique value.

ESWP470I | CGRS470I | FMMS470I | SCFS470I

```
(rrrrr) Group swapgrp CFW option changed to OffValidation due to  
SWAPCONTROL.
```

Cause

The AutoSwap CFW (Cache Fast Write) option of OFF or RESUME was specified for the group. However, either SWAPCONTROL=BYRANGE or BYGROUP was also specified. The CFW option is inconsistent with the allowable values for this type of swap control and therefore changes the value of CFW to OFFVAL. This will result in CFW being turned off during validation processing rather than at swap time.

Action

If CFW is to remain on until the swap occurs, the AutoSwap CFW value ALLOW may be specified. However, this will result in active jobs using CFW (for example, Synchsort) failing at the time the swap occurs and CFW will not be turned on to the target device storage system SSID.

ESWP471W | CGRS471W | FMMS471W | SCFS471W

```
(rrrrr) (PID ppppp) Device sccuu volser change cannot be performed  
for R2=>R1 swap.
```

Cause

The AutoSwap ChangeSourceDevice (CSD) option has been specified to modify the FROM device volser following a successful swap. However, this is not valid where the FROM device is an R2. The request to change the volser is ignored.

Action

None.

ESWP472W | CGRS472W | FMMS472W | SCFS472W

```
(rrrrr) 'TO' device cannot be located as 'FROM' device for  
SymDV#/Ctrl# symdv#/symms was not resolved.
```

Cause

AutoSwap could not determine the TO device as the FROM device was not resolved.

Action

If the device cannot be located because it is in the SCF EXCLUDE list, and the device is to be processed, add the device to the SCF INCLUDE list, as described in the *ResourcePak Base for z/OS Product Guide*.

ESWP473W | CGRS473W | FMMS473W | SCFS473W

```
(rrrrr) Group swapgrp SWAP ALL processing bypassed; another active  
on this host.
```

Cause

An AutoSwap SWAP request was performed for the group. Another AutoSwap on the same host is also active for this group and will process the SWAP. This indicates that more than one AutoSwap is active on the host.

Action

None.

ESWP474W | CGRS474W | FMMS474W | SCFS474W

```
(rrrrr) (PID ppppp) 'FROM' device sccuu has an active Concurrent  
Copy (CC) session; bypassed.
```

Cause

AutoSwap has detected a concurrent copy (CC) session active on the indicated FROM device. AllowConcurrentCopy was specified for the group, allowing this device to be processed with this condition.

Action

If the concurrent copy (CC) session is active at the time the swap takes place, the job utilizing the concurrent copy session will fail. If AutoSwap is not to allow this condition, change the AutoSwap option for the group to (or to the global AutoSwap options) NoAllowConcurrentCopy and delete or validate the group.

ESWP475W | CGRS475W | FMMS475W | SCFS475W

```
(rrrrr) (PID ppppp) 'FROM' device sccuu has an active snap source  
device session; bypassed.
```

Cause

AutoSwap has detected an active snap session for a source device on the indicated FROM device. AllowSnapSession was specified for the group allowing this device to be processed with this condition.

The detection of this condition does not necessarily mean that a snap is current in progress, only that an active source snap session has been detected.

Action

Further detail on snap source and target usage may be obtained using the TimeFinder/Clone Mainframe Snap Facility command QUERY VOLUME. Completed snap sessions for source devices may be cleaned up using the TimeFinder/Clone Mainframe Snap Facility command CLEANUP EXTENT TRACK ON UNIT.

The *TimeFinder/Clone Mainframe Snap Facility Product Guide* presents more information about these commands.

If AutoSwap is not to bypass this condition, change the AutoSwap option for the group (or to the global AutoSwap options) to NoAllowSnapSession and delete or validate the group.

ESWP476E | CGRS476E | FMMS476E | SCFS476E

```
(rrrrr) (PID ppppp) 'FROM' device sccuu cannot have an active snap source device session.
```

Cause

AutoSwap has detected an active snap session for a source device on the indicated FROM device. NoAllowSnapSession was specified for the group causing a validation to fail. The detection of this condition does not necessarily mean that a snap is current in progress, only that an active source snap session has been detected.

Action

Further detail on snap source and target usage may be obtained using the TimeFinder/Clone Mainframe Snap Facility command QUERY VOLUME. Completed snap sessions for source devices may be cleaned up using the TimeFinder/Clone Mainframe Snap Facility command CLEANUP EXTENT TRACK ON UNIT. The *TimeFinder/Clone Mainframe Snap Facility Product Guide* presents more information about these commands.

If AutoSwap is to bypass this condition, change the AutoSwap option for the group (or to the global AutoSwap options) to AllowSnapSession and delete or validate the group.

ESWP477W | CGRS477W | FMMS477W | SCFS477W

```
(rrrrr) (PID ppppp) 'FROM' device sccuu might be in use as a snap target device; bypassed.
```

Cause

AutoSwap has detected that the indicated FROM device has been, or is currently being, used as a snap target device. AllowSnapSession was specified for the group allowing this device to be processed with this condition. The detection of this condition does not necessarily mean that a snap is current in progress, only that the device has been used as a snap target device.

Action

You can obtain further details about snap source and target usage using the TimeFinder/Clone Mainframe Snap Facility command QUERY VOLUME described in the *TimeFinder/Clone Mainframe Snap Facility Product Guide*.

If AutoSwap is to not to bypass this condition, change the AutoSwap option for the group to NoAllowSnapSession and delete or validate the group.

ESWP478E | CGRS478E | FMMS478E | SCFS478E

```
(rrrrr) (PID ppppp) 'FROM' device sccuu might be in use as a snap target device.
```

Cause

AutoSwap has detected that the indicated FROM device has been, or is currently being, used as a snap target device. NoAllowSnapSession was specified for the group causing a validation to fail. The detection of this condition does not necessarily mean that a snap is current in progress, only that the device has been used as a snap target device.

Action

You can obtain further detail about snap source and target usage using the TimeFinder/Clone Mainframe Snap Facility command QUERY VOLUME described in the *TimeFinder/Clone Mainframe Snap Facility Product Guide*.

If AutoSwap is to bypass this condition, change the AutoSwap option for the group (or to the global AutoSwap options) to AllowSnapSession and delete or validate the group.

ESWP479E | CGRS479E | FMMS479E | SCFS479E

```
AutoSwap support is not installed.
```

Cause

A command was entered to use the auto swap support of AutoSwap in an environment where CAX is not installed.

Action

If CAX support is not installed and is required, contact the Dell EMC Customer Support Center. If CAX is installed, ensure that the correct AutoSwap server environment is being used.

Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESWP480E | CGRS480E | FMMS480E | SCFS480E

```
(rrrrr) (PID ppppp) 'FROM'/'TO' sccuu/sccuu cannot swap device out of ConGroup cngrp1 to cngrp2.
```

Cause

The indicated FROM device is in consistency group *cngrp1* and the TO device is in consistency group *cngrp2*. To prevent a device from being moved out of a consistency group, and therefore create a possible consistency failure, AutoSwap does not allow the device to be swapped.

A ConGroup value of ****None**** is displayed where a consistency group was not located for the device.

Action

If the device must be swapped out of the indicated consistency group, the consistency group must be disabled. After the swap is complete, the consistency group may be enabled.

The *Consistency Groups for z/OS Product Guide* presents information about enabling and disabling consistency groups.

ESWP481E | CGRS481E | FMMS481E | SCFS481E

```
(rrrrr) (PID ppppp) 'FROM' device sccuu must be in ConGroup cngrp1, is in cngrp2.
```

Cause

The indicated FROM device is part of a consistency group defined as a ConGroup continuous available group and must be contained in the indicated consistency group *cngrp1*, however it has been located in the consistency group *cngrp2*. The group name *cngrp1* is the same as the AutoSwap group name. AutoSwap will verify that the group may be defined on all accessible hosts and the groups are consistent with ConGroup on these hosts.

A ConGroup value of ****None**** is displayed where a consistency group was not located for the device.

This error can indicate a mismatch in consistency group definitions between LPARs.

Action

Ensure that the indicated device is contained in the indicated group and that the group is enabled.

The *Consistency Groups for z/OS Product Guide* presents information about continuously available group definitions.

ESWP482W | CGRS482W | FMMS482W | SCFS482W

```
(rrrrr) (PID ppppp) ConGroup cngrp has precluded AutoSwap swap processing in phase zz (llll/mmmmm).
```

Cause

An AutoSwap swap was initiated for a continuous available group. However, during the swap process a condition has occurred such that ConGroup is preventing (precluding) the swap completing. This would normally occur due to an SRDF link failure during the swap processing. AutoSwap was currently processing the indicated phase. *llll* and *mmmm* indicate diagnostic information relating to the consistency group and AutoSwap lock status.

Action

Examine the ConGroup system messages (WTOs) for information as to why ConGroup precluded AutoSwap. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESWP483S | CGRS483S | FMMS483S | SCFS483S

```
(rrrrr) AutoSwap group swapgrp has lost access to owner host host (host-id). Lost owner policy instigated.
```

Cause

An AutoSwap swap is in progress for the indicated group and this is not the owner host. During the swap it has been found that the owner host cannot be contacted through the SCF Cross System Communication component. Message ESWP484E | CGRS484E | FMMS484E | SCFS484E is displayed to indicate the known reasons for the loss of contact with the owner host. A lost owner policy was defined for this group and will be instigated to prevent incorrect data access.

Action

Examine the message ESWP484E | CGRS484E | FMMS484E | SCFS484E to determine the reason for the lost access. If the lost owner policy is set to OPERATOR, AutoSwap will DOM the message if access to the owner host is reestablished.

Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESWP484E | CGRS484E | FMMS484E | SCFS484E

```
(rrrrr) Group swapgrp owner host host (host-id): reason
```

Cause

This message is issued when an AutoSwap swap is in progress for the indicated group, and the owner host cannot be contacted through the SCF Cross System Communication component. The reason for the loss of contact is indicated.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESWP485A | CGRS485A | FMMS485A | SCFS485A

```
(rrrrr) Reply HOLDIO, BACKOUT, SYSRESET, TAKEOVERasowner.
```

Cause

The lost owner policy OPERATOR is being instigated as indicated by message ESWP483S | CGRS483S | FMMS483S | SCFS483S and (or) ESWP484E | CGRS484E | FMMS484E | SCFS484E. This WTOR allows the policy end point to be selected based on site operating policy. While this message is displayed, the I/O will be quiesced to the FROM devices in the AutoSwap group. If contact is reestablished with the group owner, this message will be DOM'd and processing continues.

- **HOLDIO** - All IO for devices in the swap group will remain held. This will prevent any further access by this host to these devices. An IPL must be performed to allow access to the devices.
- **BACKOUT** - A backout process is performed on the current host to return devices that are in process of being swapped to their original state.
- **SYSRESET** - The current host is reset and a non-restartable wait state is generated. This will prevent any further access by this host to any devices. An IPL must be performed to allow access to the devices.
- **TAKEOVERasowner** - Allow the current host to take over the responsibility of being the owner of the group and continue with the swap processing. The owner cannot be 'alive' for this option to be selected. This option must only be selected on a single host. Careful usage of this option must be exercised.

Action

Select the appropriate policy.

Choose **BACKOUT** and **TAKEOVERasowner** only if the owner host is no longer active.

Otherwise, it is possible that the owner could be actively operating on the TO device and (if the TO devices cannot be reset to NRDY) non-owners on the FROM device.

If the selected option is not acceptable then message

ESWP613W|CGRS613W|FMMS613W|SCFS613W may be displayed and WTOR

ESWP698A|CGRS698A|FMMS698A|SCFS698A will reprompt for a valid response. See ESWP698A|CGRS698A|FMMS698A|SCFS698A.

If the reason for the contact failure cannot be determined, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESWP486E | CGRS486E | FMMS486E | SCFS486E

```
(rrrrr) (PID ppppp) 'FROM' device sccuu is in non-Continuous Available ConGroup cnggrp.
```

Cause

The indicated device FROM must be contained in a continuous available consistency group *cnggrp*. However, it is defined in a normal consistency group. The group name *cnggrp* is the same as the AutoSwap group name. AutoSwap will verify that the group may be defined on all accessible hosts and the groups are consistent with ConGroup on these hosts.

This error can indicate a mismatch in consistency group definitions between LPARs.

Action

Ensure that the indicated device is contained in the indicated group and that the group is enabled.

The *Consistency Groups for z/OS Product Guide* contains information about continuously available group definitions.

ESWP487E | CGRS487E | FMMS487E | SCFS487E

```
AutoSwap server mode is not installed.
```

Cause

AutoSwap is being started in server mode, however the License Feature Code (LFC) for this mode of operation is not installed. AutoSwap cannot be started.

Action

If AutoSwap server support is installed and the correct license feature code has been entered into the SCF initialization file, ensure that the correct AutoSwap server and SCF environment is being used. The *ResourcePak Base for z/OS Product Guide* describes how to install LFCs.

If the correct AutoSwap server and SCF environment is being used, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESWP488E | CGRS488E | FMMS488E | SCFS488E

```
Command or option support is not installed.
```

Cause

An AutoSwap command or option is being used where the License Feature Code (LFC) for this feature is not installed.

Action

If AutoSwap support for command or option is not installed and is required, contact the Dell EMC Customer Support Center. If the support is installed and the correct license feature code has been entered into the SCF initialization file, ensure that the correct AutoSwap server and SCF environment is being used. The *ResourcePak Base for z/OS Product Guide* describes how to install LFCs.

If the correct AutoSwap server and SCF environment is being used, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESWP489E | CGRS489E | FMMS489E | SCFS489E

```
(rrrrr) (PID ppppp) 'FROM'/'TO' sccuu/sccuu are in Continuous Available ConGroup cngrp.
```

Cause

The indicated FROM and TO devices are contained in the continuous available consistency group *cngrp*. However, the AutoSwap group is not part of the continuous available group. AutoSwap cannot process the swap request.

Action

If the device must be swapped, the consistency group must be disabled. After the swap is complete, the consistency group may be enabled.

The *Consistency Groups for z/OS Product Guide* presents information about enabling and disabling groups.

ESWP490E | CGRS490E | FMMS490E | SCFS490E

```
(xxxxx) (PID xxxxx) 'FROM' device sccuu Continuous Available ConGroup cngrp is DISABLED.
```

Cause

The indicated FROM device is correctly contained in the continuous available consistency

group. However, the consistency group is currently disabled.

Action

Enable the consistency group. The *Consistency Groups for z/OS Product Guide* presents information about enabling and disabling groups.

ESWP491I | CGRS491I | FMMS491I | SCFS491I

```
(rrrrr) (PID ppppp) Phase zz, rebind PAV.
```

Cause

AutoSwap is currently rebinding PAV aliases for swapped devices.

Action

None.

ESWP492W | CGRS492W | FMMS492W | SCFS492W

```
Group swapgrp, no complementary group cmpgrp found.
```

Cause

The complement group cannot be located for the define swap group command. The complement group must be defined prior to the swap group.

Action

Specify a correct complement group name. The current groups may be examined using the AutoSwap DISPLAY GROUP * command.

ESWP493W | CGRS493W | FMMS493W | SCFS493W

```
Group cmpgrp1, cannot complement group swapgrp. Already complemented by cmpgrp2.
```

Cause

The group *swapgrp* cannot be complemented by the define group *cmpgrp1* command as group *cmpgrp1* is already complemented by group *cmpgrp2*.

Action

If group *cmpgrp1* is to complement group *swapgrp*, *cmpgrp2* must be deleted using the AutoSwap DELETE operator command.

ESWP494E | CGRS494E | FMMS494E | SCFS494E

```
(rrrrr) Group swapgrp, complement error with cmpgrp, RS rs.
```

Cause

The swap group is attempting to process with the complement group *cmpgrp* but has encountered an error as indicated by the reason code:

- 0 - The complement group no longer exists.
- 1 - The groups do not validly complement each other.
- 2 - The groups do not validly complement each other.
- 3 - A virtual storage shortage exists and a device could not be added to the complementing group.

Action

AutoSwap cleanup of the complement groups might have disassociated them where a RS 1 or RS 2 was returned. RS 3 indicates a virtual storage shortage, requiring a larger REGION specification for the job.

ESWP495W | CGRS495W | FMMS495W | SCFS495W

Group *swapgrp*, complementing group *cmpgrp* definition must be on the owner host *host*.

Cause

The swap group can only be defined with the complement group on the AutoSwap owner system.

Action

Define the group on the owner host.

ESWP496W | CGRS496W | FMMS496W | SCFS496W

Group *swapgrp*, cannot complement group *cmpgrp* while group is being swapped. Try again later.

Cause

The swap group cannot be swapped while the complement group is being swapped.

Action

Wait until the swap of the complement group completes and try the swap request again.

ESWP497W | CGRS497W | FMMS497W | SCFS497W

Group *cmpgrp*, cannot complement group *swapgrp*. Group is not eligible.

Cause

The complement group cannot complement the swap group as it contains non-SRDF devices. Only SRDF device groups can be complemented.

Action

None.

ESWP498E | CGRS498E | FMMS498E | SCFS498E

Message prefix must be 4 characters.

Cause

The MESSAGEPREFIX (MSGP) for the AutoSwap options has been incorrectly entered. The prefix must be four (4) characters.

Action

Enter a four-character prefix.

ESWP499E | CGRS499E | FMMS499E | SCFS499E

(rrrrr) Group *swapgrp*, must be revalidated prior to swap.

Cause

The indicated group is defined with SWAPCONTROL=BYGROUP and an invalid device has been located during swap or validate processing. The group must be completely valid to perform BYGROUP processing.

Action

Examine other AutoSwap messages to determine the reason for the invalid device and validate the group again.

ESWP500W | CGRS500W | FMMS500W | SCFS500W

```
(rrrrr) ConGroup cngrp has precluded AutoSwap processing  
(llll/mmmm) .
```

Cause

AutoSwap processing (either a validate or swap) was initiated for a continuous available group. However, a condition has occurred such that ConGroup is preventing (precluding) the AutoSwap processing from continuing for this group. This could occur due to a SRDF link failure during the swap processing. *llll* and *mmmm* indicate diagnostic information relating to the ConGroup and AutoSwap lock status. AutoSwap allows the consistency group processing to complete successfully and will not allow a swap condition to take place.

Action

Examine the ConGroup system messages (WTOs) for information as to why ConGroup precluded AutoSwap. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESWP501E | CGRS501E | FMMS501E | SCFS501E

```
(rrrrr) ConGroup cngrp is not defined, RS rs.
```

Cause

The indicated consistency group is not defined for AutoSwap processing. The reason code indicates the reason for the failure:

- 12 - ConGroup is not active.
- 13 - The group is not defined to ConGroup.

The group name is the same as the AutoSwap group name. AutoSwap will verify that the group may be defined on all accessible hosts and the groups are consistent with ConGroup on these hosts.

This error can indicate a mismatch in consistency group definitions between LPARs.

Action

Ensure that the indicated group is correctly defined to ConGroup on all LPARs.

ESWP502W | CGRS502W | FMMS502W | SCFS502W

```
(rrrrr) (PID ppppp) EMCSCF cannot locate 'FROM' device UCB for  
CCA/SSID/Ctrl# uu/ssid/symm-serial for a cross system request.
```

Cause

AutoSwap is attempting to resolve a device using SCF. However, the device defined by the CCA (*uu*), or channel connection address; subsystem ID; and storage system serial number is not defined. The CCA is the address of the device as seen by the channel as presented by the DEVSERV PATHS z/OS operator command.

Action

If the device is to be swapped and it is defined on this image (LPAR), specify the device in the INCLUDE list to SCF and restart SCF, or issue the SCF INI,REFRESH and DEV,REFRESH commands.

ESWP503W | CGRS503W | FMMS503W | SCFS503W

```
(rrrrr) 'TO' device cannot be located as 'FROM' device for  
CCA/SSID/Ctrl# uu/ssid/symm-serial was not resolved.
```

Cause

AutoSwap could not determine the SRDF TO device as the FROM device was not

resolved.

Action

If the device cannot be located because it is in the SCF EXCLUDE list, and the device is to be processed, add the device to the SCF INCLUDE list, as described in the *ResourcePak Base for z/OS Product Guide*.

ESWP504W | CGRS504W | FMMS504W | SCFS504W

```
(rrrrr) (PID ppppp) 'FROM' device sccuu is not EMC; non-EMC SWAP.
```

Cause

The FROM device is not a Dell EMC PowerMax or VMAX device. However, this processing was initiated by an external product requesting a non-Dell EMC swap. Processing continues.

Verbose Level: 4

Action

None.

ESWP505W | CGRS505W | FMMS505W | SCFS505W

```
(rrrrr) (PID ppppp) 'TO' device sccuu is not EMC; non-EMC SWAP.
```

Cause

The TO device is not a Dell EMC PowerMax or VMAX device. However, this processing was initiated by an external product requesting a non-Dell EMC swap. Processing continues.

Verbose Level: 4

Action

None.

ESWP506E | CGRS506E | FMMS506E | SCFS506E

```
(rrrrr) (PID ppppp) EMCSCF support not installed; cannot determine device.
```

Cause

AutoSwap is attempting to locate device information using SCF, however the appropriate SCF maintenance is not installed on the currently running SCF.

Action

Ensure that the appropriate SCF maintenance is correctly installed for this level of AutoSwap. Additional SCF refresh processing may be required to activate the SCF support, as described in the *ResourcePak Base for z/OS Product Guide*.

ESWP507W | CGRS507W | FMMS507W | SCFS507W

```
(rrrrr) (PID ppppp) Device modifications delayed by IOS recovery; xxxxxxxx of yyyyyyyy completed.
```

Cause

During the UCB swap phase of AutoSwap processing, IOS recovery being performed by the operating system was detected. The number of devices processed and those still to be processed is indicated by xxxxxxxx and yyyyyyyy respectively. Swap processing will be delayed until IOS recovery completes and allows the swap processing to continue. AutoSwap waits for a short period of time before trying the swap again.

Action

None.

ESWP508I | CGRS508I | FMMS508I | SCFS508I

```
(rrrrr) (PID ppppp) Phase zz, build priority swap structures.
```

Cause

AutoSwap is building the swap structures necessary to perform high priority swap processing as part of the indicated phase (zz). This phase is only required for groups containing high priority devices, for example, devices containing page datasets.

Verbose Level: 2

Action

None.

ESWP509I | CGRS509I | FMMS509I | SCFS509I

```
(rrrrr) (PID ppppp) Phase zz, valid for swap.
```

Cause

AutoSwap has completed validation for the device as part of the indicated phase (zz).

Verbose Level: 2

Action

None.

ESWP510I | CGRS510I | FMMS510I | SCFS510I

```
(rrrrr) (PID ppppp) Phase zz, respond swap complete.
```

Cause

AutoSwap completed swap processing for the device and is responding to internal requestors as part of the indicated phase (zz).

Verbose Level: 2

Action

None.

ESWP511I | CGRS511I | FMMS511I | SCFS511I

```
(rrrrr) (PID ppppp) Phase zz, release source reserves.
```

Cause

AutoSwap has completed reserve cleanup processing for the source device as part of the indicated phase (zz).

Verbose Level: 2

Action

None.

ESWP512I | CGRS512I | FMMS512I | SCFS512I

```
(rrrrr) (PID ppppp) I/O resumption complete; [high priority] swap cleanup commencing.
```

Cause

AutoSwap completed all phases of swap processing which required the suspension of I/O activity. I/O activity is now resumed and application access to the device is now available. High priority indicates the completion of a high priority swap range; for example, a swap of devices containing page datasets. Swap cleanup for these devices is done following the cleanup of non-priority devices.

- If SWAPCONTROL=BYGROUP, a single message will be displayed indicating that all devices have been successfully swapped in a consistent operation.
- If SWAPCONTROL=BYRANGE, this message is displayed for each range of devices processed by the indicated PID.
- If SWAPCONTROL=BYDEVICE, this message is displayed for every device processed as indicated by the PID.

All phases of AutoSwap processing following this message are to perform cleanup and housekeeping functions. The completion of this cleanup processing is indicated for each device by ESWP093I | CGRS093I | FMMS093I | SCFS093I.

Action

None.

ESWP513I | CGRS513I | FMMS513I | SCFS513I

```
(rrrrr) (PID ppppp) I/O suspend complete; [high priority] swap commencing.
```

Cause

AutoSwap has suspended I/O processing to allow the following swap phases to be performed. This is the point at which normal I/O is not allowed, and indicates the beginning of the swap processing. High priority indicates the commencement of a high priority swap range; for example, a swap of devices containing page datasets. Swap processing for these devices is done independently and at a higher priority level than normal devices.

- If SWAPCONTROL=BYGROUP, a single message will be displayed indicating that all devices have been successfully suspended to allow for a consistent swap operation.
- If SWAPCONTROL=BYRANGE, this message is displayed for each range of devices processed by the indicated PID.
- If SWAPCONTROL=BYDEVICE, this message is displayed for every device processed as indicated by the PID.

The swap processing is indicated as complete by the subsequent ESWP512I | CGRS512I | FMMS512I | SCFS512I message.

Action

None.

ESWP514I | CGRS514I | FMMS514I | SCFS514I

```
(rrrrr) (PID ppppp) Phase zz, quiesce I/O.
```

Cause

AutoSwap is quiescing I/O to ensure there are no active I/O requests as part of the indicated phase (zz).

Verbose Level: 2

Action

None.

ESWP515I | CGRS515I | FMMS515I | SCFS515I

```
(rrrrr) Group swapgrp completed due to RETAIN SWAPCMPLT specification.
```

Cause

All devices in the indicated group have successfully completed swap processing and the

AutoSwap option RETAIN=SWAPCMPLT was specified for the group. The group is terminated.

Action

None.

ESWP516I | CGRS516I | FMMS516I | SCFS516I

```
(rrrrr) Group swapgrp terminated due to complement group cmpgrp termination; no devices swapped.
```

Cause

The indicated group is defined as a COMPLEMENT group and contains no devices. The indicated owning group has terminated without swapping any devices.

Action

None.

ESWP517I | CGRS517I | FMMS517I | SCFS517I

```
(rrrrr) High priority swap processing initiated.
```

Cause

A planned or unplanned swap has been initiated for a range of high priority devices; for example, a swap of devices containing page datasets. Swap processing for these devices is done independently and at a higher priority level than normal devices.

Action

None.

ESWP518W | CGRS518W | FMMS518W | SCFS518W

```
(rrrrr) (PID ppppp) Volume volser has XCF couple datasets: couple_dataset_name [More...]
```

Cause

The indicated volume contains XCF couple datasets. This situation will not prevent swap processing as the ALLOWCOUPLEDATASETS option was specified for the group. The couple datasets located on the volume are displayed in MLWTO format following the ESWP079E | CGRS079E | FMMS079E | SCFS079E message. The `More...` line is displayed if more than 8 couple datasets are found.

Action

Not all couple datasets are eligible to be swapped. The specification of ALLOWCOUPLEDATASETS must only be done for certain LOGR couple datasets, as described in the *Consistency Groups for z/OS Product Guide* provides further information.

ESWP519I | CGRS519I | FMMS519I | SCFS519I

```
(rrrrr) (PID ppppp) {R1|R2} command complete for symdv# symdv#[-symdv#]; command
```

Cause

The indicated SRDF reconfiguration command has completed for the SRDF R1 or R2 devices as follows:

- RDF-NRDY;HIPRIORITY - High priority reconfiguration of the R1 has completed RDF-NRDY processing.
- R/W;HIPRIORITY - High priority reconfiguration of the R2 has completed R/W processing.

- RDF-RDY;HIPRIORITY - High priority reconfiguration of the R2 has completed RDF-RDY processing.
- RDY;HIPRIORITY - High priority reconfiguration of the R2 has completed RDY processing.

Verbose Level: 3

Action

None.

ESWP520W | CGRS520W | FMMS520W | SCFS520W

```
(rrrrr) (PID ppppp) Cross system count mismatch allowed. Located
xxxx, required yyyy.
```

Cause

During validation processing, a system count mismatch has been detected and bypassed by the AllowSystemsCountMismatch AutoSwap option. Message ESWP100E | CGRS100E | FMMS100E | SCFS100E and ESWP528E | CGRS528E | FMMS528E | SCFS528E for additional details. Note that in contrast with message ESWP100E | CGRS100E | FMMS100E | SCFS100E, message ESWP195I | CGRS195I | FMMS195I | SCFS195I is only displayed if at least verbose level 3 is set.

Action

Careful use of the AllowSystemsCountMismatch AutoSwap option must be exercised, especially where the ChangeSourceDevice=NONRDY option has also been selected, as hosts might incorrectly access different devices at the conclusion of the swap.

ESWP521W | CGRS521W | FMMS521W | SCFS521W

```
(rrrrr) (PID ppppp) 'FROM' device sccuu is High Priority on host
host (host-id). [ UsrNRDY not supported.]
```

Cause

The current group contains the high priority device for the indicated host that is online to this host. High priority devices should be online only to a single host as indicated in the message. UsrNRDY not supported is appended to the message where the host does not support the CSD=USRNRDY processing for High Priority.

Action

Vary the device offline to this host.

ESWP522W | CGRS522W | FMMS522W | SCFS522W

```
(rrrrr) (PID ppppp) High Priority device sccuu is online to other
hosts. Online hosts xxxx, required yyyy.
```

Cause

This host has high priority swap devices that are online to other hosts. The number of hosts with this device is indicated by theyyyy count, which represents the number of non-disbanded path groups for the device. High priority devices should be online only to a single host.

Message ESWP195I | CGRS195I | FMMS195I | SCFS195I is displayed to indicate which path groups are defined for devices and hosts active for this group.

Action

Verify with the indicated hosts to determine which host has the device online and vary the device offline to that host.

ESWP525I | CGRS525I | FMMS525I | SCFS525I

```
(rrrrr) VALIDATE of group swapgrp is pending current validation completion.
```

Cause

A VALIDATE request has been received for the indicated group. However, the group is currently being validated. A revalidation begins after the current validation is completed.

Action

None.

ESWP526I | CGRS526I | FMMS526I | SCFS526I

```
(rrrrr) Revalidation on SWAP of group swapgrp is pending, validation is currently in progress.
```

Cause

A swap with validation has been requested for the indicated group. However, the group is currently being validated. A revalidation of the group will occur after the current validation completes and prior to the swap being performed.

Action

None.

ESWP527E | CGRS527E | FMMS527E | SCFS527E

```
Group swapgrp, ID seq# is not owned by, and cannot be processed by, host host (host-id).
```

Cause

A cross system request was received from the indicated host for the indicated group. However, the group does not belong to the indicated host, or this is an old occurrence of the group.

Action

Issue the AutoSwap command DISPLAY GROUP on the host receiving the message to determine the owner of the group. If this is an old group definition for the host (examine the definition date for the group), it may be necessary to delete the group using the DELETE GROUP command.

Otherwise, issue the VALIDATE GROUP command on the owner host to force revalidation of the group.

ESWP528E | CGRS528E | FMMS528E | SCFS528E

```
(rrrrr) (PID ppppp) Cross system count path group mismatch error. Located xxxx, unmatched yyyy.
```

Cause

During validation processing for a group defined with NOAllowSystemsCountMismatch=PATHGRP, a system count mismatch was detected. See message ESWP100E | CGRS100E | FMMS100E | SCFS100E for additional details.

The located system count is indicated by *xxxx*.

The count of path groups defined to the device (LPARs with the device online) but not represented by an AutoSwap is indicated by *yyyy*. Message ESWP195I | CGRS195I | FMMS195I | SCFS195I is written to indicate the hosts and the path groups which are required to satisfy the request. In addition, devices with the detected mismatch may be displayed using the DISPLAY GROUP DETAIL FIND ! command (the ! indicator on the

display detail command shows those devices with a count mismatch).

A system count mismatch can be bypassed using the AllowSystemsCountMismatch AutoSwap option. Careful use of this option must be exercised as hosts may incorrectly access different devices at the conclusion of the swap.

Action

Ensure that AutoSwap is running on all hosts indicated by the 'Path group warning' lines in this message.

ESWP529I | CGRS529I | FMMS529I | SCFS529I

```
(rrrrr) Group swapgrp unplanned swap from {local  
detection|host host (host-id)}.
```

Cause

An unplanned swap trigger has occurred for the indicated group. If the swap trigger occurred on the local host (local detection), the first form of the message is displayed. Other messages would have been displayed previously to indicate what swap trigger has occurred (see message ESWP432I | CGRS432I | FMMS432I | SCFS432I).

If the swap trigger occurred on another host prior to the local host detecting the condition, the host ID is shown.

Action

None.

ESWP530I | CGRS530I | FMMS530I | SCFS530I

```
(rrrrr) Group swapgrp scheduled {VALIDATE|SWAP} from  
host host (host-id).
```

Cause

A VALIDATE or SWAP has been requested by the indicated host for the indicated group. This message is only issued for groups defined with SWAPCONTROL of BYGROUP or BYRANGE where the group contains more than one device. Message ESWP179I | CGRS179I | FMMS179I | SCFS179I is generated for groups defined as BYDEVICE or for single device groups.

Action

None.

ESWP531W | CGRS531W | FMMS531W | SCFS531W

```
(rrrrr) (PID ppppp) jjjj swap completion notification failed RC  
xxxxxxxx.
```

Cause

During swap completion processing, the primary JES, indicated by *jjjj*, was notified of the completion of the swap. The call to this function completed with the indicated return code *xxxxxxxx*.

Verbose Level: 3

Action

If the return code is not 4 and the primary JES is JES3, examine the IEFSSREQ return codes in the IBM z/OS MVS Using the Subsystem Interface documentation.

These codes are defined by the return codes from the z/OS IEFSSREQ function. If a return code value of 4 is processed, subsequent JES notification calls for this group are not performed. This is normal where JES2 is the primary JES. If the return codes are x'C' (12), x'10' (16) or x'14' (20), this might indicate an internal error. Contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation, including the SYSLOG and job log.

For other return codes there could be an issue with the primary JES (for example, not currently active).

ESWP532I | CGRS532I | FMMS532I | SCFS532I

```
BOX processing delayed for device sccuu by AutoSwap processing.
```

Cause

During swap processing, the indicated device was requested to be boxed (forced offline) by IOS recovery. To allow the swap to complete successfully, the box processing is being delayed by AutoSwap.

Action

None.

ESWP533W | CGRS533W | FMMS533W | SCFS533W

```
(rrrrr) (PID ppppp) Device modifications delayed, IOS recovery reset; xxxxxxx of yyyyyyy completed.
```

Cause

During the UCB swap phase of AutoSwap processing, IOS recovery being performed by the operating system was detected. The number of devices processed and those still to be processed is indicated by *xxxxxxx* and *yyyyyyy* respectively. Swap processing has been delayed by an IO being performed by IOS recovery that has remained pending and is preventing the swap from completing. IOS recovery is reset for the device and will be performed on swap completion.

Action

None.

ESWP534I | CGRS534I | FMMS534I | SCFS534I

```
(rrrrr) Group swapgrp owner host changed to host (host-id).
```

Cause

The owner host for the indicated group has been changed to the indicated host. This would normally be done in response to the LostOwnerPolicy during swap processing. If a swap was in progress, the indicated host will take over the owner function of the swap processing. The current host continues to display the LostOwnerPolicy WTOR (see message ESWP485A | CGRS485A | FMMS485A | SCFS485A) until the owner has generated the next checkpoint. Then, the ESWP485A | CGRS485A | FMMS485A | SCFS485A message will be DOM'd.

Action

None.

ESWP535W | CGRS535W | FMMS535W | SCFS535W

```
(rrrrr) Group swapgrp owner change not done. Host host (host-id) is {owner|also requesting to be owner}.
```

Cause

A request to change the owner host to the current host has failed for the indicated reason:

- *is owner* - There is already an assigned owner for the indicated group as indicated by the host and it is currently performing swap processing for the group.
- *is also requesting to be owner* - The indicated host is also requesting to

take ownership of this group. This can occur if the TAKEOVERasowner response for WTOR ESWP485A | CGRS485A | FMMS485A | SCFS485A was entered on multiple hosts.

Action

Examine the current owner host using the AutoSwap DISPLAY GROUP command. If the host is still alive, allow it to complete the swap. If the owner host is no longer alive, reissue the TAKEOVERasowner response on the system intending to be the new owner. This response must only be entered to a single system.

ESWP536I | CGRS536I | FMMS536I | SCFS536I

```
(rrrrr) Group swapgrp owner change accepted; continuing swap as owner.
```

Cause

The request to change the group owner to the current host has been accepted by all surviving participants of the AutoSwap swap processing. This was in response to the TAKEOVERasowner request performed on the LostOwnerPolicy. The current host continues processing the swap from the beginning of the current checkpoint. Surviving hosts will remain in their LostOwnerPolicy until the new owner completes processing and generates the next checkpoint.

Action

None.

ESWP538E | CGRS538E | FMMS538E | SCFS538E

```
(rrrrr) (PID ppppp) Error obtaining CA OPS/MVS status, RC/RS/ERS  
xxxxxxxx/yyyyyyyy/zzzzzzzz
```

Cause

An internal error occurred while determining if the Computer Associates OPS/MVS product is present on the current LPAR. The RC, RS, and ERS indicate the reason for the failure and are displayed for diagnostic purposes. AutoSwap assumes that OPS/MVS is not active.

Action

This indicates an internal error, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation, including the SYSLOG and job log. If Computer Associates OPS/MVS is not active or OPS/MVS does not have its OPSLOG or SYSCHK1 datasets on devices being processed by AutoSwap, this message may be ignored. If OPS/MVS does have its OPSLOG or SYSCHK1 datasets on a device being processed by AutoSwap, remove them from the group and delete (disable for CAX) and validate (enable for CAX) the new group definition.

ESWP539W | CGRS539W | FMMS539W | SCFS539W

```
(rrrrr) (PID ppppp) OPS/MVS interface not available: ASID: asid,  
Subsystem: ssid, Jobname: jobname
```

Cause

Computer Associates OPS/MVS is active on the current LPAR. However, the interface support is not installed for the OPS/MVS address space(s) identified by ASID, subsystem ID, and jobname. Each OPS/MVS is displayed as a line in this message. AutoSwap cannot determine what devices OPS/MVS is using for its OPSLOG and SYSCHK1 datasets.

Action

Contact Computer Associates to obtain the OPS/MVS interface maintenance necessary

for AutoSwap or contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation, including the SYSLOG and job log. If Computer Associates OPS/MVS does not have its OPSLOG or SYSCHK1 datasets on devices being processed by AutoSwap, this message may be ignored. If OPS/MVS does have its OPSLOG or SYSCHK1 datasets on a device being processed by AutoSwap, remove them from the group and delete (disable for CAX) and validate (enable for CAX) the new group definition.

ESWP540I | CGRS540I | FMMS540I | SCFS540I

```
(rrrrr) (PID ppppp) OPS/MVS subsystem ssid high priority  
on sccuu for DSN dsname
```

Cause

Computer Associates OPS/MVS is active on the current LPAR and has datasets contained on the indicated AutoSwap device. This message indicates the OPS/MVS subsystem and the OPSLOG or SYSCHK1 dataset contained on the device. These devices will be managed as a high priority swap device. This is done to enable OPS/MVS to be available in a more expedient manner and to allow automated operations to continue.

Verbose Level : 3. This message will always be displayed the first time an OPS/MVS dataset is detected on an AutoSwap device. A subsequent validation will result in this message being displayed with verbose level 3.

Action

None.

ESWP541E | CGRS541E | FMMS541E | SCFS541E

```
(rrrrr) (PID ppppp) EMCSCF CSC error during gatekeeper  
determination for ctrl# symms,  
[explanation] | [RC/RS xxxxxxxx/yyyyyyyy]
```

Cause

A device is not defined on this LPAR or was excluded in SCF. To access the device, a gatekeeper (an accessible device) to the storage system is required. The SCF Cross System Communication component gatekeeper is also used as the AutoSwap gatekeeper for this storage system. However, an error occurred during this processing as indicated by the explanation or error codes. Message ESWP181E | CGRS181E | FMMS181E | SCFS181E provides details about the possible errors.

Action

See message ESWP181E | CGRS181E | FMMS181E | SCFS181E for additional information and suggested actions. Other error messages will be displayed if this device requires the usage of a gatekeeper to satisfy the requirements of the swap. Otherwise, this device is not considered defined and will not be swapped on this LPAR.

ESWP542E | CGRS542E | FMMS542E | SCFS542E

```
(rrrrr) (PID ppppp) Could not determine a gatekeeper for  
ctrl# symms.
```

Cause

A device is not defined on this LPAR or was excluded in SCF. To access the device, a gatekeeper (an accessible device) to the storage system is required. The SCF Cross System Communication component gatekeeper is also used as the AutoSwap gatekeeper for this storage system. However, a gatekeeper could not be obtained for one of the following reasons:

- AutoSwap is being shut down.
- An SCF CSC error occurred (see message ESWP541E | CGRS541E | FMMS541E |

SCFS541E).

- The device returned by SCF CSC is not valid on this LPAR.

Action

None if AutoSwap is being shut down. If message ESWP541E | CGRS541E | FMMS541E | SCFS541E is also displayed, refer to the explanation of that message. Otherwise verify that SCF CSC is correctly processing the indicated storage system by issuing the SCF CSC command CSC,DISPLAY HOSTS CNTRL. Verify the gatekeeper displayed by this command output is accessible on this LPAR by issuing a z/OS DEVSERV command (for example, DS QD,*sccuu*) to verify the device is available. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESWP543I | CGRS543I | FMMS543I | SCFS543I

```
(rrrrr) (PID ppppp) Checkpoint xx owner change during release.
```

Cause

A change of group ownership was detected during the checkpoint phases for the indicated checkpoint (*xx*). Message ESWP534I would have been issued prior to this message to indicate the new owner.

Action

None

ESWP549I | CGRS549I | FMMS549I | SCFS549I

```
(rrrrr) Scheduled SWAP of group swapgrp has been cancelled due to validation still in progress.
```

Cause

A swap had been scheduled for the indicated group, however a currently activate validation on this host has not completed in the time period specified by the CROSSSYSTEMTIMEOUT value. The swap request is cancelled.

Action

Examine the output generated by AutoSwap to determine why the validation is exceeding the CROSSSYSTEMTIMEOUT period. Reissue the swap command after the validation completes.

ESWP550W | CGRS550W | FMMS550W | SCFS550W

```
(rrrrr) Group swapgrp marked invalid by owner; group processing disabled.
```

Cause

The indicated group has been marked invalid by the group owner because of a failed swap request.

Action

Examine messages on the AutoSwap owner system to determine the reason for the failed swap request. The group must be revalidated prior to performing another swap for this group.

ESWP551I | CGRS551I | FMMS551I | SCFS551I

```
(rrrrr) (PID ppppp) command processing serialized due to error threshold for RS xx.
```

Cause

While issuing the indicated command to reconfigure SRDF for the group of devices that are being processed under the indicated PID, a retry threshold was reached. Command retries are indicated by message ESWP111W | CGRS111W | FMMS111W | SCFS111W. Prior to ESWP551I | CGRS551I | FMMS551I | SCFS551I being issued, commands of this type are issued in parallel to expedite the swap processing. After ESWP551I | CGRS551I | FMMS551I | SCFS551I is issued, commands of this type are serialized and issued one at a time. This reduces the retrying of commands that may be experiencing contention for resources in the storage system. Subsequent command types are not serialized and will continue in parallel.

Action

None.

ESWP552W | CGRS552W | FMMS552W | SCFS552W

```
(rrrrr) (PID ppppp) RESERVE found on 'FROM' device following SWAP, cannot transfer.
```

Cause

Following the UCB swap phase of AutoSwap processing a RESERVE was found on the FROM device. Normally the RESERVE would be transferred prior to the swap, however the FROM device is a high priority swap device.

RESERVEs are not transferred for high priority swap devices. The RESERVE issued to the FROM device is lost but will be reacquired on subsequent I/O performed to the device. However, multi LPAR integrity cannot be guaranteed to the application performing the original RESERVE processing.

Action

High priority swap devices must only have datasets on them that are in use on the current LPAR. The devices cannot be actively in use on any other LPAR. Examples of datasets suitable for a high priority swap are page datasets and Computer Associates OPS/MVS datasets.

ESWP554I | CGRS554I | FMMS554I | SCFS554I

```
(rrrrr) Group swapgrp owner change to host completed.
```

Cause

The ownership change for the indicated group has changed to the indicated host. This would normally be done in response to a change owner command.

Action

None

ESWP555I | CGRS555I | FMMS555I | SCFS555I

```
(rrrrr) (PID ppppp) 'TO' device sccuu unboxed by AutoSwap processing.
```

Cause

The TO device was found to be boxed during AutoSwap UCB validation. To allow the device to be swapped successfully, AutoSwap has performed an unbox and path validation of the device to ensure that it is accessible and valid for swap processing. The device may have been boxed by a prior unplanned swap when the device was the FROM device.

Action

None.

ESWP556I | CGRS556I | FMMS556I | SCFS556I

(rrrrr) (PID ppppp) Phase zz, backout processing initialization.

Cause

Backout processing is being initialized due to a backout condition. Other, non-verbose, messages are produced to indicate the reason for the backout.

Verbose Level: 2

Action

None.

ESWP557I | CGRS557I | FMMS557I | SCFS557I

(rrrrr) (PID ppppp) Phase zz, backout processing unswap UCBs.

Cause

Backout processing is unswapping the UCBs as part of the indicated backout phase (zz).

Verbose Level: 2

Action

None.

ESWP558I | CGRS558I | FMMS558I | SCFS558I

(rrrrr) (PID ppppp) Phase zz, backout processing restore RDF.

Cause

Backout processing is restoring the original device SRDF state as part of the indicated backout phase (zz).

Verbose Level: 2

Action

None.

ESWP559I | CGRS559I | FMMS559I | SCFS559I

(rrrrr) (PID ppppp) Phase zz, backout processing reserve release.

Cause

Backout processing is releasing reserves resources obtained during the processing as part of the indicated backout phase (zz).

Verbose Level: 2

Action

None.

ESWP560I | CGRS560I | FMMS560I | SCFS560I

(rrrrr) (PID ppppp) Phase zz, backout processing release I/O.

Cause

Backout processing is releasing the devices to enable them to be used by application I/O as part of the indicated backout phase (zz).

Verbose Level: 2x

Action

None.

ESWP561I | CGRS561I | FMMS561I | SCFS561I

(rrrrr) (PID ppppp) Phase zz, backout processing disband rebind.

Cause

Backout processing is restoring the online or offline and PAV alias bindings as part of the indicated backout phase (zz).

Verbose Level: 2

Action

None.

ESWP562I | CGRS562I | FMMS562I | SCFS562I

```
(rrrrr) (PID ppppp) Phase zz, backout processing dequeue resources.
```

Cause

Backout processing is dequeuing GRS resources (ENQ/DEQ) as part of the indicated backout phase (zz).

Verbose Level: 2

Action

None.

ESWP563I | CGRS563I | FMMS563I | SCFS563I

```
(rrrrr) (PID ppppp) Phase xx, backout processing complete.
```

Cause

Backout processing is completing as part of the indicated backout phase (zz).

Verbose Level: 2

Action

None.

ESWP564W | CGRS564W | FMMS564W | SCFS564W

```
(rrrrr) (PID ppppp) Backout processing incomplete (xxxxxxx)
'FROM'/'TO' from_device/to_device [expected; high priority
xsystem].
```

Cause

Backout processing could not be completed for the indicate FROM and TO device pair. The diagnostic values (xxxxxxx) are added if further diagnosis is required by Dell EMC Technical Support.

The string ; high priority xsystem is appended to the message where the device is high priority on another host. SRDF backout processing is never performed on another host for a high priority device.

The FROM and TO devices are displayed as sccuu or (when the CUU cannot be located) as symms,symdv#, with 2 leading digits of the device number suppressed when zero.

Action

Examine other messages generated by the backout processing to determine the reason for the backout being incomplete. Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If this does not provide an answer, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESWP565I | CGRS565I | FMMS565I | SCFS565I

```
(rrrrr) Group swapgrp requested EMCSCF {REFRESH|RESCAN}.
```

Cause

During device lookup processing for the indicated group the SCF device configuration did not have access to a device or a UCB and device mismatch was detected in the SCF configuration. AutoSwap has automatically requested either a REFRESH or RESCAN. After the required action is completed by SCF, the device lookup will be retried. If the reason for the original SCF request remains (for example, there is a UCB to device mismatch), additional messages will be output.

Action

None.

ESWP566I | CGRS566I | FMMS566I | SCFS566I

```
(rrrrr) Group swapgrp waiting for EMSCSF {REFRESH|RESCAN}.
```

Cause

A prior SCF action (REFRESH or RESCAN) had been requested by the indicated group and is still not complete. Message ESWP565I | CGRS565I | FMMS565I | SCFS565I was displayed at the initiation of this processing. Message ESWP566I | CGRS566I | FMMS566I | SCFS566I is displayed at 30 second intervals until the SCF processing completes.

Action

None.

ESWP567I | CGRS567I | FMMS567I | SCFS567I

```
(rrrrr) Group swapgrp wait time exceeded for  
EMSCSF {REFRESH|RESCAN}.
```

Cause

A prior SCF action (REFRESH or RESCAN) had been requested by the indicated group and was not completed within the timeout period. Message ESWP565I | CGRS565I | FMMS565I | SCFS565I was displayed at the initiation of this processing. AutoSwap processing continues. If the reason for the original SCF request persists, additional messages are output.

Action

None.

ESWP568I | CGRS568I | FMMS568I | SCFS568I

```
(rrrrr) Group swapgrp is being REPLACed by host host (host-id).
```

Cause

The currently active group is being redefined as the prior owner of the group was lost. The new owner is on the indicated host. This message can be issued when the owner of the group is IPLed while the group is active and then AutoSwap is restarted.

Action

None.

ESWP569E | CGRS569E | FMMS569E | SCFS569E

```
(rrrrr) EMSCSF CSC error trying to verify the group  
owner, explanation.
```

Cause

While trying to verify that the group owner is active an error has occurred with the SCF Cross System Communication (CSC) component. See message ESWP181E | CGRS181E |

FMMS181E | SCFS181E for details on the explanation shown in the message.

Action

Check to see whether SCF is active. If it is active, check to see if there are any additional messages produced by SCF or the Cross System Communication (CSC) component in the SCF job log or the z/OS SYSLOG to describe the reason for the failure. The SCF CSC command CSC,DISPLAY HOSTS may be issued to ensure that the CSC is active.

Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If this does not provide an answer, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESWP570E | CGRS570E | FMMS570E | SCFS570E

```
(rrrrr) (PID ppppp) nnnnn of mmmmm Rx did not go RDF-RDY.
```

Cause

AutoSwap attempted to make a number (*mmmmm*) of R1 or R2's (as indicated by Rx) SRDF Ready, however some or all of those (*nnnnn*) failed to change status. Message ESWP081E | CGRS081E | FMMS081E | SCFS081E is produced prior to this message to indicate the devices that failed.

Action

AutoSwap might attempt to try the request again. If AutoSwap cannot retry, or the retry fails, backout processing is initiated. If this message has been produced as a result of backout processing, AutoSwap could not return the device to its original RDF-RDY state. Examine the AutoSwap console messages for any other information leading to the failure and (or) examine the status of the device(s) using SRDF Host Component, indicated by the ESWP081E | CGRS081E | FMMS081E | SCFS081E message, to determine the reason for the failure.

Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESWP571E | CGRS571E | FMMS571E | SCFS571E

```
(rrrrr) (PID ppppp) {R1|R2} device sccuu did not go USR-RDY.
```

Cause

AutoSwap failed to make the indicated device USR-RDY.

Action

Examine AutoSwap console messages for any other information leading to the failure and (or) examine the status of the device(s) using SRDF Host Component to determine the reason for the failure.

ESWP572W | CGRS572W | FMMS572W | SCFS572W

```
(rrrrr) (PID ppppp) {R1|R2} did not go USR-RDY,  
redrive xxxx of yyyy.
```

Cause

An SRDF device (R1 or R2) did not go USR-RDY and the request will be redriven. Additional messages may be issued to indicate the reason for the failure. If the number of redrives is exceeded, the processing will fail.

Action

If the number of redrives is exceeded or this problem occurs frequently, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant

job documentation available.

ESWP573E | CGRS573E | FMMS573E | SCFS573E

```
(rrrrr) (PID ppppp) xxxxx of yyyyy {R1|R2} did not go USR-RDY.
```

Cause

AutoSwap attempted to make a number (yyyyy) of R1 or R2 devices USR Ready, however some or all of those (xxxxx) failed to change status. Message ESWP571E | CGRS571E | FMMS571E | SCFS571E is produced prior to this message to indicate the devices that failed.

Action

AutoSwap might attempt to try the request again. If AutoSwap cannot retry, or the retry fails, backout processing is initiated. If this message has been produced as a result of backout processing, AutoSwap could not return the device to its original RDF-RDY state. Examine the AutoSwap console messages for any other information leading to the failure and (or) examine the status of the device(s) using SRDF Host Component, indicated by the ESWP571E | CGRS571E | FMMS571E | SCFS571E message, to determine the reason for the failure. If this does not provide an answer, contact Dell EMC Customer Support Center. Ensure that you have all relevant job documentation, including the SYSLOG and job log.

ESWP574I | CGRS574I | FMMS574I | SCFS574I

```
(rrrrr) (PID ppppp) {R1|R2} USR-RDY complete for Symdv# symdv#[-symdv#].
```

Cause

AutoSwap successfully changed the state of the indicated range of R1 or R2 PowerMax or VMAX device numbers to USR Ready.
Verbose Level: 3

Action

None.

ESWP575I | CGRS575I | FMMS575I | SCFS575I

```
(rrrrr) (PID ppppp) High priority 'TO' device dev# is USR-NRDY;  
changed to NRDY.
```

Cause

During validation processing the R2 TO device for a high priority device is USR-NRDY. AutoSwap automatically makes these devices NRDY and removes the USR-NRDY state during the validate to make the subsequent swap processing more efficient. If the device is changed to USR-NRDY following the validate, AutoSwap is still able to swap successfully; however, additional IO processing is required.

Action

None.

ESWP576W | CGRS576W | FMMS576W | SCFS576W

```
(xxxxx) (PID xxxxx) Cannot determine 'FROM' device dev# volser due  
to reason condition (xxxxxxxx/yyyyyyyy)
```

Cause

During validation processing the FROM device, volume serial (volser) could not be read. The reason can be on of the following:

- `intervention` - The device was found to be in an intervention condition. This normally occurs due to a RDF-NRDY, NRDY, or USR-NRDY state.
 - `timeout` - An I/O timeout occurred. This can occur if the device is reserved by another host. AutoSwap reports the device volser as `*TIMO*`.
 - `I/O error` - An I/O error occurred. This can occur if the device is being formatted, for example - by ICKDSF. AutoSwap will report the device volser as `*IOER*`.
- Diagnostic return and reason codes are appended to the message if further diagnosis is required by the Dell EMC Customer Support Center. AutoSwap processing continues.

Action

None.

ESWP577I | CGRS577I | FMMS577I | SCFS577I

```
(rrrrr) Waiting for high priority processing to complete.
```

Cause

During a planned swap AutoSwap is waiting for high priority swap processing to complete before commencing with the normal priority swaps. After the high priority swaps for this host complete, the normal priority swaps continues.

Action

None.

ESWP578W | CGRS578W | FMMS578W | SCFS578W

```
(rrrrr) Group swapgrp does not have access to controllers: <list of system IDs>
```

Cause

Displayed at the completion for validation processing for the indicated group to indicate the list of storage systems that are not accessible on this system (LPAR). This system cannot be used to TAKEOVERasowner if a lost owner situation occurs as this system

Action

If this system needs to be available to be used for TAKEOVERasowner during a lost owner situation then the storage systems indicated in the list must be accessible to this system.

ESWP579W | CGRS579W | FMMS579W | SCFS579W

```
(rrrrr) TAKEOVERasowner option is not available as all controllers are not accessible.
```

Cause

Displayed prior to the ESWP485A | CGRS485A | FMMS485A | SCFS485A message during a lost owner situation (determined by the LostOwnerPolicy setting) to indicate that this system (LPAR) does not have access to all the storage systems. This system cannot be used as the TAKEOVERasowner system as access to all storage systems is necessary for AutoSwap processing to performed necessary device reconfiguration.

Action

If TAKEOVERasowner is the required LOP selection, another system must be used.

ESWP580E | CGRS580E | FMMS580E | SCFS580E

```
(rrrrr) (PID ppppp) {R1|R2} device dev# did not go USR-NRDY.
```

Cause

AutoSwap failed to make the device USR-NRDY as requested by UNPLANNEDoptions(FBAUserNrdy).

Action

Examine AutoSwap console messages for any other information leading to the failure and (or) examine the status of the device(s) using SRDF Host Component to determine the reason for the failure.

If you cannot determine the reason for the failure, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESWP581W | CGRS581W | FMMS581W | SCFS581W

```
(rrrrr) (PID ppppp) {R1|R2} did not go USR-NRDY,  
redrive xxxx of yyyy.
```

Cause

An SRDF device (R1 or R2) did not go USR-NRDY as requested by UNPLANNEDoptions(FBAUserNrdy). The request will be redriven. Additional messages may be issued to indicate the reason for the failure. If the number of redrives is exceeded then the processing will fail.

Action

If the number of redrives is exceeded or this occurs frequently, contact the Dell EMC Customer Support Center.

ESWP582E | CGRS582E | FMMS582E | SCFS582E

```
(rrrrr) (PID ppppp) xxxxx of yyyy {R1|R2} did not go USR-NRDY.
```

Cause

AutoSwap attempted to make a number (yyyyy) of R1 or R2 devices USR Not Ready, however some or all of those (xxxxx) failed to change status. Message ESWP580E | CGRS580E | FMMS580E | SCFS580E is produced prior to this message to indicate the devices that failed.

Action

AutoSwap might attempt to try the request again. If AutoSwap cannot retry, or the retry fails, then backout processing will be initiated. If this message has been produced as a result of backout processing then AutoSwap could not return the device to its original RDF-NRDY state.

Examine the AutoSwap console messages for any other information leading to the failure and (or) examine the status of the device(s) using SRDF Host Component, indicated by the ESWP580E | CGRS580E | FMMS580E | SCFS580E message, to determine the reason for the failure.

If you cannot determine the reason for the failure, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If this does not help you solve the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESWP583I | CGRS583I | FMMS583I | SCFS583I

```
(rrrrr) (PID ppppp) {R1|R2} USR-NRDY complete for Symdv# symdv#[-  
symdv#].
```

Cause

AutoSwap successfully changed the state of the indicated range of R1 or R2 PowerMax or

VMAX device numbers to USR Not Ready.

Verbose Level: 3

Action

None.

ESWP584E | CGRS584E | FMMS584E | SCFS584E

```
(rrrrr) (PID ppppp) R1=>R2 NRDY failed.
```

Cause

The R1 device could not be made Not Ready when swapping from an R1 to an R2.

Action

Examine other messages to determine the reason for the failure. If you cannot determine the reason for the failure, search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If this does not help you solve the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESWP585E | CGRS585E | FMMS585E | SCFS585E

```
(rrrrr) (PID ppppp) MClvl not valid for FBAUSRNRDY option:  
Mclvl/'FROM'/'TO' level/from_device/to_device
```

Cause

The UNPLANNEDOPTION FBAUSRNRDY value was specified for a storage system with too low an operating environment level as indicated by *level*. AutoSwap validation fails.

Action

Remove the FBAUSRNRDY option.

ESWP586E | CGRS586E | FMMS586E | SCFS586E

```
EMCSCF Version call failed RC/RS/ERS xxxxxxxx/yyyyyyyy/zzzzzzzz
```

Cause

An API call to locate the SCF version failed with the indicated diagnostic codes. AutoSwap initialization fails.

Action

Ensure that correct level of SCF is started. If the reason for the failure cannot be determined, contact the Dell EMC Customer Support Center.

ESWP587E | CGRS587E | FMMS587E | SCFS587E

```
(rrrrr) (PID ppppp) UCB not found for ONLINE 'FROM' device :  
'FROM'/'TO' from_device/to_device.
```

Cause

During AutoSwap validation, an online path group has been found for the indicated FROM device for the current LPAR even though an z/OS device could not be located by AutoSwap. This could indicate that the FROM device is online to the current host. The FROM and TO devices are displayed as *sccuu* or (when the CUU cannot be located) as *symms,symdv#*, with 2 leading digits of the device number suppressed when zero. The W form of the message is displayed if AllowOnlineUndefinedDevice was specified. The E form of the message is displayed if NOAllowOnlineUndefinedDevice was specified or defaulted.

If AllowOnlineUndefinedDevice was specified, then AutoSwap processing continues, otherwise validation processing terminates. SCF translates the device numbers for

AutoSwap. This message could indicate that SCF discovery processing failed or an SCF.DEV.EXCLUDE.LIST keyword may have been specified for the device.

Action

Check SCF for messages to determine if a failure has occurred. You can issue the SCF command DEV,DISPLAY CNTRL to display the details for the storage system. You can issue DEV,DISPLAY DEV to determine if a CCUU is known to SCF.

Check the SCF initialization file to determine if an SCF.DEV.EXCLUDE.LIST keyword has been specified for the device. If so, the device must be removed from this list, followed by an SCF INI,REFRESH and DEV,REFRESH command. The *ResourcePak Base for z/OS Product Guide* provides further information.

If you cannot determine the reason for the failure, contact the Dell EMC Customer Support Center.

ESWP587W | CGRS587W | FMMS587W | SCFS587W

```
(rrrrr) (PID ppppp) UCB not found for ONLINE 'FROM' device :  
'FROM'/'TO' from_device/to_device.
```

Cause

During AutoSwap validation, an online path group has been found for the indicated FROM device for the current LPAR even though an z/OS device could not be located by AutoSwap. This could indicate that the FROM device is online to the current host. The FROM and TO devices are displayed as *sccuu* or (when the CUU cannot be located) as *symms,symdv#*, with 2 leading digits of the device number suppressed when zero. The W form of the message is displayed if AllowOnlineUndefinedDevice was specified. The E form of the message is displayed if NOAllowOnlineUndefinedDevice was specified or defaulted.

If AllowOnlineUndefinedDevice was specified, then AutoSwap processing continues, otherwise validation processing terminates. SCF translates the device numbers for AutoSwap. This message could indicate that SCF discovery processing failed or an SCF.DEV.EXCLUDE.LIST keyword may have been specified for the device.

Action

Check SCF for messages to determine if a failure has occurred. You can issue the SCF command DEV,DISPLAY CNTRL to display the details for the storage system. You can issue DEV,DISPLAY DEV to determine if a CCUU is known to SCF.

Check the SCF initialization file to determine if an SCF.DEV.EXCLUDE.LIST keyword has been specified for the device. If so, the device must be removed from this list, followed by an SCF INI,REFRESH and DEV,REFRESH command. The *ResourcePak Base for z/OS Product Guide* provides further information.

If you cannot determine the reason for the failure, contact the Dell EMC Customer Support Center.

ESWP588E | CGRS588E | FMMS588E | SCFS588E

```
(rrrrr) (PID ppppp) Patch missing for ctrl# symms : <list of  
patches>
```

Cause

The indicated operating environment patches are missing on the indicated storage system.

Action

An error-level message indicates that the patch is required. If this message is displayed as an error, then the operating environment patches must be applied to the indicated storage system. AutoSwap will not allow devices to be swapped without these operating environment patches. Refer to any release notes to determine if other patches are required for storage systems used in AutoSwap processing. If you cannot determine the reason for the failure, contact the Dell EMC Customer Support Center.

ESWP588W | CGRS588W | FMMS588W | SCFS588W

```
(rrrrr) (PID ppppp) Patch missing for ctrl# symms : <list of patches>
```

Cause

The indicated operating environment patches are missing on the indicated storage system.

Action

A warning- level message indicates that the patch is optional. If this message is displayed as a warning then the operating environment patches may need to be applied to the indicated storage system. If the patches are not applied, reduced functionality of the AutoSwap product could result. If you cannot determine the reason for the failure, contact the Dell EMC Customer Support Center.

ESWP589E | CGRS589E | FMMS589E | SCFS589E

```
(rrrrr) (PID ppppp) {R1|R2} device sccuu did not go HA Write Enabled.
```

Cause

AutoSwap failed to make the indicated device write-enabled on the open systems host adapter (FA or SA).

The device is displayed as *sccuu* or (when the CUU cannot be located) as *symms,symdv#*, with 2 leading digits of the device number suppressed when zero.

Action

Examine the AutoSwap console messages for any other information leading to the failure. Examine the status of the device(s) using SRDF Host Component to determine the reason for the failure. If you cannot determine the reason, contact Dell EMC Customer Support Center.

ESWP590E | CGRS590E | FMMS590E | SCFS590E

```
(rrrrr) (PID ppppp) nnnnn of mmmmm {R1|R2} did not go HA Write Enabled  
DIR 0-63 port-mask  
DIR 64-127 port-mask
```

Cause

AutoSwap attempted to make a number (*mmmmm*) of R1 or R2s write-enabled on the open systems host adapter (FA or SA). However, some or all of those (*nnnnn*) failed to change status. The port mask indicates the ports, the device remains write disabled. Message CGRS589E is produced prior to this message to indicate the devices that failed. AutoSwap might attempt to retry the request. If AutoSwap cannot retry, or the retry fails, then swap processing continues and the devices remain write disabled.

Action

Further action may be required to make the devices usable on open systems.

ESWP591I | CGRS591I | FMMS591I | SCFS591I

```
(rrrrr) (PID ppppp) {R1|R2} HA Write Enable complete for Symdv# symdv#[-symdv#].
```

Cause

This message indicates that the SRDF R1 or R2 device device or range of devices are now write-enabled on the open systems host adapter (FA or SA).
Verbose level 3.

Action

None.

ESWP592W | CGRS592W | FMMS592W | SCFS592W

```
(rrrrr) (PID ppppp) {R1|R2} did not go HA Write Enabled,
redrive aaaa of bbbb.
```

Cause

An FBA SRDF device (R1 or R2) was not write-enabled on the open systems host adapter (FA or SA). The request will be redriven. Additional messages may be issued to indicate the reason for the failure. If the number of redrives is exceeded then the processing fails.

Action

If the number of redrives is exceeded or this error occurs frequently, contact the Dell EMC Customer Support Center.

ESWP593E | CGRS593E | FMMS593E | SCFS593E

```
(rrrrr) No active group swapgrp found for command request.
[Found count inactive groups.]
```

Cause

No active groups could be located for the command request. Where applicable, the count indicates groups that have been defined but are currently inactive.

Action

Enter the command for a group that is not inactive. A DISPLAY GROUP command may be used to show the status of groups.

ESWP594E | CGRS594E | FMMS594E | SCFS594E

```
SETSWAP action not specified. Expecting ENABLE, DISABLE.
```

Cause

The SETSWAP command did not have a valid action.

Action

Reenter the command using one of the expected values.

ESWP595I | CGRS595I | FMMS595I | SCFS595I

```
(rrrrr) Group swapgrp SWAP processing {ENABLED|DISABLED} from
host host (host-id).
```

Cause

The indicated group status has changed as a result of a request from the indicated host. The new host status is indicated as follows:

- ENABLED - Swap processing is now allowed for the group.
- DISABLED - Swap processing is no longer allowed for the group.

Message ESWP599W | CGRS599W | FMMS599W | SCFS599W will be displayed at 30 second intervals while the group is in the SWAP DISABLED state.

Action

None.

ESWP596E | CGRS596E | FMMS596E | SCFS596E

```
(rrrrr) Group swapgrp, ID seq# SWAP processing DISABLED.
```

Cause

A SWAP command was entered for a group that has been disabled for SWAP processing. The SWAP command will not be accepted until a SETSWAP ENABLE command has been entered for the group.

Action

Determine the reason for the group being DISABLED for swap processing. Some products interface with AutoSwap using the SETSWAP DISABLE command to prevent a SWAP occurring during processing that cannot tolerate a SWAP event. In these instances the disable should only be a short-term event. If required, a SETSWAP GROUP ENABLE command may be entered to allow the SWAP to be processed.

ESWP597I | CGRS597I | FMMS597I | SCFS597I

```
Device sccuu is now eligible for unplanned AutoSwap.
```

Cause

The indicate device is now eligible for unplanned swap processing.
Verbose Level: 1

Action

None.

ESWP598E | CGRS598E | FMMS598E | SCFS598E

```
(rrrrr) (PID ppppp) SETSWAP {ENABLE|DISABLE} completed:
```

Cause

Message ESWP598I | CGRS598I | FMMS598I | SCFS598I lists the message formats that may be returned.

Action

Examine the returned message to determine the reason. Where a host format entry is displayed, some additional information may be available in the z/OS syslog or AutoSwap job log on that host.

ESWP598I | CGRS598I | FMMS598I | SCFS598I

First line:

```
(rrrrr) (PID ppppp) SETSWAP [BACKOUT] {ENABLE|DISABLE} completed:
```

Next line is one of the following:

```
Group swapgrp now {ENABLED|DISABLED}[: ] [already in required state]
```

or

```
Group swapgrp [BACKOUT] {ENABLE|DISABLE} error[: same command active on this host]
```

or

```
Group swapgrp error:
```

List of host details follows (optional), one line per AutoSwap host:

```
host (host-id): text
```

Total lines follow:

```
Total groups processed : count  
Successful: count  
Failed: count
```

Cause

This message is produced as a result of a SETSWAP command. Each group affected by the command has a summary line to describe its new status. Where an error condition occurs, additional information is provided. Following each group description line is a status

line to indicate the status from each AutoSwap host. In some cases additional information is only supplied if the DETAIL keyword is specified. Error conditions are always externalized. Warning conditions are only externalized when the DETAIL keyword is specified.

text can be one of the following:

- `CSC Error, request could not complete` - The indicated host could not complete the request. The SCF Cross System Communication component has detected that the host is no longer valid. Additional messages will have been produced by SCF.
- `CSC Error, request RC/RS, xx/yy` - A condition was generated by the indicated host. However, the reason cannot be determined. Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.
- `CSC Error, request timed out` - A timeout has occurred during cross-system communication.
- `Error, duplicate request in progress` - Another SETSWAP command is active on the indicated host. Only one SETSWAP command may be active at the same time.
- `Error, other processing active` - An AutoSwap process is active on the host which prevents a SETSWAP DISABLE. For example, VALIDATE or SWAP processing. To determine the currently active processing, issue a DISPLAY GROUP command. After AutoSwap has completed its current processing, reenter the command.
- `Error, precluded by congroup` - ConGroup processing has precluded the AutoSwap SETSWAP processing. This would indicate that ConGroup has, or is in the process of, performing trip processing for the CAX group. After ConGroup has precluded AutoSwap processing no further swap is allowed for the group.
- `Error, request invalid (rs)` - The request is not valid on the indicated host. A reason code is displayed for Dell EMC diagnostic purposes. Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.
- `Request not completed` - The request has not yet completed.
- `Request valid, already in desired state` - The request completed successfully on the indicated host. The group was already in the desired state.
- `Request valid, RS rs` - The request completed successfully on the indicated host. The group is now in the desired state.
- `Warning, AutoSwap not active` - SCF and CSC are active on the indicated host, however AutoSwap is not active. If AutoSwap is activated on this host, the current ENABLED or DISABLED status of the group is communicated by the group owner.

- Warning, AutoSwap version not compatible - The AutoSwap level on the indicated host is not at the correct level.
- Warning, group not active - The group is not yet active on the indicated host. After the group is activated the then current ENABLED or DISABLED status of the group is communicated by the group owner.
- Warning, group not defined - The group is not defined on the indicated host.
- Warning, swap processing disabled - Swap processing is disabled on the indicated host.

The following totals lines are displayed after all groups lines to indicate the number of groups processed:

- Total groups processed : *count* - The total number of groups processed.
- Successful : *count* - The number of groups successfully processed.
- Failed : *count* - The number of groups that failed.

Action

None.

ESWP599W | CGRS599W | FMMS599W | SCFS599W

```
(rrrrr) Group swapgrp has been SWAP DISABLED for count seconds.
```

Cause

A group has been SWAP DISABLED SWAP for the indicated number of seconds. This message is output at 30 second intervals following a SETSWAP DISABLE command until a SETSWAP ENABLE command is entered. SWAP processing is prevented while the group is SWAP DISABLED.

Action

Determine the reason for the group being DISABLED for SWAP processing. If required a SETSWAP GROUP ENABLE command may be entered to allow the swap to be processed.

ESWP600W | CGRS600W | FMMS600W | SCFS600W

```
(rrrrr) Group swapgrp marked invalid for planned SWAP processing
[by host host (host-id)].
```

Cause

This message is generated by the AutoSwap group owner when the indicated group has been marked invalid for planned swap processing due to a non-owner AutoSwap device validation error. The group remains valid for unplanned swap processing.

The host(s) causing the invalid group state are identified either by the appended host name or by the preceding ESWP195I | CGRS195I | FMMS195I | SCFS195I message.

If an unplanned swap occurs while the group is in this state, the hosts with the group still marked valid will successfully complete the swap processing.

Action

Examine additional messages from the hosts SYSLOG as identified by the ESWP195I | CGRS195I | FMMS195I | SCFS195I message or from the host indicated in this message to determine the reason for the group becoming invalid. The group must be revalidated using the AutoSwap VALIDATE command prior to performing a planned swap.

ESWP601E | CGRS601E | FMMS601E | SCFS601E

```
(rrrrr) (PID ppppp) 'FROM' device from_device mismatching
RDFGROUP srdfgrp1 with ConGroup cngrp RDFGROUP srdfgrp2.
```

Cause

The indicated FROM device is part of a ConGroup defined continuous available group. During group validation, processing AutoSwap has detected an internal configuration mismatch in the indicated SRDF group (1) used in the original consistency group definition and the SRDF group (2) returned by an internal consistency group product API. This error can indicate a mismatch in the consistency group definitions between LPARs.

Action

Ensure that the indicated device is contained in the indicated consistency group and that the group is enabled and the correct SRDF group is specified. See the *Consistency Groups for z/OS Product Guide* for information about group definitions.

ESWP606W | CGRS606W | FMMS606W | SCFS606W

```
(rrrrr) (PID ppppp) ALLOWBINDS NO for device sccuu,  
RC/RS xxxxxxxx/yyyyyyyy.
```

Cause

During swap processing the indicated device received an error code from z/OS PAV ALLOWBINDS processing.

Action

Examine the device following the swap using z/OS D M=DEV and (or) the DS QPAV operator commands to ensure that the UCB PAV state is correct. If this is a TO device the VARY cccu,UNCOND command may be required to correct the device PAV state. If the reason for the error cannot be determined contact the Dell EMC Customer Support Center.

ESWP607W | CGRS607W | FMMS607W | SCFS607W

```
(rrrrr) (PID ppppp) UNBINDPAVALL for device sccuu,  
RC/RS xxxxxxxx/yyyyyyyy
```

Cause

During swap processing the indicated device received an error code from z/OS PAV UNBIND processing.

Action

Examine the device following the swap using z/OS D M=DEV and (or) the DS QPAV operator commands to ensure that the UCB PAV state is correct. If this is a TO device the VARY cccu,UNCOND command may be required to correct the device PAV state. If the reason for the error cannot be determined contact the Dell EMC Customer Support Center.

ESWP608W | CGRS608W | FMMS608W | SCFS608W

```
(rrrrr) (PID ppppp) ALLOWBINDS YES for device sccuu, RC/RS  
xxxxxxx/yyyyyyyy.
```

Cause

During swap processing the indicated device received an error code from z/OS PAV ALLOWBINDS processing.

Action

Examine the device following the swap using z/OS D M=DEV and (or) the DS QPAV operator commands to ensure that the UCB PAV state is correct. If this is a TO device the VARY cccu,UNCOND command may be required to correct the device PAV state. If the reason for the error cannot be determined contact the Dell EMC Customer Support Center.

ESWP609I | CGRS609I | FMMS609I | SCFS609I

```
(rrrrr) (PID ppppp) 'FROM' device from_device pending offline at SWAP.
```

Cause

The indicated FROM device was detected as pending offline during swap processing. AutoSwap will complete the offline processing for this device in swap cleanup processing (following message ESWP512I | CGRS512I | FMMS512I | SCFS512I).

The following z/OS message might be issued during this processing: IEE303I

```
from_device OFFLINE BY AutoSwap.
```

The TO device will remain online following the swap processing. AutoSwap does not automatically issue the VARY OFFLINE for the TO device as the reason is unclear for the pending offline condition.

Action

If necessary, issue the VARY OFFLINE command for the TO device.

ESWP610S | CGRS610S | FMMS610S | SCFS610S

```
(rrrrr) Lost Owner Policy WTOR failed, waiting for owner
```

Cause

During swap processing, Lost Owner Policy processing was entered on a non-owner system. However, the WTOR associated with the LOP OPERATOR option could not be processed due to an operating system environmental issue. Other z/OS messages might describe the reason for this issue (for example, IEA557A). It is likely that the environmental issue is temporary and is occurring due to the swap processing.

The non-owner AutoSwap host waits for the group owner to either be restored or a new owner to be established on a different AutoSwap host.

Action

Determine the reason for the owner system causing the non-owner to enter the LOP processing. The owner might temporarily be unavailable due to a different tardy non-owner system or elongated processing times. Where the owner is still active it is appropriate to wait for it to complete processing at which time the non-owner will continue.

ESWP612I | CGRS612I | FMMS612I | SCFS612I

```
(rrrrr) AutoSwap group swapgrp owner status allows selected lost owner policy: condition
```

Cause

The response from the OPERATOR as a result of critical system WTOR CGRS485A is acceptable as the AutoSwap owner is no longer active or the owner has also enacted a similar action. For example, the owner has backed out. *condition* is appended to this message for further information. These owner conditions allow selected LOP action:

- BACKOUT active
- BACKOUT completed
- group invalid
- SWAP disabled

Action

None.

ESWP613W | CGRS613W | FMMS613W | SCFS613W

```
(rrrrr) AutoSwap group swapgrp owner status disallows selected
lost owner policy: condition
```

Cause

The response from the OPERATOR as a result of critical system WTOR CGRS485A is not acceptable as the AutoSwap owner is still active and processing or the owner has completed a swap and the operator action would cause an issue. WTOR CGRS485A is displayed again to allow an alternate operator response. Note that where the owner is still actively swapping it is appropriate to not respond to the CGRS485A WTOR. In this instance, the WTOR message will be DOM'd when the owner signals the non-owner to continue.

condition is appended to this message for further information. These owner conditions do not allow the selected LOP action:

- SWAP active
- VALIDATE active
- SWAP completed
- Request timeout
- Internal RSN *rsn*

Action

Respond to message CGRS485A with an appropriate action. To force the requested action to be accepted, FORCE may be appended to the action. For example, BACKOUTFORCE. Extreme care must be exercised in this instance as doing so could cause issues with AutoSwap hosts that have completed swap processing or it may cause the whole swap to backout.

ESWP614E | CGRS614E | FMMS614E | SCFS614E

```
(rrrrr) Alternate Ss has ccccc devices not in group swapgrp
Currently active subchannel set is SSc
Target active subchannel set is SSt

**Err : IODF ACTIVATE may result in loss of access to inuse devices
**Err : IPL from SSt may result in loss of access to inuse devices
cccc devices are online [(ONL)]
dddd devices are in use by a system component [(OSY)]

[Detail device list:
  xxxx[-yyyy]{ONL|OSY}[,...]
]
```

Cause

The indicated group contains TO devices in the alternate subchannel set as indicated by SSt. The currently active subchannel set is indicated by SSc.

Following a VALIDATE of such a group AutoSwap verifies whether or not the group contains all special 3390D devices in the alternate subchannel set where there is matching non-3390D non-special device in the active subchannel set.

This message is indicating that there are a count of ccccc such devices in this subchannel set not being swapped as part of this group. Following an AutoSwap SWAP of this group these devices might not be accessible following any IODF ACTIVATE during the current IPL or might not be accessible following an IPL from this TO subchannel set.

The generation of this message as either a 'W' or 'E' level message depends on whether the missing devices are online. This includes regular online devices as well as those that are in use by a system component (identified as F-SYS on a D U display).

If any online devices are detected, then an 'E' level display message is generated to indicate the loss of access will occur to in-use devices and could cause impact. In this situation, a planned swap is disallowed and the condition must be resolved. Additional lines

are generated to indicate the type and count of devices causing issue:

- *oooo* devices are online [(ONL)]
- *dddd* devices are in use by a system component [(OSY)]

The detail device list will be shown at the conclusion of VALIDATE processing the first time this condition is detected and always for error conditions. The device list shows all the devices in the target subchannel set defined as special 3390D for which there is a paired non-3390D non-special device in the active subchannel set which is not part of the AutoSwap group:

- ONL indicates the device range is online,
- OSY indicates the device range is in use by a system component

Action

Verify whether or not other devices in the subchannel set should be part of the AutoSwap group.

This condition must be resolved to allow a planned SWAP to take place. An unplanned SWAP will, however, be allowed.

The current state of the group may be displayed using the AutoSwap DISPLAY GROUP ALTSSMISSING [DETail] command.

ESWP614W | CGRS614W | FMMS614W | SCFS614W

```
(rrrrr) Alternate SSs has ccccc devices not in group swapgrp
Currently active subchannel set is SSc
Target active subchannel set is SSt

**Warn: IODF ACTIVATE may result in loss of access to devices
**Warn: IPL from SSt may result in loss of access to devices

[Detail device list:
  xxxx[-yyyy] [, ...]
]
```

Cause

The indicated group contains TO devices in the alternate subchannel set as indicated by SSt. The currently active subchannel set is indicated by SSc.

Following a VALIDATE of such a group AutoSwap verifies whether or not the group contains all special 3390D devices in the alternate subchannel set where there is matching non-3390D non-special device in the active subchannel set.

This message is indicating that there are a count of ccccc such devices in this subchannel set not being swapped as part of this group. Following an AutoSwap SWAP of this group these devices might not be accessible following any IODF ACTIVATE during the current IPL or might not be accessible following an IPL from this TO subchannel set.

The generation of this message as either a 'W' or 'E' level message depends on whether the missing devices are online. This includes regular online devices as well as those that are in use by a system component (identified as F-SYS on a D U display). If no online devices are detected, then a 'W' level display message is generated.

The detail device list will be shown at the conclusion of VALIDATE processing the first time this condition is detected and always for error conditions. The device list shows all the devices in the target subchannel set defined as special 3390D for which there is a paired non-3390D non-special device in the active subchannel set which is not part of the AutoSwap group.

Action

Verify whether or not other devices in the subchannel set should be part of the AutoSwap group.

The current state of the group may be displayed using the AutoSwap DISPLAY GROUP ALTSSMISSING [DETail] command.

ESWP616W | CGRS616W | FMMS616W | SCFS616W

```
(rrrrr) (PID ppppp) Host Read Only support for device DEV  
device sccuu is not in our SCF xxxx; is in yyyy.
```

Cause

The indicated device is set as Host Read Only by an SCF other than the one that AutoSwap is using. The SCF subsystem names are indicate by xxxx and yyyy.

Action

Verify that the Host Read Only attribute is correctly set in the appropriate SCF. If the indicated SCFyyyy is shutdown then the device might change states to Read/Write. The Host Read Only attribute can be set using the SCF.DEV.ATTR.HRO settings in the SCF initialization file, as described in the *ResourcePak Base for z/OS Product Guide*.

ESWP617I | CGRS617I | FMMS617I | SCFS617I

```
(rrrrr) (PID ppppp) 'TO' device sccuu is ONLINE. Allowed by Host  
Read Only attribute.
```

Cause

The TO device is ONLINE and the AllowOnlineToDevice AutoSwap option was set. The device is additionally set as Host Read Only. This message is indicating a valid state. Following an AutoSwap swap, the device will remain Host Read Only.

Action

None.

ESWP618I | CGRS618I | FMMS618I | SCFS618I

```
(rrrrr) (PID ppppp) 'FROM' device sccuu has the Host Read Only  
attribute.
```

Cause

The FROM device has the Host Read Only attribute set by an SCF on the local host.

Action

None.

ESWP619I | CGRS619I | FMMS619I | SCFS619I

```
(rrrrr) (PID ppppp) 'TO' device sccuu has the Host Read Only  
attribute.
```

Cause

The TO device sccuu has the Host Read Only attribute set by an SCF on the local host.

Action

None.

ESWP620W | CGRS620W | FMMS620W | SCFS620W

```
(rrrrr) (PID ppppp) 'TO' device sccuu is not Host Read Only. UCB  
will not be swapped.
```

Cause

The indicated TO device is not set as Host Read Only. The FROM device does have the Host Read Only attribute as indicated by related message ESWP618I | CGRS618I | FMMS618I | SCFS618I.

When the AutoSwap swap is performed, the FROM device UCB will remain online and will

not be swapped. In this case, the state of the FROM device depends on the AutoSwap ChangeSourceDevice (CSD) specification:

- If CSD indicates (or defaults) to one of the NRDY states, then the FROM device will become not ready to the host and any read or write accesses to the device will result in an Intervention Required condition. If the NRDY state is removed (for example, using SRDF Host Component), then the device retains the HRO attribute.
- If CSD indicates that the FROM devices should be NONRDY, then the FROM device remains HRO.

Action

Ensure that this is the desired state from the FROM device. If necessary, add a SCF.DEV.ATTR.HRO.INCLUDE statement for the TO device to the SCF initialization file, as described in the *ResourcePak Base for z/OS Product Guide*.

ESWP621I | CGRS621I | FMMS621I | SCFS621I

```
(rrrrr) (PID ppppp) 'FROM' device sccuu no longer has the Host Read Only attribute.
```

Cause

The FROM device *sccuu* no longer has the Host Read Only attribute set by an SCF on the local host.

Action

None.

ESWP622I | CGRS622I | FMMS622I | SCFS622I

```
(rrrrr) (PID ppppp) 'TO' device sccuu no longer has the Host Read Only attribute.
```

Cause

The TO device no longer has the Host Read Only attribute set by an SCF on the local host.

Action

None.

ESWP623E | CGRS623E | FMMS623E | SCFS623E

```
(rrrrr) (PID ppppp) JES3 candidate verification failed for 'FROM'/'TO' from_device/to_device: reason.
```

Cause

During AutoSwap validation processing the indicated devices failed JES3 candidate verification processing. The failure reason from JES3 is one of the following:

- Invalid Device - Ensure the DEVICE XTYPE definitions for the devices define the same device type.
- Device in use - Another DDR process is in progress
- FROM offline to JES3
- TO online to JES3

Reason *xx xx* indicates an unknown code value.

Action

Examine the explanation returned by JES3. If the device state with JES3 is indicated as being inconsistent with z/OS, correct the state using JES3 *V commands.

ESWP624W | CGRS624W | FMMS624W | SCFS624W

```
(rrrrr) (PID ppppp) Required IO quiesce level lost during device modifications.
```

Cause

During swap processing the I/O quiesce level was no longer held. This would result in IO being allowed to the device. The device swap processing is terminated and a backout performed. This is an expected condition when z/OS Migrator is performing volume migration processing for paging devices. z/OS Migrator will re-attempt the SWAP.

Action

For z/OS Migrator this is an expected condition and is generated at a verbose level 3. For all other users this is an unexpected condition and could indicate an internal error. Contact the Dell EMC Customer Support Center.

ESWP625W | CGRS625W | FMMS625W | SCFS625W

```
(rrrrr) (PID ppppp) FROM device sccuu not accessible : explanation
```

Cause

AutoSwap has detected a loss of access to the FROM device. Further information as to how the loss was detected is indicated by *explanation*:

- No-paths (xxxxxxxx, yyyyyyyy) - No-paths was detected during path validation processing. xxxxxxxx and yyyyyyyy are diagnostic codes.
- UCB condition (xxxxxxxx) - The UCB is in an invalid state. xxxxxxxx indicates the state reason as documented in message ESWP000E | CGRS000E | FMMS000E | SCFS000E.

If access to the device is restored, message ESWP626I | CGRS626I | FMMS626I | SCFS626I will be displayed.

Action

None.

ESWP626I | CGRS626I | FMMS626I | SCFS626I

```
(rrrrr) (PID ppppp) FROM device sccuu now accessible.
```

Cause

Access to the source device is restored.

Action

None.

ESWP627I | CGRS627I | FMMS627I | SCFS627I

```
(rrrrr) (PID ppppp) Loss of access detected to Ctrl# symms
```

Cause

Summary message generated when at least 1 device has lost access to a source storage system.

Action

None.

ESWP628W | CGRS628W | FMMS628W | SCFS628W

```
(rrrrr) (PID ppppp) System count cannot be verified with pathgroup
```

```
data due to PATHGROUP API failure.
```

Cause

System count processing could not verify the established pathgroups to the device due to an internal API failure. This could occur if loss of access has occurred to devices.

Action

If the reason for the failure cannot be determined contact the Dell EMC Customer Support Center.

ESWP630W | CGRS630W | FMMS630W | SCFS630W

```
(rrrrr) (PID ppppp) VALIDATE active at SWAP for high priority device 'FROM'/'TO' from_device/to_device.
```

Cause

Validation processing was detected during the swap initiation processing of the indicated high priority device. High priority swap processing will wait for a short period of time to allow the validation processing to completed. If the group goes invalid during the validation processing then the high priority swap will not be initiated and message ESWP632E | CGRS632E | FMMS632E | SCFS632E will be displayed.

Action

None.

ESWP631W | CGRS631W | FMMS631W | SCFS631W

```
(rrrrr) (PID ppppp) Paging IO detected during SWAP processing. AutoSwap processing cancelled.
```

Cause

Paging I/O was detected during swap processing on behalf of z/OS Migrator. The swap processing is terminated an control is returned to migrator processing. This is an expected condition when z/OS Migrator is performing volume migration processing for paging devices. z/OS Migrator will re-attempt the SWAP.

Action

None.

ESWP632E | CGRS632E | FMMS632E | SCFS632E

```
(rrrrr) Group found invalid during High Priority SWAP processing.
```

Cause

During swap initiation processing for high priority swap devices the group was found to be invalid. Swap processing for the high priority device is not initiated. Examine the SYSLOG for addition messages to indicate the reason for the invalid state.

Action

In order to perform swap processing the group must be revalidated using the VALIDATE command.

ESWP633I | CGRS633I | FMMS633I | SCFS633I

```
(rrrrr) command request access {allowed|denied}  
Resource: EMC.ADMIN.CMD.AUTOSWAP.nnnnnnnn explanation
```

Cause

The indicated AutoSwap operator command was processed through the Dell EMC SAF interface and was allowed or denied. When denied, the command processing is terminated. The associated resource name is indicated by *nnnnnnnn* and additional security product

explanation is indicated by *explanation*.

Verbose Level: 10 for allowed access. Otherwise this message is not issued as a verbose message.

Action

If a denied message is issued, then refer to the accompanying security product messages (for example, ICH408I) to determine the required resource access required.

ESWP634E | CGRS634E | FMMS634E | SCFS634E

```
Cannot process command request. Incompatible with AutoSwap version  
(xx,xx) .
```

Cause

An AutoSwap operator command was entered through the AutoSwap internal command interface. The interfacing product is not at the correct software level to issue this command. Diagnostic data is issued in the xx,xx fields for Dell EMC technical support.

Action

Verify that the product interfacing with AutoSwap is installed at the correct maintenance level for the underlying AutoSwap product. If the reason for the failure cannot be determined contact Dell EMC Customer Support Center.

ESWP641W | CGRS641W | FMMS641W | SCFS641W

```
(rrrrr) (PID ppppp) Host Read Only support for device sccuu cannot  
be determined. Using prior known state.
```

Cause

During a VALIDATE or SWAP request for the indicated device, AutoSwap was unable to determine the current Host Read Only (HRO) state for the device. This condition could occur, for example, when a device is inaccessible due to a no-path condition, the device has been boxed, or the HRO API times out.

This message could additionally be generated during VARY ONLINE or OFFLINE processing when AutoSwap reevaluates the HRO state.

Host Read Only is only applicable where an active SCF on the local LPAR contains a SCF.DEV.ATTR.HRO.INCLUDE specification.

Action

AutoSwap processing continues with the last known Host Read Only state. Additional messages ESWP618I | CGRS618I | ESWP618I | SCFS618I or ESWP619I | CGRS619I | ESWP619I | SCFS619I will be displayed when the device is in a HRO state.

ESWP642W | CGRS642W | FMMS642W | SCFS642W

```
(rrrrr) ChangeSourceDevice=UsrNRDY changed to NRDY for High  
Priority as this is unsupported on one or more hosts.
```

Cause

During validation processing, another AutoSwap host was detected with high priority devices that do not support CSD=USRNRDY for these devices. In this instance, the local AutoSwap host uses the NRDY setting instead of USR-NRDY to maintain compatibility with this other AutoSwap host.

AutoSwap with high priority and CSD=USRNRDY was added in Mainframe Enablers 7.5 and at some PTF levels of Mainframe Enablers 7.3 and Mainframe Enablers 7.4.

Action

None.

ESWP643W | CGRS643W | FMMS643W | SCFS643W

```
(rrrrr) (PID ppppp) 'FROM' device sccuu UCB has been deleted.
```

Cause

During AutoSwap validation or swap processing, the indicated FROM device has been detected as deleted. This message is normally displayed following an IODF ACTIVATE.

Action

None.

ESWP644W | CGRS644W | FMMS644W | SCFS644W

```
(rrrrr) (PID ppppp) 'TO' device sccuu UCB has been deleted.
```

Cause

During AutoSwap validation or swap processing, the indicated TO device has been detected as deleted. This message is normally displayed following an IODF ACTIVATE.

Action

None.

ESWP645E | CGRS645E | FMMS645E | SCFS645E

```
UCBPIN PIN error RC/RS xxxxxxxx/yyyyyyyy for device sccuu.
```

Cause

During IODF ACTIVATE processing, AutoSwap failed to PIN the indicated device. This was being done in order to block the configuration change due to an unacceptable configuration change. The associated UCBPIN return (xxxxxxx) and reason code (yyyyyyy) described the UCBPIN issue. AutoSwap will attempt to PIN another device.

Action

Examine the UCBPIN return and reason codes to determine the reason for the failure. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

ESWP646I | CGRS646I | FMMS646I | SCFS646I

```
AutoSwap ACTIVATE results
{ACTIVATE rejected by AutoSwap|
ACTIVATE permitted by AutoSwap|
ACTIVATE was rejected}
[ 'TO' AutoSwap device(s) being deleted:]
[ 'TO' AutoSwap device(s) in CSS cc being deleted by hardware ACTIVATE:]
[ 'FROM' AutoSwap device(s) being deleted:]
[ 'FROM' AutoSwap device(s) UNPLANNED re-ENABLEd:]
[ 'FROM' AutoSwap device(s) in CSS cc being deleted by hardware
ACTIVATE:]
Devices Affected      : aaaaa
Blocking              : bbbbb
Ranges displayed     : ccccc
Not displayed        : ddddd
```

Cause

Issued during an IODF ACTIVATE where affected devices are being managed by AutoSwap. This is a multiline message that indicates informational, warning, and error situations.

There are three forms of the message header:

- ACTIVATE rejected by AutoSwap - This is issued where the IODF ACTIVATE is performing an action that will cause an issue with AutoSwap. AutoSwap will hold a blocking PIN on the ACTIVATE to prevent it being processed. Additional processing

will be required to allow the ACTIVATE to proceed.

- `ACTIVATE` permitted by `AutoSwap` - This is issued where the IODF `ACTIVATE` is allowed to continue. Either `AutoSwap` has determined that the configuration change will not cause an issue, or all affected `AutoSwap` groups are now `SETSWAP DISABLED`.
- `ACTIVATE` was rejected - An IODF `ACTIVATE` was rejected and `AutoSwap` is performing an action to reinstate device states performed during the verify stage of the `ACTIVATE`.

Following this header are the TO and FROM device ranges being affected. Each device range (list of ranges) is displayed in groups of common explanations. Some ranges could be information while others could be warning or error ranges. The common format for these explanations is as follows:

- `Note` - Indicates an information message.
- `Warn` - Indicates a warning message. This could indicate a situation that might arise once the `ACTIVATE` has completed and, where the `SETSWAP DISABLE` is active, a `SETSWAP ENABLE` is issued.
- `Reason` - Indicates the reason why the `ACTIVATE` is being blocked.

Explanations for the device ranges are as follows:

- `Note: UNPLANNED is now DISABLED` - Informational explanation indicating that the device range was acceptable and `AutoSwap` has temporarily disabled the unplanned triggers for the listed device(s). Once the IODF `ACTIVATE` completes, an `AutoSwap VALIDATE` will be performed to revalidate the devices and unplanned processing will again be enabled on relevant devices.
- `Note: UNPLANNED had been DISABLED prior to ACTIVATE` - Informational explanation indicating that the device range was disabled for swap processing, most likely, via a `SETSWAP DISABLE` command prior to the `ACTIVATE` processing. A `SETSWAP ENABLE` will be required following the `ACTIVATE` completion to re-enable the `AutoSwap` group.
- `Warn: 'FROM' partner device is ONLINE and delete will result in an invalid AutoSwap group` - Warning explanation indicating that the device range was disabled for swap processing, most likely, via a `SETSWAP DISABLE` command prior to the `ACTIVATE` processing. However, the `SETSWAP DISABLE` was not appropriate in this instance as the FROM device is online. Following the `ACTIVATE` there will be no TO device. If the TO device is not re-added then the `SETSWAP ENABLE` will result in a `VALIDATE` failure. If the FROM device is not really being accessed it may be varied offline prior to the `ACTIVATE` or `SETSWAP ENABLE`.
- `Reason: 'FROM' partner device is ONLINE and delete will result in an invalid AutoSwap group` - Error explanation indicating that the device range cannot be affected as the FROM device is online. This is an error as `AutoSwap` requires a TO device in order to satisfy SWAP processing where the FROM device is being used. Otherwise access to the device will be lost following a SWAP. If the FROM device is not really being used, it may be varied offline to allow the `ACTIVATE` to continue. The only time a `SETSWAP DISABLE` is appropriate to bypass this condition is if the device will be re-added prior to the `SETSWAP ENABLE`. In some

instances IODF ACTIVATE processing will delete a device UCB and then re-add it to satisfy a particular configuration change. For example, a path or CHPID change. In this instance a SETSWAP DISABLE may be appropriate.

- Reason: SETSWAP DISABLE required prior to ACTIVATE - A previously stated reason for this device range indicates a 'Reason' that can reasonably be satisfied by a SETSWAP DISABLE. In this instance a SETSWAP DISABLE is appropriate and should be performed prior to the ACTIVATE.
- Reason: 'FROM' partner device UNPLANNED ENABLED - Error explanation to indicate a TO device is being deleted by a hardware activate and the FROM device is enabled for unplanned processing. Deleting this device range could cause a SWAP failure on another LPAR if the associated FROM device(s) on that LPAR are online. Prior to a hardware activate the software only activate should be performed on all other LPARs-1. If this has been performed then a SETSWAP DISABLE is the appropriate action on the final LPAR to allow the ACTIVATE to proceed.
- Reason: 'TO' controller ACCESS device - Error explanation to indicate that the TO storage system access, or gatekeeper device, is being deleted as part of this ACTIVATE. Deleting this device will affect AutoSwap and the SCF Cross System Communication component. This could cause SWAP issues if another access device is not available. A new access device should be set in the SCF initialization parameter file using the SCF.CSC.GATEKEEPER specification and the device being deleted should be removed and an SCF INI,REFRESH command should be performed. CSC and AutoSwap will select this new access device during the INI,REFRESH processing. In the case where all devices are being deleted from the storage system it would be appropriate to first delete the device range from the ConGroup AutoSwap CAX group using the ConGroup dynamic delete command.
- Reason: Device(s) are blocking the configuration change - A previously stated 'Reason' is blocking the configuration change.

Summary counts follow the message ranges. The counts are as follows:

- *aaaaa* - Total number of AutoSwap devices being affected by the ACTIVATE.
- *bbbbbb* - Total number of AutoSwap devices blocking the ACTIVATE.
- *cccccc* - Total AutoSwap device ranges displayed.
- *dddddd* - Total AutoSwap devices not displayed due to a buffer shortage.

Action

Examine the FROM and TO device ranges and the associated 'Note', 'Warn' and 'Reason' texts to determine the appropriate action.

ESWP647I | CGRS647I | FMMS647I | SCFS647I

```
(rrrrr) (PID ppppp) 'TO' device sccuu now accessible.
```

Cause

Access to the target device is restored.
Verbose level : 3

Action

None.

ESWP648E | CGRS648E | FMMS648E | SCFS648E

```
(rrrrr) (PID ppppp) Cannot locate 'TO' device for 'FROM'  
device sccuu. explanation
```

Cause

During AutoSwap VALIDATE processing AutoSwap could not locate a partner TO device for the indicated FROM device.

A FROM device must be resolved in this instance to allow a successful swap to be performed. An explanation follows to indicate why this is considered an error. In each of these cases AutoSwap must be able to access a TO device. Otherwise access will be lost after a swap.

- 'FROM' device is ONLINE. - The FROM device is in ONLINE and presumably in use. If the FROM device is not really in use then varying the FROM device offline will resolve this situation.
- 'FROM' device is in altSS aa. - The FROM device is in a subchannel set other than 0 as indicated by aa. AutoSwap must always be able to swap a device in a non 0 subchannel set otherwise access to the data might be lost following an IPL.
- 'FROM' device is in EVME. - AutoSwap is running as part of the zVM AutoSwap product set. The FROM device is accessible to VM guests and therefore the TO device must be resolved in order to allow those guests access to the data following the swap. Otherwise a loss of the guest or loss of data available to the guest will occur.

AutoSwap uses the facilities of CSC to resolve the device. Prior to declaring this an error AutoSwap may have requested SCF to perform a RESCAN to ensure that the SCF discovery tables are up to date. Message ESWP244E | CGRS244E | FMMS244E | SCFS244E will follow to indicate the information that AutoSwap is using in order to resolve the TO device.

Action

Resolve the issue as indicated in the explanation. In addition, SCF EXCLUDE statements in the SCF initialization file may have been specified which may have resulted in this error. If this is the case, remove those EXCLUDE statements and issue the SCF DEV,RESCAN operator command.

The *ResourcePak Base for z/OS Product Guide* provides information about SCF and the usage of EXCLUDE statements.

If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

ESWP649I | CGRS649I | FMMS649I | SCFS649I

```
(rrrrr) (PID ppppp) Phase zz, serialize dynamic configuration  
change.
```

Cause

AutoSwap is serializing with IODF ACTIVATE processing as part of the indicated phase. AutoSwap performs this serialization to prevent its processing from impacting a configuration change.

Verbose level : 2

Action

None

ESWP650W | CGRS650W | FMMS650W | SCFS650W

```
(rrrrr) (PID ppppp) Dynamic configuration ACTIVATE ENQ cannot be serialized during {VALIDATE|SWAP[;Unplanned]}. Processing continues.
```

Cause

AutoSwap was unable to obtain SHR serialization to the IODF ACTIVATE ENQ during the indicated processing. The issuance of this message indicates that processing will continue. Prior to issuing this message AutoSwap waits for a reasonable amount of time in order to allow any dynamic configuration processing to complete.

Action

None. If a third party is holding EXCL access to the ENQ, contact that party to determine the reason. See message ESWP0651W | CGRS0651W | FMMS0651W | SCFS0651W for further information.

ESWP651W | CGRS651W | FMMS651W | SCFS651W

```
(rrrrr) (PID ppppp) Waiting for dynamic configuration change completion during {VALIDATE|SWAP[;Unplanned]}.
```

Cause

AutoSwap is waiting to obtain SHR serialization to the IODF ACTIVATE ENQ during the indicated processing. AutoSwap obtains this serialization in order to prevent IODF ACTIVATE processing from interfering with the indicated processing. AutoSwap will display this message every 10 seconds until it obtains the serialization. AutoSwap will wait up to ½ the cross system timeout value if an active IODF configuration change is really in progress. This can be confirmed by the z/OS operator command: D IOS,CONFIG.

A minimal 10 second wait period is applied in the following circumstances:

- IODF activate processing is not currently in progress but a third party is holding EXCL access to the ENQ, or
- if an unplanned swap is in effect.

Action

An active IODF configuration change can be determined using the z/OS command: D IOS,CONFIG.

In addition, the resource holder of this ENQ can be determined using the z/OS command: D GRS,RES=(SYSZIOS,DYNAMIC).

Following the maximum wait period processing will continue and message ESWP650W | CGRS650W | FMMS650W | SCFS650W is displayed. If a third party is holding EXCL access to the ENQ, then contact that party to determine the reason.

ESWP657I | CGRS657I | FMMS657I | SCFS657I

```
(rrrrr) Group swapgrp, ID seq# SWAP processing previously completed.
```

Cause

Swap processing has already been completed for the group and the requested action is no longer applicable.

Action

None.

ESWP658I | CGRS658I | FMMS658I | SCFS658I

```
(rrrrr) (PID ppppp) command redrive will use device sccuu as access was lost to device sccuu.
```

Cause

During SRDF reconfiguration processing, the indicated command failed due to loss of access to the indicated device. AutoSwap has determined an alternate device to use in the redrive of this command.

Action

None.

ESWP659W | CGRS659W | FMMS659W | SCFS659W

```
(rrrrr) (PID ppppp) 'FROM' device sccuu dropped and BOX'd
during {SWAP|BACKOUT}. reason.
```

Cause

An error has occurred during an AutoSwap unplanned swap. During the swap, AutoSwap interfaces with an IBM service that is failing the UCB swap request. AutoSwap has determined that the UCB swap can never succeed for the indicated device. Other actions may have been attempted by AutoSwap to correct the issue prior to the issuance of this message. In order to allow the processing to continue and not result in a backout, AutoSwap drops the indicated device from swap processing. To ensure data integrity, AutoSwap prevents access to the FROM device by performing a BOX operation. The action performed by AutoSwap is indicated as follows:

- SWAP - The condition occurred during swap processing.
- BACKOUT - The condition occurred during swap backout processing.

A reason for the UCB swap failure is described as follows:

- 'TO' device sccuu subchannel is not enabled. - The TO device cannot be the target of the UCB swap as it is not enabled. This could mean the device is BOXed. AutoSwap attempts to unBOX these devices. However, if this was not successful then it could mean that the device is no longer connected, i.e. it has been deleted. This issue can occur if a hardware IODF ACTIVATE has been requested on one LPAR that is affecting (deleting) devices on the LPAR where the message is displayed.

Action

Following the swap completion, determine if access to the indicated FROM device is required. If so, the TO device UCB is required to be accessible. If a hardware IODF ACTIVATE deleted the TO UCB then it will need to be re-added and varied online.

ESWP660W | CGRS660W | FMMS660W | SCFS660W

```
(rrrrr) (PID ppppp) 'TO' device sccuu not accessible : reason
```

Cause

AutoSwap has detected a loss of access to the indicated TO device. Further information as to how the loss was detected is indicated by the reason:

- No-paths (xxxxxxxx, yyyyyyyy) - No-paths was detected during path validation processing. xxxxxxxx and yyyyyyyy are diagnostic codes.
- UCB condition (xxxxxxxx) - The UCB is in an invalid state. xxxxxxxx indicates the state reason as documented in message ESWP000E | CGRS000E | FMMS000E | SCFS000E.

If access is restored, message ESWP647I | CGRS647I | FMMS647I | SCFS647I is displayed.

Action

None.

ESWP661I | CGRS661I | FMMS661I | SCFS661I

```
(rrrrr) Group swapgrp transitioned to valid for SWAP processing {locally|on all hosts}.
```

Cause

The indicated group which was previously marked invalid has now transitioned to a valid state.

The following text indicates where the group is now valid:

- *locally* - The group is now valid on the local host. On a non-owner, this transition will be signaled to the owner. The owner will subsequently validate the group to determine if the group is now valid on all hosts.
- *on all hosts* - The group is now valid on all hosts. This form of the message is displayed on the owner only.

On notification of such a transition, the owner will display message ESWP662I | CGRS662I | FMMS662I | SCFS662I prior to performing a full group validation to determine if all non-owners are now valid.

Action

None.

ESWP662I | CGRS662I | FMMS662I | SCFS662I

```
(rrrrr) Group swapgrp VALIDATE scheduled due to transition to valid on host host (host-id).
```

Cause

The AutoSwap group owner has been notified of a transition to a valid state from the indicated host. The owner will now perform a full group validate to ensure the group is now valid on all hosts.

See also ESWP661I | CGRS661I | FMMS661I | SCFS661I.

Action

None.

ESWP663W | CGRS663W | FMMS663W | SCFS663W

```
(rrrrr) (PID ppppp) System count cannot be verified with pathgroup data due to no access to 'FROM' device.
```

Cause

During AutoSwap VALIDATE processing the verification of online hosts cannot be completed due to the inaccessibility of a FROM device. AutoSwap uses the last known path count for system count processing and continues processing.

Action

None.

ESWP664I | CGRS664I | FMMS664I | SCFS664I

```
(rrrrr) (PID ppppp) 'FROM' device sccuu deferred BOX processing complete.
```

Cause

During AutoSwap swap processing, the indicated device was detected as undergoing a BOX condition. Due to the swap processing, this BOX processing is deferred until either the swap completes successfully or a backout occurs.

Action

Refer to other IOS messages to determine the reason for the BOX condition. Message ESWP659W | CGRS659W | FMMS659W | SCFS659W may have been displayed previously to indicate the BOX condition was due to an issue during the UCB swap processing.

ESWP669I | CGRS669I | FMMS669I | SCFS669I

```
(rrrrr) Group swapgrp terminated on host host (host-id)
```

Cause

The AutoSwap group owner has been notified of the termination of the swap group on the indicated host. The termination could be, for example, due to the swap group being deleted or the AutoSwap address space being shut down on the indicated host. The owner performs full group validation to ensure that the group is valid on all hosts.

Action

None.

ESWP670I | CGRS670I | FMMS670I | SCFS670I

```
(rrrrrr) (PID ppppp) HyperPAV Base sccuu VARY ccuu, UNCOND required due to Alias alias RS reason_code.
```

Cause

During AutoSwap HyperPAV bind processing, the indicated alias could not be made available to the indicate base device. AutoSwap has attempted but failed to resolve the situation.

The RS value indicates why the alias is not available:

- 0 - ALIAS state not determined
- 1 - ALIAS not HPAV ALIAS
- 2 - HPAV ALIAS UCB not found
- 3 - HPAV ALIAS UCB BOXed
- 4 - HPAV ALIAS has no-paths
- 5 - HPAV ALIAS not configured
- 6 - IOPM on BASE failed
- 7 - UCBINFO failed; stg short
- 8 - UCBINFO PAVINFO err
- 9 - UCBINFO HYPERPAVALIASES err
- 10 - HPAV BASE has no HPAV ALIAS

This message is displayed as a non-VERBOSE message for a single base device in the same SSID. Other base devices within the same SSID display this message as a Verbose level 3 message.

Action

Message ESWP420W | CGRS420W | FMMS420W | SCFS420W will be issued indicating that a VARY ccuu, ONLINE, UNCOND will be required to rebind or make alias devices available for the indicated base. ESWP670I | CGRS670I | FMMS670I | SCFS670I and ESPW420W | CGRS420W | FMMS420W | SCFS420W messages with reason 5 - HPAV ALIAS not configured will be issued when there are HyperPav aliases defined in the storage system configuration for the associated LCU, and that for this LCU there are also no aliases (3390A) defined in MVS HCD. If that is the case, this message may be ignored. If the alias devices are still not available following the VARY UNCOND processing, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation including the SYSLOG and job log.

ESWP671E | CGRS671E | FMMS671E | SCFS671E

```
(rrrrr) (PID ppppp) 'TO' device sccuu not accessible: reason
```

Cause

AutoSwap has detected a loss of access to the TO device. Further information as to how the loss was detected is indicated by the reason:

- No-paths (xxxxxxxx,yyyyyyyy) - No-paths was detected during path validation processing. xxxxxxxx and yyyyyyyy are diagnostic codes.
- UCB condition (xxxxxxxx) - The UCB is in an invalid state. xxxxxxxx indicates the state reason codes as documented in message ESWP000E | CGRS000E | FMMS000E | SCFS000E.

AutoSwap cannot continue swap processing without access to the TO device. The current swap will be backed out.

Action

Determine the reason for loss of access to the TO device and retry the swap.

ESWP675I | CGRS675I | FMMS675I | SCFS675I

```
(rrrrr) (PID ppppp) Device sccuu SSID=ssid,DELETE being performed due to mismatching controller IDs.
```

Cause

AutoSwap performs device NED and other z/OS structure verification to ensure that the device SSSCB structures are correct. If a mismatch is detected, AutoSwap invokes the DS QD,SSID=xxxx,DELETE service to ensure that the TO devices are correct after the swap. If a NED mismatch is detected, AutoSwap issues message ESWP675I | CGRS675I | FMMS675I | SCFS675I to indicate that an SSID,DELETE will be performed. Message ESWP675I | CGRS675I | FMMS675I | SCFS675I is generated once for a single device in the SSID.

Action

None.

ESWP677W | CGRS677W | FMMS677W | SCFS677W

```
(rrrrr) (PID ppppp) Device sccuu prior SSID=ssid,DELETE was not successful for mismatching controller IDs.
```

Cause

AutoSwap performs device NED and other z/OS structure verification to ensure that the device SSSCB structures are correct. If a mismatch is detected, AutoSwap invokes the DS QD,SSID=xxxx,DELETE service to ensure that the TO devices are correct after the swap. If a NED mismatch is detected, AutoSwap issues message ESWP675I | CGRS675I | FMMS675I | SCFS675I to indicate that an SSID,DELETE will be performed. Message ESWP675I | CGRS675I | FMMS675I | SCFS675I is generated once for a single device in the SSID. If a subsequent NED mismatch is detected after the SSID,DELETE was issued, AutoSwap issues message ESWP677W | CGRS677W | FMMS677W | SCFS677W.

Action

None.

ESWP680E | CGRS680E | FMMS680E | SCFS680E

```
(rrrrr) (PID ppppp) RDF configuration could not be determined as access device was not located for ctrl# src-symms[/tgt-symms].
```

Cause

During the initial validation of the AutoSwap group, the SRDF configuration (R1-R2 pairing) could not be determined. This is because no access device can be found for the indicated source and, if shown, target storage system serial numbers.

AutoSwap is attempting to use the CSC gatekeeper to access the indicated storage systems. Messages ESWP181E | CGRS181E | FMMS181E | SCFS181E and ESWP541E | CGRS541E | FMMS541E | SCF541E may be displayed to provide additional details about the possible error.

Action

This message may indicate an issue with the CSC gatekeeper. See messages ESWP181E | CGRS181E | FMMS181E | SCFS181E and ESWP541E | CGRS541E | FMMS541E | SCF541E for additional information and suggested actions.

ESWP681I | CGRS681I | FMMS681I | SCFS681I

```
(rrrrr) Active subchannel set now set to tt from cc
```

Cause

The active subchannel set has been changed from *tt* to *cc* as part of the AutoSwap SWAP completion processing.

Action

None.

ESWP683W | CGRS683W | FMMS683W | SCFS683W

```
(rrrrr) Group swapgrp planned SWAP disallowed due to subchannel set configuration issue.
```

Cause

This message is displayed following validation processing where message ESWP614E | CGRS614E | FMMS614E | SCFS614E indicated an issue in the subchannel set configuration.

Action

See message ESWP614E | CGRS614E | FMMS614E | SCFS614E. Message ESWP684I | CGRS684I | FMMS684I | SCFS684I will be displayed on a subsequent VALIDATE if the issue is detected as resolved.

ESWP684I | CGRS684I | FMMS684I | SCFS684I

```
(rrrrr) Group swapgrp planned SWAP now allowed due to resolution of subchannel set configuration issue.
```

Cause

This message is displayed following validation processing where the subchannel set configuration issue was resolved.

Action

None.

ESWP685I | CGRS685I | FMMS685I | SCFS685I

```
(rrrrr) Active subchannel set is c, target subchannel set is t.
```

Cause

This message is displayed following validation processing to indicate the current (*c*) and target (*t*) subchannel sets.

Action

None.

ESWP688E | CGRS688E | FMMS688E | SCFS688E

```
(xxxxx) (PID xxxxx) device  
size xxxxxxxx > xxxxxxxx 'FROM'/'TO' from_device/to_device
```

Cause

During validation processing, AutoSwap has detected an incompatible device size on the FROM device compared to the TO device. The FROM device is larger than the TO device. Swap processing will not be allowed.

Action

DVE may have been used on the FROM device making it now incompatible with the TO device. If this is the case, then the TO device will need to be expanded to the same size prior to AutoSwap allowing the device to be swapped.

If you cannot find the reason for the problem, contact the Dell EMC Customer Support Center.

ESWP689W | CGRS689W | FMMS689W | SCFS689W

```
(rrrrr) (PID ppppp) Partial backout processing initiated  
'FROM'/'TO' from_device/to_device; {Owner  
complete|LostOwnerPolicy}
```

Cause

This message indicates that only partial backout is allowed in case a non-backout LostOwnerPolicy being initiated or when a backout is being performed after group completion has occurred.

Action

None.

ESWP690W | CGRS690W | FMMS690W | SCFS690W

```
(rrrrr) (PID ppppp) TAKEOVERasowner option is not available as  
BACKOUT processing is active.
```

Cause

This message is displayed if a lost owner situation is detected at BACKOUT and LostOwnerPolicy Onswap=Operator was requested. TAKEOVERasowner is not accepted as a valid selection in this circumstance.

Action

None.

ESWP691W | CGRS691W | FMMS691W | SCFS691W

```
(rrrrr) (PID ppppp) IOS recovery reset for DEFERRED BOX'd device  
sccuu.
```

Cause

During the I/O quiesce phase of AutoSwap processing, IOS recovery being performed by the operating system was detected on the indicated device. The device is in a deferred box'd state which indicates that no I/O is currently being processed for the device pending BOX processing.

To allow subsequent UCB swap processing to take place, IOS recovery is reset for the device and will be performed on swap completion.

Action

None.

ESWP692E | CGRS692E | FMMS692E | SCFS692E

```
(xxxxx) (PID xxxxx) Checkpoint xx release prior to processing completion allowed.
```

Cause

The current checkpoint level on a non-owner has been delayed, and was reached, after the AutoSwap owner posted the checkpoint completion. This may have been due to the owner reaching the CrossSystemTimeout value and continuing on without this non-owner. The indicated checkpoint level allows for this particular situation and lets the swap processing to continue. A subsequent ESWP065I | CGRS065I | FMMS065I | SCFS065I message is displayed to indicate the checkpoint success.

Action

None.

ESWP692W | CGRS692W | FMMS692W | SCFS692W

```
(xxxxx) (PID xxxxx) Checkpoint xx release prior to processing completion allowed.
```

Cause

The current checkpoint level on a non-owner has been delayed, and was reached, after the AutoSwap owner posted the checkpoint completion. This may have been due to the owner reaching the CrossSystemTimeout value and continuing on without this non-owner. The indicated checkpoint level allows for this particular situation and lets the swap processing to continue. A subsequent ESWP065I | CGRS065I | FMMS065I | SCFS065I message is displayed to indicate the checkpoint success.

Action

None.

ESWP697W | CGRS697W | FMMS697W | SCFS697W

```
(rrrrr) (PID ppppp) Alias config could not be determined for sccuu, RC/RS/ERS xxxxxxxx/yyyyyyyy/zzzzzzzz.
```

Cause

During PAV alias rebind processing, AutoSwap could not determine the alias configuration for the indicated device due to an I/O failure. RC, RS, and ERS are diagnostic codes. AutoSwap assumes that it needs to bind PAV alias devices and continues processing.

Action

None.

ESWP698A | CGRS698A | FMMS698A | SCFS698A

```
(rrrrr) Reply CHECK, HOLDIO, BACKOUT, SYSRESET, TAKEOVERasowner.
```

Cause

Displayed as an alternate LostOwnerPolicy WTOR to message ESWP485A | CGRS485A | FMMS485A | SCFS485A where the WTOR response was not acceptable. Message ESWP613W | CGRS613W | FMMS613W | SCFS613W may be displayed prior to ESWP698A | CGRS698A | FMMS698A | SCFS698A to indicate the reason for the failure. The CHECK option may be used to request AutoSwap to reverify the conditions externalized by message ESWP613W | CGRS613W | FMMS613W | SCFS613W. WTOR message ESWP485A | CGRS485A | FMMS485A | SCFS485A will be displayed following CHECK if there are no conditions to be externalized by message ESWP613W |

CGRS613W | FMMS613W | SCFS613W. Otherwise ESWP698A | CGRS698A | FMMS698A | SCFS698A will be redisplayed.

Action

See message ESWP485A | CGRS485A | FMMS485A | SCFS485A to determine the appropriate LostOwnerPolicy response.

See message ESWP613W | CGRS613W | FMMS613W | SCFS613W for conditions that would disallow a selected lost owner policy.

ESWP699W | CGRS699W | FMMS699W | SCFS699W

```
(rrrrr) (PID ppppp) Device sccuu RESERVE not transferred: reason
```

Cause

AutoSwap could not complete RESERVE transfer processing for the indicated reason:

- `Held by another` - Another pathgroup (LPAR) is currently holding this RESERVE.
- `Path not grouped` - The current LPAR is currently holding this RESERVE however the paths are not grouped.

For an unplanned swap, processing continues. RESERVE processing is performed at swap completion. For a planned swap, message ESWP246E | CGRS246E | FMMS246E | SCFS246E is issued and backout processing is performed.

This condition could indicate a RESERVE lost condition or a path grouping issue.

Action

Review the job log and SYSLOG for any error conditions. If the reason for the failure cannot be determined, contact Dell EMC Customer Support.

CHAPTER 4

Consistency Groups

CGRH001I

```
mod func r15 r0 r1 time
```

Cause

A work request has completed. The message identifies the module that issued the request and the function code of the request. (This is a normal routine log message that is issued selectively based on current product level and debugging options.)

- *mod* - Issuing module name.
- *func* - Function code of the request:
 - 0001 - Enable all CAX groups
 - 0002 - Enable a group
 - 0003 - Disable all CAX groups
 - 0004 - Issue DOIO call through SCF
 - 0005 - Issue DOIO call locally (within the address space)
 - 0006 - Issue SymmAPI call through SCF
 - 0007 - AutoSwap Validate
 - 0008 - Issue SymmAPI call locally (within the address space)
- *r15* - General register 15 at completion of request.
- *r0* - General register 0 at completion of request.
- *r1* - General register 1 at completion of request.
- *time* - Elapsed time of request in seconds and microseconds.

An asynchronous work pool request has completed. The module that issued request *func* - and displayed this message - is the module named by *mod*.

The work pool is a set of subtasks that act a single asynchronous server for a variety of ConGroup functions. *mod* is a client module that queued the request for asynchronous processing. Eventually, the request was processed by the pool and the client received an interrupt from the pool containing the results.

This message displays the contents of that interrupt. The elapsed time reflects the actual time that the function took after the request was accepted by one of the pool worker tasks. It does not reflect the end-to-end transit time of the request from the client point of view. This message is issued selectively, based on current product level and debugging options.

Not all functions may actually be used.

Action

None.

CGRH217I

```
New Gatekeeper List Acquired from SCF
```

Cause

ConGroup detected a new configuration that required a reacquisition of its gatekeeper list.

Action

None.

CGRP000I

```
Dell EMC ConGroup Vv.r (mm/dd/yy-hh.mm module-ptf) Initializing
```

Cause

This is the initial startup message. It displays the version of ConGroup that is running.

- *mm/dd/yy-hh.mm* - The date, hour, and minute of the build. If there is no PTF, the build date is that of the ConGroup main module. If there is a PTF, the build date is that of the PTF.
- *v.r* - The software version and release level.
- *module* - The name of the ConGroup module, including the version, release, and modification level (for example, SCGP830).
- *ptf* - The full name of the PTF (for example, SC83001). If no maintenance has been applied, the name of the PTF contains multiple zeros.

Action

None.

CGRP001E

```
NO CONGROUPS MATCH THE NAME SPECIFIED
```

Cause

A command was issued that specified a consistency group name. That name was not found among the consistency groups defined in the configuration file.

Action

Reenter the command using a defined consistency group name.

CGRP002E

```
RESUME I/O FOR CONGROUP cgrp FAILED ON CUU ccuu
```

Cause

A RESUME command was issued for the indicated consistency group. The ConGroup task is trying to process the command by issuing an I/O against at least one of the devices in the consistency group. The I/O was attempted on the indicated device and failed, so the ConGroup task attempts the I/O on the next device in the consistency group. Specific details of the error are found in message CGRP003E.

Action

No immediate action is necessary. Look further for either message CGRP005E or CGRP006I.

CGRP003E

```
R15=ddssnnnn SYSRC=17rcrs
```

Cause

This message provides additional information about the error message issued immediately before it.

- *dd* - The device status.
- *ss* - The subchannel status
- *nnnn* - The first two bytes of data from I/O:
 - 1 - Not all devices errored out
 - 2 - All devices errored out
 - 3 - No SRDF groups are online

- 4 - All local mirrors have invalid tracks
- 5 - All local mirrors are not ready
- *rcrs* - The response from the failed SYSCALL. A typical SYSRC would be 1702, which means that a ENABLE failed due to a bad device list. This generally means that the object is not an R1 device. Another SYSRC would be 1723, which means that a RESUME was issued for a consistency group, but there are no links online between the source (R1) and target (R2) devices.

Action
None.

CGRP004E

```
RESUME FAILED FOR CONGROUP cgrp CTLR=symmserial
```

Cause

A RESUME was attempted using all the devices on the indicated storage system for the indicated consistency group, and all the attempts failed.

Action

Some action will be necessary depending on the nature of the problem. For more details, see the accompanying message, CGRP003E. The most likely problem is that an SRDF link needs to be varied online.

CGRP005E

```
RESUME PROCESSING FOR CONGROUP cgrp IS INCOMPLETE
```

Cause

Accompanied by other error messages, this message warns that the indicated consistency group could not be resumed. The devices in the consistency group remain in suspended state.

Action

None.

CGRP006I

```
RESUME STARTED FOR CONGROUP cgrp CTLR=symmserial
```

Cause

A RESUME command was issued for the indicated consistency group and the RESUME was started for the indicated storage system. Note that RESUME processing continues on other storage systems in the consistency group and the RESUME should not be deemed successful until message CGRP007I is issued; that is, the RESUME was successful on all storage systems in the consistency group.

Action

None.

CGRP007I

```
RESUME PROCESSING COMPLETED FOR CONGROUP cgrp
```

Cause

A RESUME command was issued for the indicated consistency group. The RESUME was successful.

Action

None.

CGRP008E

PARM ERROR - NO PARMS

Cause

A command was issued that required one or more parameters. No parameters were entered.

Action

Re-enter the command with the proper parameters. Use the HELP command for assistance.

CGRP009E

PARM ERROR - PARM TOO LONG

Cause

A command was issued with a parameter that exceeded 16 characters.

Action

Re-enter the command with the proper syntax. Use the HELP command for assistance.

CGRP010E

INVALID COMMAND

Cause

A command was issued that is not a valid consistency group command.

Action

Re-enter the correct command with the proper syntax. Use the HELP command for assistance.

CGRP011E

CLOCKN not at least twice SCF.CSC.IDLEPOLL value

Cause

ConGroup uses CSC to communicate with copies of itself in other LPARs. It uses the CLOCKN parameter to specify a repeating globalsyncpoint interval size that all ConGroups use to help coordinate their activities. To ensure reliable communication, the CLOCKN value (after dividing by 100) should not be less than twice the value specified in the CSC parameter SCF.CSC.IDLEPOLL.

Action

Correct the CLOCKN and (or) SCF.CSC.IDLEPOLL value(s) and restart ConGroup and (or) CSC.

CGRP012I

text. Stop Ignored.

Cause

ConGroup detected the indicated condition when a subsequent Stop command was attempted. The Stop command is ignored.

Action

None.

CGRP013E

```
SCF communication lost - retrying connection
```

Cause

ConGroup identified that an SCF has stopped running. ConGroup will attempt to reconnect to SCF on a periodic basis until normal communication is reestablished. Message CGRP020I is issued when communication is properly resumed.

Action

Restart SCF as soon as possible.

CGRP014E

```
INVALID DISPLAY COMMAND=>
```

Cause

A DISPLAY command was issued, but the subcommand was invalid.

Action

Re-enter the DISPLAY command with the proper subcommand.

CGRP015E

```
CONGROUP NAME cgrp NOT FOUND
```

Cause

A command was issued that entered *cgrp* as a consistency group name, but that consistency group name was not defined in the configuration file.

Action

Check to make sure you are using the right consistency group name.

CGRP016E

```
FATAL ERROR IN EMC CONGROUP EOS EXIT
```

Cause

An error has occurred in the Dell EMC end-of-sense exit and processing has terminated.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP017E

```
LISTENER SUBTASK FOR CONGROUP cgrp HAS ABENDED
```

Cause

An error has occurred in the listener subtask for the indicated consistency group.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP018E

CGRPMAIN HAS DETECTED AN ABEND IN CONGROUP SUBTASK *cngrp*

Cause

An error has occurred in the ConGroup task for the indicated consistency group.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP019E

CONGROUP MAIN TASK HAS ABENDED

Cause

An error has occurred in the ConGroup main program.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP020I

Established communications with SCF

Cause

ConGroup has connected or reconnected to SCF.

Action

None.

CGRP021E

CGRPMAIN HAS DETECTED AN ABEND IN THE {COMM|WTO|CGCK} SUBTASK

Cause

The ConGroup task has detected an abend in one of its subtasks.

COMM is the communication subtask, WTO is the write-to-operator subtask, CGCK is the auto-verify subtask. ConGroup attempts to restart the subtask that abended.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP022I

RESUME IS VERIFYING DEVICES FOR CONGROUP *cngrp*

Cause

After a RESUME command is issued, the ConGroup task periodically checks the devices in the consistency group to see when the RESUME is complete. The RESUME is not complete until message CGRP007I is issued.

Action

None.

CGRP023E

ERROR - CONTROLLER WITHOUT RDF-ECA SUPPORT DETECTED

Cause

A consistency group that was being enabled included a storage system that was below Engenuity 5671 with patch 27474 applied.

Action

Contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP024E

RESUME SUBTASK FOR CONGROUP *cngroup* HAS ABENDED

Cause

A RESUME was in process for the indicated consistency group and the RESUME task abnormally terminated. While not fatal to the ConGroup task, notification of the RESUME operation completing does not occur (message CGRP007I).

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP025E

ATTACH FAILED FOR CONGROUP RESUME SUBTASK

Cause

A RESUME command failed because the RESUME subtask has abnormally terminated.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP026I

RESUME IS ALREADY ACTIVE FOR CONGROUP *cngroup*

Cause

A RESUME command was issued for the indicated consistency group while the consistency group was already in RESUME mode.

Action

None.

CGRP027E

REMOTE SPLIT REQUEST FOR CONGROUP *cngroup* DENIED

Cause

A REMSPLIT command was issued, but was unable to be processed.

Action

One of several possible additional messages will be issued explaining the reason. Review the additional message and take the appropriate action.

CGRP028E

```
CONGROUP cgrp IS ACTIVE
```

Cause

A REMSPLIT command was issued, but was unable to be processed because the consistency group is not in a suspended state.

Action

None.

CGRP029E

```
CONGROUP cgrp IS NOT ENABLED
```

Cause

A REMSPLIT command cannot be issued for a consistency group that is not enabled.

Action

The consistency group must be enabled for a REMSPLIT. Follow the instructions in the *Consistency Groups for z/OS Product Guide*.

CGRP030E

```
CONGROUP cgrp HAS A RESUME IN PROCESS
```

Cause

A REMSPLIT, DISABLE, ENABLE, or RESET command cannot be issued for a consistency group that has a RESUME in process.

Action

The consistency group must be in the proper state for a REMSPLIT, DISABLE, ENABLE, or RESET. Follow the instructions in the *Consistency Groups for z/OS Product Guide*.

CGRP031E

```
CONGROUP cgrp HAS A REMOTE SPLIT IN PROCESS
```

Cause

A REMSPLIT command cannot be issued for a consistency group with a remote split already in process.

Action

The consistency group must be in the proper state for a REMSPLIT, as described in the *Consistency Groups for z/OS Product Guide*.

CGRP032E

```
ATTACH FAILED FOR CONGROUP REMSPLIT SUBTASK
```

Cause

Internal error.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all

relevant job documentation available.

CGRP033E

```
REMSPLIT SUBTASK FOR CONGROUP cgrp HAS ABENDED
```

Cause

Internal error.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP034E

```
REMSPLIT PROCESSING FOR CONGROUP cgrp IS INCOMPLETE
```

Cause

The REMSPLIT command was not successfully processed for the indicated consistency group.

Action

See previous messages for details about why the REMSPLIT command failed.

CGRP035E

```
cgrp symmserial volser r1srdfgrp r2stdsyndv# r2bcvsyndv#
```

Cause

This message immediately follows message CGRP037E and provides details about the error.

- *volser* - Volser of the source (R1) device.
- *srdfgrp* - SRDF group of the source (R1) device.
- *r2stdsyndv#* - PowerMax or VMAX device number of the target (R2) standard device.
- *r2bcvsyndv#* - PowerMax or VMAX device number of the target (R2) BCV device.

Action

See message CGRP037E for the reason for the error.

CGRP036E

```
BCVSPLIT CALL FAILED FOR CUU=ccuu
```

Cause

A REMSPLIT command was issued and subsequently failed when a remote BCV query request was issued.

Action

See message CGRP037E for the reason for the error.

CGRP037E

```
R15=rrrrrrrr EMCRC/EMCRS=ccccssss
```

Cause

A command issued to a storage system failed.

One of the following reason codes (ssss) may appear in a CGRP037E message after a CGRP035E or CGRP036E message:

- 01 - The standard device does not exist.
- 02 - The standard device is a BCV device.
- 03 - The standard device does not have an active BCV mirror.
- 05 - The BCV device is not the device which initiated the establish command (pertains to mainframes only).
- 06 - The BCV device is not a BCV device.
- 0A - The flag byte value is invalid.
- 0D - The standard device mirror are not in a ready state and the split would leave the standard device with no available mirrors.
- 10 - Poll later for the end of BCV status, as the timeout on the command was reached. This error code is not an error in the true sense, as the split a BCV pair process still continues in the background. Since the timeout was reached, the host needs to later check that the split process was completed.
- 11 - Re-issue the split command at a later time because the standard device is busy.
- 15 - The standard device has open concurrent copy sessions.
- 19 - The standard device is an SRDF R2 device and the R1 local mirrors are not ready or are WRITE DISABLED.
- 21 - The standard and BCV devices do not comprise a BCV pair.
- 22 - The system does not have enough resources with which to execute the split process. Try again later.
- 23 - The BCV mirror is not fully synchronized with the standard device mirror(s).
- 26 - SDDF is not enabled, so a differential split cannot be performed.
- 30 - Illegal TimeFinder command.
- 31 - Code upgrade in progress.
- 34 - GST queue full: re-issue command later.
- 35 - BCV has File_SMMF.
- 36 - The standard device would be left with invalid tracks.
- 37 - A reverse split was requested on a device with only one mirror.

Action

For RC=00000018, determine the cause of the error using the reason code and take the appropriate action. For all other return codes, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and any other relevant job documentation.

CGRP038E

```
VERIFY PROCESSING FAILED FOR CONGROUP cngrp
```

Cause

The verify processing for the indicated consistency group failed.

Action

See the previous message for the reason why the verify processing failed.

CGRP039E

VALID OPERANDS FOR CANCEL ARE: SUSPEND, REMSPLIT, RESUME

Cause

A CANCEL command was issued with an unrecognized operand. Valid operands are SUSPEND, REMSPLIT, and RESUME.

Action

Retry the CANCEL command with a valid operand.

CGRP040I

No HYPPRINT DD - data will be written to SCFTRACE file

Cause

There was no HYPPRINT DD statement provided in the JCL to run ConGroup. All records that would have been written to that DD will now be written to the SCFTRACE dataset.

Action

If necessary, provide the proper HYPPRINT DD and restart ConGroup.

CGRP041I

RESUME IS NOT NECESSARY FOR CONGROUP *cngrp*

Cause

A RESUME command was issued for a consistency group that does not need a resume.

Action

None.

CGRP042E

RESUME REQUEST FOR CONGROUP *cngrp* DENIED

Cause

A RESUME command was issued, but was unable to be processed.

Action

An additional message is issued explaining the reason. Review that message and take the appropriate action.

CGRP043E

REFRESH IS IN PROGRESS

Cause

A command was issued, but cannot be processed because a REFRESH is currently being processed.

Action

Wait for the REFRESH processing to complete, issue the command again, if appropriate.

CGRP044E

CONGROUP *cngrp* HAS A SUSPEND PENDING

Cause

The command was issued for the consistency group, but cannot be processed because the consistency group is about to be suspended.

Action

Wait for the suspend processing to complete. Then, if appropriate, issue the command

again.

CGRP045E

```
REFRESH IS PENDING
```

Cause

A command was issued, but cannot be processed because the REFRESH processing is pending execution.

Action

Wait for the REFRESH processing to complete. Then, if appropriate, issue the command again.

CGRP046W

```
CONGROUP cngrp HAS A RESUME ALREADY IN PROGRESS
```

Cause

A RESUME command was issued for the consistency group, but cannot be processed because the consistency group is currently being resumed.

Action

None.

CGRP047W

```
CONGROUP cngrp HAS A REMOTE SPLIT ALREADY IN PROGRESS
```

Cause

A REMSPLIT command was issued for the consistency group, but cannot be processed because the consistency group is currently processing a remote split.

Action

None.

CGRP048W

```
CONGROUP cngrp HAS A SUSPEND ALREADY IN PROGRESS
```

Cause

A suspend was issued for the consistency group, but cannot be processed because the consistency group is currently being suspended.

Action

None.

CGRP049E

```
TERMINATING - PROGRAM IS NOT APF AUTHORIZED.
```

Cause

The ConGroup address space was started, but the load library was not authorized.

Action

APF authorize the ConGroup load library and restart the ConGroup address space.

CGRP050I

```
SUBTASK FOR CONGROUP cngrp IS ACTIVE
```

Cause

The ConGroup task has attached the listener subtask for the consistency group.

Action

None.

CGRP051I

```
CGROUP cnggrp POSTED - TRIPPED ON CUU ccuu
```

Cause

The ConGroup listener subtask has been posted to process a work request. A failure to write to the R2 device for the indicated CUU was detected. The consistency group is being suspended.

Action

None.

CGRP052E

```
SUSPEND I/O FOR CONGROUP cnggrp FAILED ON CUU ccuu
```

Cause

The number of device ranges allowed in a syscall was exceeded, but not flagged as an error. ConGroup currently uses a single syscall to suspend a group. This syscall is built at startup or refresh time, and was built with more ranges than allowed by the operating environment. ConGroup fails the syscall build if more than 512 device ranges are attempted. A new message is now issued if this situation arises.

Action

No immediate action is necessary. Look for message CGRP056I or CGRP216E.

CGRP053E

```
CGRP053E RESET REQUEST FOR CONGROUP cnggrp DENIED
```

Cause

Another action is being performed against this consistency group. Reset cannot be performed at this time.

Action

Attempt reset at a later time.

CGRP054E

```
SUSPEND FAILED FOR CONGROUP cnggrp CTLR=symmserial
```

Cause

SUSPEND was attempted using all the devices on the storage system for the consistency group, and all the attempts failed. Because the SUSPEND failed and I/O was resumed to the source (R1) devices, the consistency of data on the target (R2) devices is unreliable.

Action

None.

CGRP055I

```
SUSPEND SUCCESSFUL FOR CONGROUP cnggrp CTLR=symmserial
```

Cause

SUSPEND was issued for the consistency group and the SUSPEND was successful for the

storage system. Note that SUSPEND processing continues on other storage systems in the consistency group. The SUSPEND should not be considered successful until message CGRP056I is issued; that is, the SUSPEND was successful on all storage systems in the consistency group.

Action

None.

CGRP056I

```
SUSPEND PROCESSING SUCCESSFUL FOR CONGROUP cgrp
```

Cause

SUSPEND was issued for the consistency group and the SUSPEND was successful.

Action

None.

CGRP057I

```
SUBTASK FOR CONGROUP cgrp SHUTTING DOWN
```

Cause

A shutdown has been requested and the consistency group listener subtask for the consistency group has acknowledged the shutdown.

Action

None.

CGRP058E

```
CONGROUP cgrp IS BEING VERIFIED
```

Cause

The request cannot be processed at this time because the consistency group is having its devices verified.

Action

None.

CGRP059E

```
VERIFY FOR CONGROUP cgrp DENIED.
```

Cause

The VERIFY command request cannot be processed at this time because another command is being processed by the consistency group.

Action

None.

CGRP060E

```
AUTO VERIFY FOR CONGROUP cgrp FAILED
```

Cause

The auto-verify logic has detected a device in an unexpected state.

Action

See the preceding messages for a description of the devices in error.

CGRP061E

A CONGROUP NAME MUST BE SUPPLIED

Cause

An operator command was issued, but no consistency group name was supplied for the command to act upon.

Action

Reissue the operator command, and specify the name of the consistency group to be processed.

CGRP062I

CANCEL {RESUME|SUSPEND|REMSPLIT} ISSUED TO ALL CONGROUPS

Cause

A CANCEL RESUME, CANCEL SUSPEND, or CANCEL REMSPLIT operator command was issued without an accompanying consistency group name. A CANCEL command was issued to all consistency groups that would have been affected by the command.

Action

None.

CGRP063E

REMSPLIT FOR CONGROUP *cngroup* WAS CANCELLED BECAUSE OF A TRIP

Cause

During the REMSPLIT processing for the consistency group, a trip event was detected. The consistency group was suspended. The REMSPLIT processing was aborted.

Action

None.

CGRP064E

RESUME FOR CONGROUP *cngroup* WAS CANCELLED BECAUSE OF A TRIP

Cause

During the RESUME processing for the consistency group, a trip event was detected. The consistency group was suspended. The RESUME processing was aborted.

Action

None.

CGRP065W

THERE ARE NO DEVICES TO MONITOR FOR CONGROUP *cngroup*.

Cause

The consistency group was defined, but no devices were found to monitor for a trip event.

Action

The ConGroup application continues monitoring the devices defined in other consistency groups. Also, if the auto refresh processing is active, the application watches for devices defined in the consistency group to become available.

CGRP066E

CONGROUP *cngrp* STATE BEING RESET

Cause

A reset was attempted against an R1_RO consistency group.

Action

None.

CGRP068E

PARM ERROR - NO PARMS

Cause

Internal error.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center.

CGRP069E

PARM ERROR - PARM TOO LONG

Cause

Internal error.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center.

CGRP070E

SUSPEND PROCESSING FAILED FOR CONGROUP *cngrp*

Cause

ConGroup's attempt to suspend the consistency group failed. The preceding error messages provide more information about the error.

This is a serious error. Because the SUSPEND failed and I/O was resumed to the source (R1) devices, the consistency of data on the target (R2) devices is unreliable.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP071I

SUSPEND IN PROGRESS FOR CONGROUP *cngrp*

Cause

A suspend request is being processed for the consistency group.

Action

None.

CGRP072E

CTLR MIN LVL 71 PATCH 27474 REQD FOR RDF-ECA SUPPORT, *cngrp*

Cause

The consistency group that was being enabled included a storage system that was below Engenuity 5671 with patch 27474 applied.

Action

Install the minimum operating environment level and patch in order to run RDF-ECA.

CGRP073E

```
THE SUSPEND RETRY TIME LIMIT HAS BEEN EXCEEDED
```

Cause

A suspend process was active for a consistency group, and the time specified in the SUSPEND_RETRY_TIMEOUT parameter was exceeded, thereby failing the suspend process. This message is preceded by message CGRP070E. The group is prevented from further trips pending operator action.

Action

The remote data is not consistent since the suspend process could not complete normally. The consistency group may only be partially suspended, so a RESUME may need to be done. After you do a RESUME, you must issue a RESET command for the consistency group to reenabling trip processing for the group. This enabling is distinct from normal ENABLE status. Normal ENABLE status means that all devices in the group have the operating environment-level consistency group feature turned on. The reenabling for trip processing through the RESET command applies only to previously failed suspends that have timed out.

CGRP074E

```
THE SUSPEND WAS CANCELLED BY THE OPERATOR
```

Cause

An operator manually cancelled an active suspend process for a consistency group. The suspend process thereby failed. This message is preceded by message CGRP070E. The remote data is not consistent since the suspend process could not complete normally.

Action

The consistency group may only be partially suspended, so a RESUME may need to be done.

CGRP075W

```
CONGROUP cngrp RECEIVED AN ERROR WHILE SUSPENDING
```

Cause

A suspend process was active for a consistency group, and it encountered an error. The consistency group was configured with SUSPEND_FAILURE=WTOR and this message is the beginning of the WTOR sequence.

Action

Watch for message CGRP071I to follow.

CGRP076I

```
CONGROUP cngrp REPLY "R" TO RETRY OR "C" TO CANCEL
```

Cause

An active suspend process for a consistency group encountered an error. The consistency group was configured with SUSPEND_FAILURE=WTOR and an operator must reply to this message. I/O to the devices in the consistency group is halted until a proper response is

issued to this WTOR.

Action

The description of SUSPEND_FAILURE in the *Consistency Groups for z/OS Product Guide* provides further details about the proper responses.

CGRP077E

```
THE SUSPEND WAS ABORTED BECAUSE A REFRESH IS IN PROGRESS
```

Cause

A suspension of a consistency group could not be processed because a REFRESH is in progress.

Action

None. See the associated message for information on which consistency group was being processed.

CGRP078I

```
SUSPEND OF CONGROUP cngrp DELAYED BY ANOTHER COMMAND
```

Cause

A suspend of the consistency group could not occur immediately because a RESUME or a REMSPLIT command is being processed for the consistency group. The suspend is processed when the current command completes processing.

Action

None.

CGRP079E

```
THE SUSPEND WAS ABORTED BECAUSE A REFRESH IS PENDING
```

Cause

A suspend of a consistency group could not be processed because the REFRESH processing is pending execution.

Action

None. See the associated message for information about which consistency group is being processed.

CGRP080E

```
ERROR - ACTIVE SERVICE TASK DETECTED.
```

Cause

Internal error.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP081E

```
REMSPLIT NOT SUPPORTED FOR CONGROUP cngrp.
```

Cause

A REMSPLIT was requested for a non-Dell EMC consistency group.

Action

None.

CGRP082E

```
RESUME NOT SUPPORTED FOR CONGROUP cnggrp.
```

Cause

A RESUME was requested for a non-Dell EMC consistency group.

Action

None.

CGRP083E

```
TRIP NOT SUPPORTED FOR CONGROUP cnggrp
```

Cause

A trip was attempted on an older IOSLEVEL consistency group. Trips are not supported on IOSEVEL consistency groups.

Action

None.

CGRP084E

```
BCVQUERY FAILED FOR RAGROUP=srdfgrp, UCB=yyyyyyyyy, RU=uu
```

Cause

The BCV information could not be acquired for the indicated SRDF group. The RU field specifies the last two digits of the operating environment level on the target storage system.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP085E

```
OWNERID required if MODE=MULTI
```

Cause

You specified MODE=MULTI in the GLOBAL statement but did not specify an OWNERID. ConGroup initialization is terminated.

Action

Specify the OWNERID and restart ConGroup. When Mode=Multi is specified, GLOBAL OWNER specification is mandatory because RDF-ECA management functions are only carried out on a designated owner LPAR.

CGRP086E

```
CAX not started - DAS command invalid.
```

Cause

A ConGroup DAS command was entered to pass a command to AutoSwap, but it was not enabled.

Action

Verify the CAX statement was properly specified in the input and that there is a valid LFC for AutoSwap.

CGRP087E

```
BCVQUERY FAILED FOR UCB=xxxxxxxx
```

Cause

An error was encountered while attempting to gather BCV information using UCB xxxxxxxx.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP088I

```
BCV (syndv#) FOR STD CUU ccuu HAS BEEN ESTABLISHED/SYNCD
```

Cause

While processing the DEVICE_LIST_STD configuration parameter, the indicated BCV device has been found to be established/synchronized to the indicated CUU. This message is issued at initialization for any DEVICE_LIST_STD device that has a BCV currently attached. The message is also issued during REFRESH, VERIFY, and RESUME processing when a new BCV device is found to be established/synchronized to a device defined by the DEVICE_LIST_STD startup parameter.

Action

None.

CGRP089I

```
BCV (syndv#) FOR STD CUU (ccuu) IS NOT ESTABLISHED/SYNCHRONIZED
```

Cause

During VERIFY or RESUME processing, the indicated BCV device was found to be no longer established and synchronized to the indicated CUU.

Action

This could indicate that the BCV was split by another application while it was being managed by ConGroup. Determine if this is expected and take the appropriate action.

CGRP090E

```
VERIFY FOR DEVICES HAS DETECTED ERRORS.
```

Cause

The device verification processing has detected errors that prevent a consistency group from being enabled and resumed.

Action

Look at the preceding messages to find the device in error and take the appropriate action.

CGRP091E

```
DOMINO LINKS ACTIVE ON CONTROLLER symmserial
```

Cause

While processing the configuration parameters, a version of ConGroup discovered that the indicated storage system had the Domino Links option active.

Action

Either remove all the devices on the storage system from the configuration file, or disable the domino links support for the storage system.

CGRP092E

```
DOMINO IS ACTIVE FOR {CUU ccuu|DEV# syndv#}
```

Cause

A ConGroup version has discovered the Domino indicator set for either the CUU or the PowerMax or VMAX device number. Display of the CUU or DEV# keywords depends on whether the device was defined using the z/OS CUU or the PowerMax or VMAX device number.

Action

Remove Domino support from the device.

CGRP093E

```
ENABLE REQUEST FOR CONGROUP cgrp DENIED
```

Cause

The ENABLE request for the consistency group could not be processed.

Action

See the preceding message to determine why the ENABLE request could not be processed.

CGRP094E

```
CONGROUP cgrp IS SUSPENDED
```

Cause

The consistency group is currently in a suspended state. This is a descriptive message for the following message.

Action

See the following message for a description of what action has failed.

CGRP095E

```
DISABLE REQUEST FOR CONGROUP cgrp DENIED
```

Cause

The request to disable the consistency group could not be honored.

Action

See the preceding message for a description of the reason why the request cannot be honored.

CGRP096E

```
INVALID TRACK INFO NEEDS TO BE EXCHANGED FOR  
{CUU ccuu|DEV# syndv#}
```

Cause

The indicated CUU or PowerMax or VMAX device number was discovered to require

resynchronization before a resume can be performed. Display of the CUU or DEV# keywords depends on whether the device was defined using the z/OS CUU or the PowerMax or VMAX device number.

Action

Consult the *SRDF Host Component for z/OS Product Guide* for a description of the resynchronization procedure.

CGRP097E

```
security-failure-rsn  
AUTHREQ=authorization_level, CL=saf_class, RES=saf_resource_name  
R15=racroute_return_code, RC=racf_return_code,  
RS=racf_reason_code, SRC=saf_return_code, SRS=saf_reason_code
```

Cause

The user is not authorized to issue the operator command.

- *security-failure-rsn* - A general text reason for the security failure.
- *AUTHREQ=authorization_level* - The requested authorization level.
- *CL=saf_class* - The SAF class.
- *RES=saf_resource_name* - The SAF resource name.
- *R15=racroute_return_code* - The return code of the execution of the SAF macro RACROUTE.
- *RC=racf_return_code* - RACF return code (ESRBRRET).
- *RS=racf_reason_code* - RACF reason code (ESRBRREA).
- *SRC=saf_return_code* - SAF return code (ESRBSRET).
- *SRS=saf_reason_code* - SAF reason code (ESRBSREA).

Action

If necessary, have your security administrator correct the security rules and reissue the command.

CGRP098E

```
INVALID VALUE FOR VERIFY_INTERVAL => value
```

Cause

value is not a valid value for the VERIFY_INTERVAL startup parameter.

Action

Correct the value specified for the VERIFY_INTERVAL parameter in the configuration file.

CGRP099E

```
INVALID VALUE FOR DISABLE_AT_VERIFY_ERROR => value
```

Cause

value is not a valid value for the DISABLE_AT_VERIFY_ERROR parameter.

Action

Correct the value specified for the DISABLE_AT_VERIFY_ERROR parameter in the configuration file.

CGRP100E

```
Another CG address space with the same CGSET number is running on  
this LPAR. Initialization terminated.
```

Cause

A start request was issued for CGRPMAIN when another copy of CGRPMAIN with the same CGSET number was already running on the LPAR. The task ends.

Action

Use a different CGSET number in configuration parameters in the same LPAR and retry.

CGRP101E

```
ATTACH FAILED FOR CONGROUP CGCK SUBTASK
```

Cause

A ConGroup CGCK task initialization failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP102E

```
ENQUEUE on CGSET Number FAILED
```

Cause

Another ConGroup address space is running on this LPAR.

Action

Change your CGSET number to an unused number and retry.

CGRP103E

```
ATTACH FAILED FOR CONGROUP cgrp SUBTASK
```

Cause

A consistency group defined in the configuration file is being initialized and the ConGroup task failed to attach a subtask on its behalf.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP104I

```
EOS EXITS ARE INSTALLED
```

Cause

ConGroup task initialization has successfully installed the Dell EMC end-of-sense exit.

Action

None.

CGRP105E

```
GETMAIN ERROR FOR EOS BLOCK
```

Cause

Internal error.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP106E

```
SCANUCB FAILED FOR CUU ccuu
```

Cause

ConGroup task initialization was processing device *ccuu* and encountered a failure.

Action

Check with your systems programmer to make sure that device *ccuu* is a device defined on z/OS.

CGRP107I

```
CONGROUP TERMINATING
```

Cause

An operator has requested that the ConGroup task be shutdown and shutdown has started.

Action

None.

CGRP108I

```
CGRPMAIN POSTING SUBTASKS TO SHUT DOWN
```

Cause

An operator has requested that the ConGroup task be shutdown and the ConGroup task is informing the consistency group subtasks to shutdown.

Action

None.

CGRP109I

```
CGRPMAIN CLEANING UP OLD ENVIRONMENT
```

Cause

During ConGroup task initialization, startup noticed that there were remnants of an old ConGroup environment remaining from a previous running of the ConGroup task that most likely terminated abnormally.

Action

None.

CGRP110I

```
CONGROUP cgrp STATE HAS BEEN RESET
```

Cause

The state of the consistency group has been reset in ConGroup's internal tables.

Action

None.

CGRP111E

```
CGRP111E CONGROUP cnggrp RESET STATE FAILED. RC=*
```

Cause

This message can be issued from within DISPLAY CGROUP processing or RESET Congroup processing. In both processing areas, a call is made to a routine (CGRPUTIL) to ascertain the state of the consistency group by querying every device in the consistency group and aggregating the results to form a composite consistency group state. If the call to CGRPUTIL fails, the return code and reason code is returned and displayed with CGRP111E:

- RC=0, RS=0 - No error. Message is not displayed.
- RC=12, RS=3 - ERROR. Invalid parameters passed. This is an internal error.
- RC=12, RS=4 - ERROR. A call to get an individual device status failed. This means that the device was swapped and that the UCBLook system macro call failed within CGPSWAPC.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP112I

```
MIH=xxx
```

Cause

At startup, ConGroup displays the MIH value of the first DASD device on the system.

Action

None.

CGRP113E

```
OPEN FOR CONFIG FILE FAILED
```

Cause

During ConGroup task initialization, an attempt was made to open the CONFIG DD file and the open failed.

Action

Check the JCL to see that the CONFIG DD card is defined and that the dataset is a card-image file.

CGRP114W

```
AUTO_REFRESH IS DISABLED
```

Cause

This is a warning that the configuration file specified AUTO_REFRESH=OFF.

Action

None.

CGRP115E

```
CUU= WAS NOT SPECIFIED IN SYMM_DEV# STATEMENT
```

Cause

A SYMM_DEV# command statement did not contain the required CUU keyword that specifies the gatekeeper z/OS CUU for the given PowerMax or VMAX device numbers.

Action

See the description of SYMM_DEV# in the *Consistency Groups for z/OS Product Guide* and correct the statement in error.

CGRP116I

```
HYPPRINT is Full - Now writing to SCFTRACE
```

Cause

All extents have been exhausted for the dataset defined by the HYPPRINT DD statement. All subsequent records will be redirected to the SCFTRACE dataset. An informational IEC030I message will have been issued by the operating system indicating the type of EOV error (e.g., B37, D37, etc.)

Action

If necessary, provide a larger HYPPRINT dataset allocation (or simply omit the HYPPRINT and use SCFTRACE exclusively) and restart.

CGRP117E

```
Stmt must follow a CONGROUP definition
```

Cause

While processing the configuration file, devices were defined but there was no previous CONGROUP statement defining the name of the consistency group that the devices belonged to.

Action

Add a CONGROUP statement before the device definitions to give the group of devices a consistency group name.

CGRP118E

```
INVALID PARAMETER VALUE=> value
```

Cause

An invalid value was specified when defining a device.

Action

Correct the parameter value in the configuration file.

CGRP119E

```
INVALID SYNTAX => syntax
```

Cause

While processing the configuration file, the syntax was found to be invalid.

Action

Edit the configuration file and correct the problem. Look for missing commas, periods, invalid keywords, and so forth.

CGRP120E

```
ccuu-ccuu IS AN INVALID CUU RANGE
```

Cause

A device range was defined in the configuration file and the starting CUU is larger numerically than the ending CUU.

Action

Correct the device range so that the numbers specify numbers from smallest to largest.

CGRP121E

```
INVALID KEYWORD => xxxxxxxxxxxxxxxxxxxx
```

Cause

While processing the configuration file, the characters xxxxxxxxxxxxxxxxxxx were found where a keyword was expected.

Action

Correct the statement so that a valid keyword is specified.

CGRP122E

```
OLD CSA STG AT aaaaaaa HAS AN INVALID HDR - NOT FREED
```

Cause

Preceded by message CGRP109I, the ConGroup task found that the CSA storage had invalid header information, so the storage was not freed. This is caused when a newer version of ConGroup cannot clean up after a shutdown of an older version of ConGroup.

Action

Call your Dell EMC representative for assistance in doing a cleanup.

CGRP123E

```
SMS REQUEST FOR SMS GROUP smsgrp FAILED TO OBTAIN VOLRSERS
```

Cause

While processing the configuration file, an SMS_GROUP statement was encountered and the ConGroup task attempted to obtain the volsers of the devices in the indicated SMS group. The request failed for the reason specified in the accompanying message CGRP124E.

Action

The most likely reason is that the indicated SMS group is not defined.

CGRP124E

```
R15=rrrrrrrr SMSRC=cccccccc SMSRS=ssssssss
```

Cause

Preceded by message CGRP123E, this message contains the reason for the error.

Action

None.

CGRP125E

```
CONFIGURATION FILE CONTAINS ERRORS
```

Cause

The ConGroup task encountered errors while processing the configuration file.

Action

Look for previous messages to determine the nature of the error.

CGRP126E

```
INVALID PARAMETER AT xxxxxxxxxxxxxxxxx
```

Cause

While processing the configuration file, the ConGroup task encountered a parameter whose length exceeded 16 characters. The first 16 bytes of the parameter are displayed as xxxxxxxxxxxxxxxxx.

Action

Correct the parameter.

CGRP127W

```
CUU sccuu (symmserial) IS AN R2 DEVICE
```

Cause

A locally attached R2 was encountered during startup or refresh. The group containing the device is bypassed. The identified R2 device is on the indicated storage system.

Action

Correct as necessary and restart.

CGRP128E

```
(CUU ccuu|DEV# symdv#) IS NOT AN R1 DEVICE
```

Cause

The configuration file specified a device that was not a source (R1) device. CUU or DEV# is shown depending on whether the device was defined as a z/OS device or as a PowerMax or VMAX device number.

Action

None.

CGRP129E

```
SORTCORE FAILED FOR CONGROUP=cngrp CTLR=symmserial
```

Cause

Internal error. This message is followed by message CGRP130E.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP130E

```
RC=rrrrrrrr
```

Cause

This message accompanies message CGRP129E. Internal error.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP131E

```
THERE MUST BE AT LEAST ONE CONGROUP DEFINED
```

Cause

The configuration file contained no consistency groups; that is, there were no valid CONGROUP statements.

Action

Change the configuration file so that it contains at least one CONGROUP statement.

CGRP132E

```
GETMAIN FOR CSA STG FAILED
```

Cause

Not enough common storage (CSA or ECSA) was available.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP133W

```
THERE ARE NO DEVICES DEFINED FOR CONGROUP cngroup
```

Cause

While processing the configuration file, the indicated consistency group was defined, but there were no devices defined that belong to that consistency group.

A consistency group with no devices defined is skipped and is not displayed with the DISPLAY command. However, if AUTO_REFRESH is enabled and the consistency group definition contains an SMS group or a volser mask, devices that get varied online and belong to the specified SMS group or match the volser mask are automatically included into the consistency group. After a device is added to the consistency group, the consistency group can be displayed with the DISPLAY command.

Action

Define at least one device for the consistency group.

CGRP134E

```
SAI FC01 CALL FAILED FOR CUU=ccuu
```

Cause

A Dell EMC SAI call was issued to device ccuu and it failed. Details of the error follow in message CGRP271E.

Action

None.

CGRP135E

```
message-text
```

Cause

This message is caused by an error in a prior SYSCALL as indicated by a CGRP003E message directly before this message. It contains an explanation of codes displayed.

Action

Some action may be necessary based on the error as indicated by the message text.

CGRP136E

```
INVALID MICROCODE LEVEL FOR CUU=ccuu - MUST BE 5265+
```

Cause

Consistency group services require operating environment level 5265 or later. The indicated device is not on a storage system with the minimum operating environment level.

Action

None.

CGRP137E

```
SAI CNFG CALL FAILED FOR CUU=ccuu
```

Cause

A Dell EMC SAI call was issued to device *ccuu* and it failed. The details of the error follow in message CGRP037E.

Action

None.

CGRP139E

```
SAI SYMDEVICE CALL FAILED FOR CUU=ccuu
```

Cause

A Dell EMC SAI call was issued to the indicated device and it failed. The details of the error follow in message CGRP271E.

Action

None.

CGRP140E

```
DEV ccuu RAID-10 MEMBER NOT ALLOWED ON SYMM_DEV# STMT
```

Cause

The indicated device is a RAID-10 meta member device and is rejected.

Action

Specify the meta head device number or remove the device from the consistency group definition.

CGRP141E

```
DEVICE REJECTED - CUU ccuu text:
```

Cause

The indicated device has one of the following problems:

- IS A PAGING DEVICE - The device cannot be defined to the consistency group because a z/OS paging dataset resides there and the PAGEDEV_ALLOWED parameter is set to NO.
- IS AN UNSUPPORTED PAV DEVICE - The device cannot be defined to the consistency group because it is a PAV device that is not a COMPAV base device.

- IS AN UNSUPPORTED SYMMETRIX MODEL - The device cannot be defined to the consistency group because it does not reside on a supported PowerMax or VMAX model.
- CONTAINS A COUPLE DATA SET - The device cannot be defined to the consistency group because a couple dataset resides there.
- IS NOT AN EMC DEVICE - The defined device is not a Dell EMC device.
- IS A DYNAMIC RDF DEVICE - The cuu defined with the DEVICE_LIST_STD parameter is a dynamic SRDF device.

Action

Correct the device number or remove the device from the consistency group definition.

CGRP142W

```
CONGROUP cgrp NOT ENABLED
```

Cause

The consistency group was not enabled for ConGroup protection.

Action

Look at the previous messages for more detail as to the reason why it was not enabled. Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

CGRP143I

```
ENABLE ALL CONGROUP PROCESSING COMPLETED
```

Cause

During startup, the ConGroup task attempts to enable all the defined consistency groups. This message indicates that processing to enable all the consistency groups has completed, although it does not mean that all consistency groups were successfully enabled.

Action

Look at previous messages to see if any consistency groups failed to enable.

CGRP144I

```
DISABLE ALL CONGROUP PROCESSING COMPLETED
```

Cause

During shutdown, the ConGroup task attempts to disable all the defined consistency groups. This message indicates that processing to disable all the consistency groups has completed, although it does not mean that all consistency groups were successfully disabled.

Action

Look at previous messages to see if any consistency groups failed to disable.

CGRP145E

```
ENABLE CONGROUP cgrp FAILED FOR CUU=ccuu
```

Cause

The ConGroup task was attempting to enable the indicated consistency group by issuing

an I/O against at least one of the devices in the consistency group. The I/O was attempted on the indicated device and failed, so the ConGroup task attempts the I/O on the next device in the consistency group. Specific details of the error are found in message CGRP003E.

Action

No immediate action is necessary. Look further for either message CGRP149I or CGRP150E.

CGRP147E

```
ENABLE CONGROUP cgrp FAILED FOR CTLR=symmserial
```

Cause

The ConGroup task attempted to enable the indicated consistency group using all the devices on the indicated storage system for the consistency group, and all the attempts failed.

Action

Some action will be necessary depending on the nature of the problem. For more details, see the accompanying message.

CGRP148I

```
CONGROUP cgrp IS ENABLED FOR CTLR=symmserial xxxx
```

Cause

The ConGroup task successfully enabled the indicated consistency group for the indicated storage system and RDF-ECA group ID *xxxx*. Note that enable processing continues on all other storage systems in the consistency group and the consistency group should not be considered enabled until message CGRP149I is issued.

Action

None.

CGRP149I

```
CONGROUP cgrp SUCCESSFULLY ENABLED
```

Cause

Consistency group protection has been successfully enabled for the indicated consistency group.

Action

None.

CGRP150E

```
CONGROUP cgrp NOT ENABLED
```

Cause

Enabling ConGroup protection for the indicated consistency group encountered errors and the consistency group was not successfully enabled.

Action

Check previous messages for more details as to the reason why the consistency group was not enabled.

CGRP151E

```
DISABLE CONGROUP cngrp FAILED FOR CUU=ccuu
```

Cause

The ConGroup task was attempting to disable the indicated consistency group by issuing an I/O against at least one of the devices in the consistency group. The I/O was attempted on the indicated device and failed, so the ConGroup task attempts the I/O on the next device in the consistency group. Specific details of the error are found in message CGRP003E.

Action

No immediate action is necessary.

CGRP152I

```
<comma-separated device ranges>
```

Cause

This message displays the object ranges of either a ADD or DElete command (or API call) that was previously requested. The ranges will be in either PowerMax or VMAX device ranges or CUU ranges, corresponding to which format was used on the request. Multiple lines will be displayed as necessary, as indicated by the last pair on the line followed by a comma.

Action

None.

CGRP153E

```
DISABLE CONGROUP cngrp FAILED FOR CTLR=symmserial
```

Cause

The ConGroup task attempted to disable the indicated consistency group using all the devices on the indicated storage system for the consistency group, and all the attempts failed.

Action

Some action will be necessary depending on the nature of the problem. For more details, see the accompanying message, CGRP151E.

CGRP154W

```
CONGROUP cngrp IS DISABLED FOR CTLR=symmserial
```

Cause

The ConGroup task successfully disabled the indicated consistency group for the indicated storage system. Note that disable processing continues on all other storage systems in the consistency group and the consistency group should not be considered disabled until message CGRP167I is issued, meaning that the disable was successful on all storage systems in the consistency group.

Action

None.

CGRP155E

```
SAI CONFIG_RDF CALL FAILED FOR CUU=ccuu
```

Cause

A Dell EMC SAI call was issued to the indicated device and it failed.

Action

The details of the error follow in message CGRP037E.

CGRP157E

```
RDF CONFIG FOR {CUU ccuu|DEV# syndv#} IS IN ADAPTIVE COPY MODE
```

Cause

The SRDF configuration for this device shows that it is in Adaptive Copy mode. Consistency group protection requires that a device be operating in either synchronous or semi-synchronous mode.

Display of the *CUU* or *DEV#* keywords depends on whether the device was defined using the z/OS *CUU* or the PowerMax or VMAX device number.

Action

None.

CGRP158E

```
CUU ccuu symmserial IS NOT AN RDF DEVICE
```

Cause

A non-SRDF device was included in the configuration file. All devices except for NONSHARE devices must be SRDF (R1 or R2) devices.

Action

Remove non-SRDF devices from the configuration file.

CGRP159W

```
R2 DEVICE FOR {CUU ccuu|DEV# syndv#} HAS count INVALID TRACKS
```

Cause

The device and its target (R2) device are not synchronized. To enable consistency group protection for a device, the device and its target (R2) device have to be fully synchronized; that is, the devices can have no invalid tracks.

Display of the *CUU* or *DEV#* keywords depends on whether the device was defined using the z/OS *CUU* or the PowerMax or VMAX device number. *count* is the count of invalid tracks.

Action

None.

CGRP160E

```
CUU ccuu HAS BEEN SWAPPED
```

Cause

The UCB for the indicated *CUU* has been swapped with another UCB.

Action

Refresh the ConGroup environment.

CGRP161E

```
REQUEST ABORTED - CUU ccuu HAS BEEN SWAPPED
```

Cause

The UCB for the indicated *CUU* has been swapped with another UCB so the current request could not be processed.

Action

Refresh the ConGroup environment and retry the request.

CGRP162E

```
R1 DEVICE FOR {CUU ccuu|DEV# syndv#} IS NOT READY
```

Cause

The indicated device is not ready. To enable consistency group protection for a device, the device and its target (R2) device must be in ready mode. Display of the `CUU` or `DEV#` keywords depends on whether the device was defined using the z/OS CUU or the PowerMax or VMAX device number.

Action

None.

CGRP163W

```
R2 DEVICE FOR {CUU ccuu|DEV# syndv#} IS TARGET NOT READY
```

Cause

The target (R2) device for the indicated device is not ready. To enable consistency group protection for a device, the device and its target (R2) device must be in ready mode. Display of the `CUU` or `DEV#` keywords depends on whether the device was defined using the z/OS CUU or the PowerMax or VMAX device number.

Action

None.

CGRP164E

```
NO CONGROUPS WERE DEFINED
```

Cause

No consistency groups were defined in the configuration file.

Action

Correct the configuration file, either restart the ConGroup address space or reissue the REFRESH command.

CGRP164I

```
cgrp Devices on symmserial: <list of devices>
```

Cause

This message lists the devices being verified.

Action

None.

CGRP165W

```
CUU ccuu NOT USED FOR I/O - reason
```

Cause

A necessary I/O could not be issued to the indicated CUU for the indicated reason. The I/O is automatically issued to another device on the same storage system.

Action

None.

CGRP166E

```
SCANUCB FAILED FOR VOLSER volser
```

Cause

ConGroup task initialization was processing the indicated volser and encountered a failure.

Action

Check with your system programmer that a device with the indicated volser is a device defined on z/OS.

CGRP167I

```
CONGROUP cgrp SUCCESSFULLY DISABLED
```

Cause

ConGroup protection for the indicated consistency group has been successfully turned off.

Action

None.

CGRP168E

```
CONGROUP cgrp FAILED TO DISABLE
```

Cause

The ConGroup task attempted to turn ConGroup protection off for the indicated consistency group, but there were errors. For more details, check previous messages for messages CGRP151E and CGRP153E.

Action

None.

CGRP169E

```
TRIGGER_MSGID FOR CONGROUP cgrp IS INVALID
```

Cause

The TRIGGER_MSGID specified for the indicated consistency group is an invalid length. The message ID must be between one and eight characters in length.

Action

None.

CGRP170I

```
ALL DEVICES FOR CONGROUP cgrp HAVE BEEN VERIFIED
```

Cause

A VERIFY command was issued and the command has completed successfully. All the devices in the consistency group are eligible to be enabled as part of the consistency group.

Action

None.

CGRP171I

```
CGCK SUBTASK HAS BEEN SUCCESSFULLY REATTACHED
```

Cause

The CGCK auto-verify subtask has been successfully reattached following an abnormal

termination.

Action

None.

CGRP172E

```
CONGROUP NAME IS TOO LONG => name
```

Cause

The name specified for a consistency group name is more than eight characters in length.

Action

Specify a name for the consistency group shorter than eight characters in length.

CGRP173E

```
CONGROUP NAME cngrp HAS ALREADY BEEN DEFINED
```

Cause

The name specified for a consistency group name has already been defined in a previous ConGroup statement. Each consistency group must have a unique name.

Action

Specify a unique name for the consistency group.

CGRP174E

```
INVALID VOLSER MASK => mask
```

Cause

This message appears in the following situations:

- When the only character specified in a volses mask is an asterisk (*). For example:
DEVICE_LIST=*
- When there are too many characters specified in a volses mask. For example:
DEVICE_LIST=ABC000*

Action

Check your parameter syntax, and resubmit the parameter.

CGRP176E

```
SORTCORE FAILED - RC=xxxxxxx
```

Cause

Internal error.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP178E

```
CHKPATCH ERROR ON CUU ccuu - RC=rrrrrrrr
```

Cause

Internal error.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP179W

```
MICROCODE PATCH nnnn IS NOT LOADED ON CTLR=symmserial
```

Cause

The ConGroup task, while checking for a valid operating environment level, detected missing maintenance.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP180E

```
SAF_CLASS PARAMETER IS INVALID
```

Cause

The value coded for the SAF_CLASS parameter is not valid.

Action

Correct the parameter value in the configuration file.

CGRP181E

```
SAF_PROFILE PARAMETER IS INVALID
```

Cause

The value code on the SAF_PROFILE parameter is not valid.

Action

Correct the parameter value in the configuration file.

CGRP182E

```
INVALID SUSPEND_FAILURE PARAMETER =>
```

Cause

A SUSPEND_FAILURE keyword was specified in the configuration file and was followed by an invalid parameter.

Action

Correct the error and try the configuration file again.

CGRP183E

```
VALID SUSPEND_FAILURE PARAMETERS ARE RETRY, FAIL AND WTOR
```

Cause

A SUSPEND_FAILURE keyword was specified in the configuration file and was followed by an invalid parameter. This message follows message CGRP182E.

Action

Correct the error and try the configuration file again.

CGRP184E

```
INVALID VALUE FOR SUSPEND_RETRY_TIMEOUT =>
```

Cause

SUSPEND_RETRY_TIMEOUT was specified in the configuration file and a valid integer was not specified as a parameter.

Action

Correct the error and try the configuration file again.

CGRP185E

```
INVALID VALUE FOR RESUME_INTERVAL =>
```

Cause

RESUME_INTERVAL was specified in the configuration file and a valid integer was not specified.

Action

Specify a valid integer and try the configuration file again.

CGRP186E

```
CUU ccuu (volser) IN GROUP cngroup ALREADY IN cngroup
```

Cause

A configuration statement added an z/OS device to a consistency group, but the device had already been defined in a previous consistency group. Another possible cause is that a configuration statement specified definition by mirror to R1 devices whose operating environment level does not support R1 device sharing.

Action

Change the configuration file so that the device in error is only included in one consistency group.

CGRP187E

```
DEV# symdv# CONGROUP cngroup CTLR symmserial HAS BEEN DEFINED
```

Cause

A configuration statement added a PowerMax or VMAX device number to a consistency group, but the device number had already been defined in a previous consistency group. This message is followed by message CGRP189E.

Action

See message CGRP189E for additional information.

CGRP189E

```
IN CONGROUP cngroup AS DEV# symdv# USING CUU ccuu
```

Cause

This message follows message CGRP187E and states where the PowerMax or VMAX device number had been previously defined.

Action

Change the configuration file so that the device in error is only included in one consistency group.

CGRP190I

DEBUG MODE TURNED ON

Cause

Debug mode has been turned on.

Action

None.

CGRP191I

DEBUG MODE TURNED OFF

Cause

Debug mode has been turned off.

Action

None.

CGRP192E

INVALID DEBUG VALUE - MUST BE ON, OFF, OR X

Cause

Specified debug value is invalid.

Action

Resubmit debug value of ON, OFF, or xxxxxxxx,xxxxxxx, where xxxxxxxx,xxxxxxx is a value specified to you by Dell EMC Customer Support.

CGRP193E

ENFREQ REQUEST FAILED - R15=rrrrrrrr

Cause

Internal error.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP194E

INVALID VALUE FOR REMSPLIT_INTERVAL =>

Cause

REMSPLIT_INTERVAL was specified in the configuration file and a valid integer was not specified.

Action

Specify a valid integer and try the configuration file again.

CGRP195E

COULD NOT IMPLANT SUBSYSTEM CONTROL STRUCTURE.

Cause

Internal error.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP196I

```
DEBUGGING FLAGS IN EFFECT ARE xxxxxxxx xxxxxxxx
```

Cause

Debug flags xxxxxxxx xxxxxxxx are in effect.

Action

None.

CGRP197E

```
{CUU ccuu|DEV# symdv#} IS NOT AN R1 DEVICE
```

Cause

When verifying the characteristics of the indicated device, it was discovered that the device is no longer marked as an R1 device.

Action

Make the device an R1 device to continue using it in the consistency group.

CGRP198E

```
Group defined only STD devices
```

Cause

It is illegal to have a consistency group containing only STD devices. The DEVICE_LIST_STD parameter was specified for a consistency group without also including a DEVICE_LIST parameter with at least one device.

Action

Remove the DEVICE_LIST_STD parameter definition from the consistency group definition or add a DEVICE_LIST parameter with at least one device to the consistency group.

CGRP199E

```
CUU ccuu IS NOT A STD DEVICE
```

Cause

The DEVICE_LIST_STD parameter defined a CCU that is not a STD device.

Action

Correct the parameter value in the configuration file.

CGRP200I

```
REFRESH COMPLETE - NEW CONFIG IS NOW ACTIVE
```

Cause

A REFRESH command was issued and the configuration file has passed the syntax and verification phase. The new configuration is now active, but errors may be encountered when the new consistency groups are enabled.

Action

Check the messages following this message and verify that the consistency groups have been enabled.

CGRP201E

```
REFRESH FAILED - OLD CONFIGURATION IS STILL ACTIVE
```

Cause

A REFRESH command was issued and the configuration file has failed the syntax and verification phase. The old configuration is still active while the configuration file contains the new configuration.

Action

Check the previous messages for the errors in the configuration file and correct them.

CGRP202E

```
REFRESH DENIED - CONGROUPS BEING VERIFIED
```

Cause

The REFRESH command cannot be processed at this time because the current state of the consistency groups is being verified.

Action

None.

CGRP203I

```
REMSPLIT COMPLETE FOR CONGROUP cngroup
```

Cause

A REMSPLIT command was issued for the consistency group and the REMSPLIT process has completed.

Action

None.

CGRP204E

```
REMSPLIT FOR CONGROUP cngroup COMPLETED WITH ERRORS
```

Cause

A REMSPLIT command was issued for the consistency group and the REMSPLIT process has completed with permanent errors.

Action

Review the messages issued prior to this message, and take the appropriate action.

CGRP205E

```
REMSPLIT FOR CONGROUP cngroup WAS CANCELLED
```

Cause

A CANCEL REMSPLIT command was issued for the consistency group and the REMSPLIT process has been terminated.

Action

None.

CGRP206I

```
REMSPLIT FOR CONGROUP cngrp CONTINUING
```

Cause

A REMSPLIT command was issued for the consistency group and the REMSPLIT process has received a temporary error. The process has waited the number of seconds specified in REMSPLIT_INTERVAL and is trying the remote split request again.

Action

None.

CGRP207E

```
RESUME FOR CONGROUP cngrp WAS CANCELLED
```

Cause

A RESUME process for the consistency group was active and an operator issued a CANCEL command to cancel the RESUME process. Although the RESUME process is cancelled, the devices are still resumed and data continue to flow to the remote devices. Cancelling the RESUME process merely stops the notification of when the process is complete. Message CGRP007I is not issued.

Action

None. The state of the devices can be checked manually by using the VERIFY command.

CGRP208W

```
Waiting for Device ccuu
```

Cause

ConGroup has entered Retry mode for the indicated device.

Action

None.

CGRP210E

```
INVALID OPTION FOR RESUME COMMAND =>xxxxxxxx
```

Cause

A RESUME command was issued that has an invalid option following the consistency group name.

The *Consistency Groups for z/OS Product Guide* provides a description of RESUME and the SPLIT option.

Action

Correct the command and retry.

CGRP211I

```
Wait ended for Device ccuu
```

Cause

Retry mode has ended for the indicated device.

Action

Consult the messages that follow CGRP211I for possible error information.

CGRP212E

```
DEVICESTATUS CALL FAILED FOR CUU=ccuu
```

Cause

The cache anchored in CGCLSEG DEVS32 was stale, so a DEVICESTATUS API call was issued to refresh it. This message is followed by message CGRP271E, that provides error detail.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP213E

```
CONGROUP cgrp BUSY UNDER CONTROL OF MSC
```

Cause

An ENABLE or DISABLE command was issued for a consistency group and the ConGroup address space was running in single mode (forced or unforced). ConGroup determined that the specified consistency group was under control of MSC. A request to allow the command to proceed was sent to MSC, but MSC did not return a proceed response within the required two second window. The command is aborted.

CGRP213E is only issued when ConGroup is in single-LPAR mode.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP214E

```
CONGROUP ADDRESS SPACE UNDER CONTROL OF MSC
```

Cause

A local REFRESH or STOP command was entered, but MSC was a registered master listener for REFRESH and STOP events. The request to MSC to allow the command to proceed was denied.

Action

Stop MSC and submit the command again.

CGRP215E

```
REFRESH REQUEST DENIED BY MSC/STAR or STOP REQUEST DENIED
```

Cause

Message CGRP214E was previously issued. CGRP215E is a follow-up message for CGRP214E.

Action

Stop MSC and submit the request again.

CGRP216E

```
Number of device ranges exceeds 512.
```

Cause

The number of device ranges in a SUSPEND syscall exceeds 512. A ConGroup enable at startup or refresh fails and displays this message.

Action

Ensure the number of device ranges in a SUSPEND does not exceed 512.

CGRP217E

```
INVALID VALUE FOR DEBUG=>
```

Cause

Invalid debug flags have been entered.

Action

Resubmit debug value of ON, OFF, or xxxxxxxx,xxxxxxx, where xxxxxxxx,xxxxxxx is a value specified to you by Dell EMC Customer Support.

CGRP218E

```
RDFEXTR CALL FAILED FOR {CUU ccuu|DEV# symdv#}
```

Cause

Internal error.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP219E

```
RC=xxxxxxxx RS=xxxxxxxx
```

Cause

Internal error. Follows message CGRP218E.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP220E

```
R1 DEVICE FOR {CUU ccuu|DEV# symdv#} IS RDF-WRITE-DISABLED
```

Cause

The source (R1) device for the indicated device is RDF WRITE DISABLED. In order to enable consistency group protection for a device, the device and its target (R2) device must be in ready mode.

Display of the CUU or DEV# keywords depends on whether the device was defined using the z/OS CUU or the PowerMax or VMAX device number.

Action

None.

CGRP221W

```
REFRESH DENIED - CONGROUP cngrp STATE DISALLOWS REFRESH
```

Cause

A REFRESH command was issued, but the REFRESH cannot occur because the consistency group is either suspended or has a RESUME, a REMSPLIT or a SUSPEND in

process. A REFRESH cannot occur if there are active processes for any consistency group or if a consistency group is suspended.

Action

Reenter the command when all processes are completed and no consistency groups are suspended.

CGRP222E

```
INVALID VALUE FOR AUTO_REFRESH=>
```

Cause

The configuration specified the AUTO_REFRESH keyword and an invalid parameter was specified.

Action

See the description of AUTO_REFRESH in the *Consistency Groups for z/OS Product Guide*.

CGRP223E

```
R2 DEVICE FOR {CUU ccuu|DEV# symdv#} HAS R1 INVALID TRKS-RESUME  
CANCELLED
```

Cause

A RESUME command was issued for a consistency group that has a remote target (R2) device with source (R1) invalid tracks. The most likely reason for the source (R1) invalid tracks is that the target (R2) device was brought online and data was written to it. This message is issued for each target (R2) device that has source (R1) invalid tracks.

Action

This is a recovery situation. Be careful to avoid data loss or data corruption. The *SRDF Host Component for z/OS Product Guide* describes recovery procedures. Always contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and any other relevant job documentation.

CGRP224E

```
MICROCODE PATCH xxxxx IS NOT LOADED ON CTLR=symmserial
```

Cause

During startup or refresh, ConGroup detected the absence of a critical operating environment patch. Without the missing patch ConGroup could not operate properly. If detected at startup, ConGroup terminates. If detected during refresh, ConGroup fails the refresh process and re-institutes the prior configuration.

Action

Ensure that missing patch is applied to the specified storage system before restarting or refreshing ConGroup. Contact the Dell EMC Customer Support Center.

CGRP225E

```
ADD/DEL failed, CUU or DEV range not ascending
```

Cause

ConGroup detected that the device number range pair was not in ascending order. The command failed.

Action

Correct the erroneous range in the SYMMDEV# statement and rerun the command.

CGRP226E

```
Group has Invalid Tracks
```

Cause

This message is issued during an attempt to enable a group if the group being enabled has invalid tracks. The enable is aborted.

Action

Fix the reason the devices have invalid tracks and retry the Enable.

CGRP227E

```
SCF IS NOT RUNNING
```

Cause

This can be the case for two reasons:

- 1) SCF has not been started yet.
- 2) The SCF\$*nnnn* DD statement in the utility JCL is not matching the one in the SCF JCL.

Action

Either start SCF or cancel ECGUTIL. Make the SCF\$*nnnn* DD statement the same in SCF and the utility JCL. Restart the appropriate programs.

CGRP237E

```
INVALID VALUE FOR START=>
```

Cause

An invalid value was specified for the START keyword. Valid values are WARM and COLD.

Action

Enter a valid value for START.

CGRP244E

```
INVALID VALUE FOR DISABLE_AT_SHUTDOWN=>
```

Cause

An invalid value was specified for the DISABLE_AT_SHUTDOWN keyword.

Action

Specify a valid value for DISABLE_SHUTDOWN.

CGRP247E

```
ATTACH FAILED FOR CONGROUP WTO SUBTASK
```

Cause

A ConGroup messaging subtask initialization failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP251E

```
TDMF IS ACTIVE ON CUU ccuu - CONGROUP HALTED
```

Cause

TDMF, Transparent Data Migration Facility, an IBM (Softek) product, has been found to be active for the given device. To maintain data consistency, ConGroup and TDMF cannot be active simultaneously on the same devices.

Action

Remove TDMF from the device and restart ConGroup.

CGRP252W

```
REFRESH IS ALREADY IN PROGRESS
```

Cause

The operator issued a REFRESH command when a refresh request was already being processed. The REFRESH command just issued is ignored.

Action

None.

CGRP256E

```
Unexpected TNR R1 Encountered
```

Cause

During RESUME processing, an unexpected TNR state was found which aborted the command. The consistency group cannot be reenabled due to the TNR devices. Invalid tracks may build up on the TNR devices. The RESUME process will need to be retried after the reason for the unexpected TNR has been identified and corrected.

Action

Re-issue the RESUME command once the network has been stabilized.

CGRP257E

```
ATTACH FAILED FOR REFRESH MONITORING SUBTASK
```

Cause

An attempt to attach the refresh monitoring subtask failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP258W

```
CANCEL RESUME DENIED. RESUME IS NOT IN PROGRESS.
```

Cause

A CANCEL RESUME command was issued against a consistency group that is not currently processing a resume.

Action

None. The request is ignored.

CGRP259W

```
CANCEL REMSPLIT DENIED. REMSPLIT IS NOT IN PROGRESS.
```

Cause

A CANCEL REMSPLIT was requested against a consistency group that is not currently processing a remote split operation. The CANCEL REMSPLIT request is ignored.

Action

None.

CGRP260W

```
CANCEL SUSPEND DENIED. SUSPEND IS NOT IN PROGRESS.
```

Cause

A CANCEL SUSPEND operator command was issued for a consistency group, but the consistency group is not currently executing suspend processing.

Action

None.

CGRP261E

```
REQUEST ABORTED - CUU ccuu HAS BEEN SWAPPED
```

Cause

The UCB for CUU *ccuu* has been swapped with another UCB so the current request could not be processed.

Action

Refresh the ConGroup environment then try the request again.

CGRP262E

```
SPLIT OPTION SPECIFIED, BUT CONGROUP IS NOT SUSPENDED
```

Cause

A RESUME request with the SPLIT option was requested for a consistency group, but the consistency group is not currently in a suspended state.

Action

None. The request is not processed.

CGRP264E

```
CANNOT GET REMOTE RDF INFORMATION FOR RAGROUP srdfgrp
```

Cause

An error was encountered while attempting to collect SRDF information for the specified SRDF group.

Action

The description of CGRP037E contains more information.

CGRP267E

```
BCV FOR CUU ccuu IS NOT SYNCHRONIZED
```

Cause

While processing the *ccuu* defined with the DEVICE_LIST_STD parameter, a BCV device was found established to the CUU device, but it is not synchronized.

Action

If a BCVSPLIT has occurred, the BCV needs to re-established to the device. If a BCVSPLIT has not occurred, the synchronization process is most likely still running.

CGRP268E

```
THERE IS NO BCV ESTABLISHED AND SYNCHRONIZED TO STD CUU ccuu
```

Cause

While processing the CUU defined with the DEVICE_LIST_STD parameter, no BCV device was found to be established to the indicated device CUU.

Action

In order to enable and resume the consistency group containing this device, a BCV device must be established to the CUU device and synchronized.

CGRP269E

```
BCV SPLIT FAILED FOR STD CUU ccuu
```

Cause

The suspend logic was unable to successfully perform a BCVSPLIT for the indicated CUU.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP270E

```
BCV QUERY FOR DEVICES ON CONTROLLER symmserial FAILED
```

Cause

During suspend processing, the BCV information for the DEVICE_LIST_STD defined devices on the storage system could not be collected.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP271E

```
R15=xxxxxxxx EMCRC/EMCRS=yyyyyyyyy EMCRCX=zzzzzzzz
```

Cause

This general message provides additional error information for the preceding message. This information may be needed by the Dell EMC Customer Support Center to aid in problem diagnostics.

Action

None.

CGRP272E

```
SEMISYNC_ALLOWED PARAMETER MUST BE YES OR NO
```

Cause

An invalid value was coded on the SEMISYNC_ALLOWED parameter.

Action

Correct the parameter value in the configuration file.

CGRP273E

```
RDF CONFIG FOR {CUU ccuu|DEV# syndv#} IS IN SEMI-SYNC (J1) MODE
```

Cause

The indicated device is in semi-synchronous mode, but SEMISYNC_ALLOWED=NO is in effect. Display of the CUU or DEV# keywords depends on whether the device was defined using the z/OS CUU or the PowerMax or VMAX device number.

This message may appear if the group is a CAX group regardless of the value of the SEMISYNC_ALLOWED parameter.

Action

Either change the device state to synchronous (J0) mode, change SEMISYNC_ALLOWED=YES, or remove the device from the consistency group.

CGRP274E

```
GETCPLFL CALL FAILED (xxxxxxxx/xxxxxxxx/xxxxxxxx/xxxxxxxx)
```

Cause

Internal error.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP275E

```
PAGEDEV_ALLOWED PARAMETER VALUE MUST BE YES OR NO
```

Cause

The PAGEDEV_ALLOWED start-up parameter was specified with an invalid value.

Action

Correct the value specified for the PAGEDEV_ALLOWED parameter in the configuration file.

CGRP277E

```
No Protection Specified for CUU ccuu RAGROUP srdfgrp
```

Cause

The SRDF group information could not be found for the device.

Whenever devices are read in the input stream via SCFG or GNS, you may have to specify a SYMGROUP to cover the SRDF groups the explicit DEVICE_LISTs are under (specifically if they are not in the same SRDF group as the devices in the SCFG file).

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP278E

```
INSUFFICIENT STORAGE TO ALLOCATE xxxxxxx
```

Cause

Insufficient private storage was available for processing.

Action

Increase the region size of the ConGroup address space.

CGRP279E

```
ALL LOCAL MIRRORS FOR {CUU ccuu|DEV# syndv#] ARE NOT READY
```

Cause

All local mirrors for the indicated device are not ready.

Display of the `CUU` or `DEV#` keywords depends on whether the device was defined using the z/OS `CUU` or the PowerMax or VMAX device number.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP280W

```
OLD ENVIRONMENT WAS FORCEFULLY DETACHED
```

Cause

ConGroup was directed to forcibly overlay the `SSCTSUSE` field at startup. This should only occur under specific direction of Dell EMC Customer Support by specifying a specific debug flag for that purpose.

Action

None.

CGRP281I

```
BUILD DATE: mm/dd/yy hh.mm cgmodule-ptf
```

Cause

This is an informational message that documents the date on which the most recently assembled module (or PTF) was assembled. It may be used by Dell EMC Customer Support for diagnostic purposes.

- *mm/dd/yy hh.mm* indicates the date, hour, and minute of the build. If there is no PTF, the build date-time of the ConGroup main module. If there is a PTF, the build date-time is that of the PTF.
- *cgmodule* specifies the name of the ConGroup module, including the version, release, and modification level (for example, SCGP640).
- *ptf* specifies the full name of the PTF (for example, SC64001). If no maintenance has been applied, the name of the PTF is PTF00000.

Action

None.

CGRP282I

```
command
```

Cause

This is an informational message that documents which commands have been used. The message is used to echo operator commands.

Action

None.

CGRP283E

```
{COMM|WTO|CGCK} SUBTASK ATTACH LIMIT EXCEEDED
```

Cause

ConGroup detected that the indicated subtask terminated and attempted a restart, but the task has already been restarted more times than is allowed. *COMM* is the communication task, *WTO* is the Write-to-Operator Task, *CGCK* is the auto-verify task.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP284E

```
Keyword USE_RDF_ECA is obsolete
```

Cause

If *USE_RDF_ECA=NO* is specified, this message is issued and initialization is terminated. *USE_RDF_ECA=NO* is no longer a supported option. *USE_RDF_ECA=YES* is the default and is accepted for compatibility.

Action

Remove the statement and restart.

CGRP285E

```
ConGroup State Invalid for command
```

Cause

This message is issued when a command is entered and ConGroup is not in the proper state to be able to act on the request.

Action

See the CGRP282I message for the command that could not be executed. Ensure that ConGroup is not being shut down or in some transient state, then reissue the message when that situation clears.

CGRP286E

```
Set Owner for Group cgrp failed: rc rsn
```

Cause

This is a result of either a ConGroup PIN or UNPIN command. *rc* is the JRRS return code. *rsn* is the JRRS reason code.

Action

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

CGRP288E

```
R2 DEVICE FOR {CUU ccuu|DEV# syndv#} is RDF-WRITE-DISABLED
```

Cause

The R2 device for the indicated device is in a RDF-Write-Disabled state. One possible cause for this is that the R2 device is in a R/W state. A second possible cause is that the R2 device has been made *Not Ready* on the link. During suspend processing the I/O for this device would not be halted for the given reason.

Display of the CUU or DEV# keywords depends on whether the device was defined using the z/OS CUU or the PowerMax or VMAX device number.

Action

Change the state of the R2 device to RDF-Write-Enabled.

CGRP289E | CGRP289W

```
ADCOPY mirror {CUU ccuu|DEV symdv#} RA srdfgrp protection
specified
```

Cause

This message is issued at startup and when running a REFRESH (W) and (or) ENABLE, VERIFY (E) command if an ADAPTIVE COPY mirror is detected that is also being specified to be protected.

Adaptive Copy and SRDF/A devices cannot be included in a consistency group. In addition to issuing this warning or error message, any "protected" ADCOPY mirrors will be excluded from the group.

Action

Do not include such devices in a consistency group.

CGRP290W

```
NO DEVICES TO PROTECT WERE FOUND IN ANY CONGROUP
```

Cause

After reading the configuration datasets, no R1 devices were found that could trip the consistency group.

Action

None.

CGRP291E

```
INVALID SYMM SERIAL NUMBER => symmserial
```

Cause

While processing the input configuration file, a parameter was found that specified an invalid storage system serial number. This can occur during processing of a SYMGROUP statement.

Action

Locate and correct the storage system serial number.

CGRP292E

```
INVALID RA GROUP NUMBER => srdfgrp GIVEN FOR SER # symmserial
```

Cause

While processing the input configuration file, an invalid SRDF group number was specified in a SYMGROUP statement for the indicated storage system serial number.

Action

Locate and correct the SRDF group number.

CGRP293E

```
NO REMOTE MIRRORS ON CONSISTENT GROUPS FOR {CUU ccuu|DEV# symdv#}
```

Cause

While processing the input configuration file, the indicated device was found to have no synchronous remote mirrors on a consistent SRDF Group defined by the SYMGROUP parameter or implied by the absence of a SYMGROUP statement.

Display of the CUU or DEV# keywords depends on whether the device was defined using the z/OS CUU or the PowerMax or VMAX device number.

Action

Ensure that at least one of the remote mirrors for this device has a consistent SRDF group defined by the SYMGROUP parameter. Ensure that R1 devices are in synchronous mode and not in Adaptive Copy mode.

CGRP294E

```
INVALID RA GROUP RANGE => xxxxxx
```

Cause

While processing the input configuration file, a parameter was found specifying an invalid SRDF group range.

Action

Locate and correct the SRDF group range specified by xxxxxx.

CGRP301E

```
RELEASE OF THE OPERATING SYSTEM IS NOT SUPPORTED
```

Cause

The release of operating system currently running is not supported.

Action

Contact the Dell EMC Customer Support Center.

CGRP302W

Format 1:

```
{CUU ccuu|DEV# symdv#} IOSLEVEL WAS SET HIGH
```

Format 2:

```
{CUU ccuu|DEV# symdv#} Page DATA SET on DEVICE
```

Cause

An error was encountered during End-of-Sense processing. If the error occurred on a gatekeeper for a SYMMDEV, then DEV# is displayed. If the device was not a gatekeeper, then CUU is displayed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP303E

```
SYMMETRIX CONTROL FACILITY IS NOT AVAILABLE
```

Cause

The Symmetrix Control Facility must be active on the LPAR for the ConGroup utility to function properly.

Action

Start the Symmetrix Control Facility and try the operation that failed again.

CGRP304E

```
COUPLEDEV_ALLOWED PARAMETER MUST BE YES OR NO
```

Cause

A value other than YES or NO was specified.

Action

Submit the request again with YES or NO specified.

CGRP305E

```
CUU ccuu IS A PAGING DEVICE
```

Cause

While verifying the devices in a consistency group, the CUU was discovered to have a paging dataset, but devices with paging datasets have not been allowed.

Action

Either remove the device from the consistency group definition, specify the PAGEDEV_ALLOWED=YES, or move the paging dataset to another device.

CGRP306E

```
INVALID COMMAND OPTION => option
```

Cause

The last operator command was issued with an invalid option.

Action

Reissue the operator command with the correct command option.

CGRP307E

```
CUU ccuu CONTAINS A COUPLE DATA SET
```

Cause

While the CUU was being verified, a couple dataset was found to be allocated on the volume. ConGroup does not support volumes containing couple datasets.

Action

Either remove the CUU from the consistency group definition or relocate the couple dataset to another volume.

CGRP307W

```
PAGEDEV_ALLOWED (SEE PRODUCT GUIDE FOR USAGE CONSIDERATIONS)
```

Cause

PAGEDEV_ALLOWED was specified in the parameter file.

Action

See the description of PAGEDEV_ALLOWED in the *Consistency Groups for z/OS Product Guide* for usage considerations.

CGRP308E

```
CGRPUTIL ERROR. FC=xxxx, RC=xxxxxxxx, RSN=xxxxxxxx
```

Cause

Internal error. Depending on the error condition, this message may be preceded by another message containing additional information about the error.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP309E

```
NO CONGROUP NAME WAS SUPPLIED
```

Cause

A parameter to define a consistency group was encountered in the configuration file, but a name for the consistency group was not supplied.

Action

Correct the configuration file parameter that defines the consistency group.

CGRP310E

```
CONFIG FILE ERROR FOUND ON LINE xxxx
```

Cause

An error was detected in line xxxx in the configuration file. This message is preceded by another message containing additional information about the configuration parameter that is in error.

Action

Correct the configuration file parameter.

CGRP311E

```
INVALID VALUE FOR DISPLAY_CONGROUP_LISTOPT => value
```

Cause

The value is not valid for the DISPLAY_CONGROUP_LISTOPT configuration parameter.

Action

Correct the value specified for the DISPLAY_CONGROUP_LISTOPT parameter in the configuration file.

CGRP312E

```
INVALID VALUE FOR RESUME_OPTION => value
```

Cause

The value is not valid for the RESUME_OPTION configuration parameter.

Action

Correct the value specified for the RESUME_OPTION parameter in the configuration file.

CGRP313E

```
INVALID VALUE FOR REMSPLIT_OPTION => value
```

Cause

The value is not valid for the REMSPLIT_OPTION configuration parameter.

Action

Correct the value specified for the REMSPLIT_OPTION parameter in the configuration file.

CGRP314E

```
NO REMOTE BCV FOUND FOR {ccuu|syndv#} (symmserial) RAGROUP srdfgrp
```

Cause

During REMSPLIT processing, no BCV was found to be attached to the indicated device. This message is only issued if the configuration parameter REMSPLIT_OPTION=NOESTERR is in effect. The processing continues, but the overall REMSPLIT process is incomplete.

Action

None.

CGRP321E

```
PARAMETER MUST BE SPECIFIED PRIOR TO ANY CONGROUP DEFINITION
```

Cause

A global configuration parameter was found in the configuration file after the definition of a consistency group.

Action

Move any global configuration parameters to the beginning of the configuration file, before any consistency group definition.

CGRP336E

```
SUSPEND_FAILURE PARAMETER MUST BE SPECIFIED
```

Cause

The consistency group level parameter SUSPEND_FAILURE was not specified for at least one consistency group. This message is followed by message CGRP125E. Then, ConGroup terminates without completing initialization or it will fail its refresh if the message was encountered during refresh.

Action

Correct your configuration file to include a SUSPEND_FAILURE parameter for each group.

CGRP349I

```
cgrp STATE CHANGE FROM state to state
```

Cause

The auto-verify logic has detected that the state of the consistency group has changed as indicated in the message. The following states are possible:

- **DISABLED:** ConGroup is disabled.
- **ENABLED/ACTIVE:** ConGroup is enabled and the data from the primary side is being synchronized to the secondary side.
- **ENABLED/SUSPENDED:** ConGroup is enabled, but the data from the primary to the

secondary side has been disabled.

- UNKNOWN: The devices in the consistency group are not in a consistent state (i.e. some may be ENABLED/ACTIVE, with others are ENABLED/SUPENDED, and so on.)

Action

A state change may or may not represent an error. See the preceding messages to determine if the state change was considered to be an error by the ConGroup.

CGRP351E

```
PARAM MUST BE SPECIFIED BEFORE OTHER PARAMS => parm
```

Cause

The *parm* parameter must be one of the first parameters defined in the configuration file.

Action

Correct the configuration file.

CGRP352E

```
INTERNAL CALL FAILED. RC=xxxxxxxx, RSN=yyyyyyyyy, ID=zz
```

Cause

An internal error was encountered.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

CGRP354E

```
SCFG NAME IS INVALID => gnsgrp
```

Cause

A GNS group with an invalid name or missing group was encountered while processing the configuration file.

Action

Correct the GNS group name that is in error or if group is missing, add the group with utility EMCGROUP, and then restart ConGroup.

CGRP355E

```
GROUP NAME SERVICES NOT ACTIVE
```

Cause

Group Name Services (GNS) is not active. It is required for ConGroup to function. SCF.GNS.ACTIVE in the SCF initialization file is not set to YES or you are running a version of ResourcePak Base that does not support GNS.

Action

Start GNS.

CGRP356E

```
SCFG ERROR. RC=xxxxxxxx RS=xxxxxxxx
```

Cause

An error was detected while attempting to access GNS. The return code and reason code is displayed.

Action

See a description of GNS reason codes in the *ResourcePak Base for z/OS Product Guide*. Correct the error and restart ConGroup.

CGRP361E

```
RE-ARM OF CUU ccuu FAILED
```

Cause

Resume failed for an individual R1 that supports concurrent SRDF pair or R2s. This rearm action is taken when the unprotected leg of a concurrent pair trips and CONSISTENT_LINK_TRIP=YES has been specified. CONSISTENT_LINK_TRIP only applies to Engenuity 5x68 and earlier. CONSISTENT_LINK_TRIP defaults to NO. NO causes a consistency group to trip if either leg of a concurrent pair trips (this is consistent with older versions of ConGroup that did not have the SYMGROUP parameter). YES tells ConGroup to examine the mirror that tripped to see if it was intended (by use of the SYMGROUP parameter) to be protected or not. If not, the device is rearmed and the trip is aborted. In Engenuity 5x69 and later levels of the operating environment, ConGroup actually arms by mirror, so it is impossible for an unprotected mirror to trip and therefore the parameter does not apply.

Action

Determine cause of rearm failure and correct.

CGRP362E

```
FAILURE WHILE GETTING DEVICE STATUS FOR CU*
```

Cause

Device status information could not be obtained for device with trip indication. The routine that issues this message is checking all devices to make sure that there is at least one device that is legitimately causing a trip. Unless a complete and successful DEVICESTATUS examination of all devices does not find a legitimately tripping device, the routine allows the trip to continue. A failed DEVICESTATUS call is therefore displayed, but does not prevent the trip. The trip continues.

Action

None.

CGRP363E

```
INVALID VALUE SUPPLIED FOR CONSISTENT_LINK*
```

Cause

YES or NO was not coded for CONSISTENT_LINK_TRIP.

Action

Specify YES or NO.

CGRP364W

```
INVALID OPTION FOR DISPLAY ENVIRONMENT COM*
```

Cause

One or more extra options was specified on an DIS ENV command. The extra option is ignored.

Action

None.

CGRP368W

SEMISYNC_ALLOWED (SEE PRODUCT GUIDE FOR USAGE CONSIDERATIONS)

Cause

SEMISYNC_ALLOWED was specified in the parameter file.

Action

See the description of SEMISYNC_ALLOWED in the *Consistency Groups for z/OS Product Guide* for usage considerations.

CGRP369E

SUSPEND_FAILURE=WTOR IS ONLY VALID WHEN RUNNING SUB=MSTR

Cause

SUSPEND_FAILURE=WTOR was coded in the configuration file, but the ConGroup address space is not running under the Master subsystem.

Action

Either change the value of the SUSPEND_FAILURE parameter or restart the ConGroup address space as a started task using SUB=MSTR.

CGRP370W

PAGEDEV_ALLOWED (SEE PRODUCT GUIDE FOR USAGE CONSIDERATIONS)

Cause

PAGEDEV_ALLOWED was specified in the parameter file.

Action

See the description of PAGEDEV_ALLOWED in the *Consistency Groups for z/OS Product Guide* for usage considerations.

CGRP371W

COUPLEDS_ALLOWED (SEE PRODUCT GUIDE FOR USAGE CONSIDERATIONS)

Cause

COUPLEDS_ALLOWED was specified in the parameter file.

Action

See the description of COUPLEDS_ALLOWED in the *Consistency Groups for z/OS Product Guide* for usage considerations.

CGRP373E

Error loading config array

Cause

Internal error during configuration file processing.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

CGRP374E

```
Error reading config array
```

Cause

Internal error during configuration file processing.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

CGRP375E

```
Error in CAX= statement
```

Cause

Syntax error in CAX statement.

Action

Review statement and correct CAX syntax.

CGRP376E

```
No matching CASOPTS statement found. ConGroup will not start.
```

Cause

A CAX statement did not have a matching CAXOPTS statement anywhere in the configuration file.

Action

Review statement and correct CAX syntax.

CGRP378I

```
Congroup cgrp {swapping|AutoSwap quiesced locally|AutoSwap globally complete}
```

Cause

Progressive state of the swap process.

- `Swapping` means that `AutoSwap` has begun swapping, but has not yet made quiescent all R1 IO on the local system for this congroup.
- `Autoswap quiesced locally` means that all local IO has been quiesced.
- `AutoSwap quiesced globally` means that R1 IO for this congroup has been quiesced on all participating LPARs.

Action

None.

CGRP379E

```
SEMISYNC toleration and SDAS protection are incompatible
```

Cause

Semisync cannot be specified for an S/DAS protected ConGroup. ConGroup will not start.

Action

None.

CGRP380E

```
CAX feature key missing or not authorized
```

Cause

The CAX feature key is not authorized or is missing. ConGroup fails to initialize.

Action

Specify a valid CAX authorization key in SCF and restart ConGroup.

CGRP381E

```
Congroup cngrp includes at least one SRDFA device.
```

Cause

An SRDF/A device was encountered in the consistency group. The enable process fails.

Action

Remove all SRDF/A devices from the consistency group and enable again.

CGRP382E

```
SRDFA IS ACTIVE FOR {CUU ccuu|DEV# syndv#}
```

Cause

SRDF/A devices are not allowed in a consistency group.

Display of the CUU or DEV# keywords depends on whether the device was defined using the z/OS CUU or the PowerMax or VMAX device number.

Action

Remove SRDF/A devices from the consistency group.

CGRP383W

```
GNS Group bypassed: gnsgrp
```

Cause

A GNS group with an invalid (unrecognized) name was encountered while processing the configuration file. The GNS group is bypassed to allow partial group specification. Use of this behavior feature to create partial groups is not currently supported.

Action

If partial groups are not desired, correct the GNS group name that is in error and restart ConGroup. If partial groups are desired, no action is needed.

CGRP384E

```
PPRC IS ACTIVE for {CUU ccuu|DEV# sumdv#}
```

Cause

A PPRC device was included in a consistency group. PowerMax or VMAX PPRC devices are not allowed in ConGroup definitions. The consistency group will not be activated.

Display of the CUU or DEV# keywords depends on whether the device was defined using the z/OS CUU or the PowerMax or VMAX device number.

Action

Remove the PPRC device from the ConGroup definition and try to activate the consistency group again.

CGRP385E

```
CUU: ccuu SENSE (00-15): <first 16 sense bytes>  
CUU: ccuu SENSE (16-31): <last 16 sense bytes>
```

Cause

A PPRC device was included in a consistency group. This message displays the PPRC sense information for the device. Detection of spurious PPRC suspended sense codes (X'FB' at byte +7 of the sense data) generates these messages to the log and exits without triggering a trip.

Action

This is an extremely unlikely event. Call Dell EMC Support if it continues.

CGRP387W

```
Command not allowed. ALL_CONGROUUPS lock held by module smfid
```

Cause

ConGroup is attempting to execute a command that requires the ALL_CONGROUUPS lock before performing the requested operation. Some other task has already acquired the lock and has not completed and released the lock yet. The module owning the lock is identified by *module* and *smfid* identifies the SMFID of the LPAR holding the lock.

Action

If you receive this message, reenter the failed command since the warning is probably the result of a transient condition. If the command was entered by a script, consider using the "WAIT" parameter if documented as an option for the failed command.

CGRP388I

```
lockname Lock action smfid type issuer
```

Cause

This message is generated by ConGroup at key times to indicate the status of certain locks.

lockname is the 16-character lock name. Possible values are:

- ALL-CONGROUUPS - Used to coordinated global operations
- ENABLE-1 - Internal during ENABLE
- REFRESH-1 - Internal during REFRESH

action specifies the type of action on the lock. Possible values are:

- Generated(Acquire) Request Generated
- Generated(Release) Request Generated
- Acquired Lock Acquired
- Released Lock Released
- Queued

smfid identifies the SMFID where lock action initiated or where lock action is required to match. \$ANY is used to allow the issuer of a release to match a different SMFID than the acquirer of the lock.

type is the type lock request. Possible values are:

- EXCL - Exclusive (will queue up)
- EXCN - Exclusive/Nowait (will not queue up)
- SHRF - Shared (used internally by ENABLE)

issuer is an 8-character string that identifies the internal component driving the request. The action `Generated(...)` will only occur on the system generating the request. The action `Acquired` or `Released` will subsequently appear concurrently on every connected system (including the generating system).

Action

None.

CGRP391I

VERIFY_INTERVAL changed from *oldvalue* to *newvalue*

Cause

This message is issued in response to a SET VERIFY_INTERVAL command to confirm the change has been accepted.

Action

None.

CGRP392E

VERIFY_INTERVAL must be 0-99999999 seconds

Cause

A SET VERIFY_INTERVAL command contained a value that was outside the valid range allowed.

Action

Reissue the SET VERIFY_INTERVAL command with a valid value.

CGRP393W

CGSETn No Owner Detected for *ssssss* Seconds

Cause

This message appears on a regular basis at non-owner address space(s) running in multi-LPAR mode as long as no owner address space is connected on the same CG set (CGSET). This can happen normally if a non-owner is started before an owner. Once the owner is initialized, the messages at the non-owner(s) should stop.

Action

If the messages persist, either start the owner address space, or issue the TAKEOVER command at a non-owner LPAR to make it the owner. In either case, the messages will stop when an owner is established.

If a group is disabled at the time a takeover is issued at a non-owner, a subsequent ENABLE needs to be done to enable the group. The TAKEOVER alone is not sufficient to enable the group.

CGRP500E

CONGROUP *cgrp* HAS BEEN SWAPPED

Cause

One of the following operator commands was issued (and denied) because the consistency group has been swapped: RESUME, RESET, ENABLE, DISABLE, REMSPLIT, VERIFY. This message is followed by a message detailing which command was rejected.

Action

Consult the message that follows CGRP500E.

CGRP504E

CONGROUP *cgrp* SWAP STATE INVALID FOR FORCE

Cause

An ENABLE FORCE command was issued against a consistency group that was not swapped. The FORCE option only works after a complete swap and a subsequent swap back of all the devices to their original R1s.

Action

Do not specify FORCE.

CGRP505E

```
CONGROUP cngrp At least one device remains swapped.
```

Cause

The ENABLE FORCE command was issued against a previously swapped consistency group that has not been fully swapped back to its original configuration.

Action

None.

CGRP506E

```
CUU ccuu is swapped - cannot enable group
```

Cause

The displayed device remains in a swapped state. It must be swapped back before the ENABLE FORCE can work.

Action

Do not specify FORCE before the swap is complete.

CGRP507I

```
Queued WTOs delayed by nn.nn seconds due to high UCBLEVEL and non-MSTR execution
```

Cause

This message appears after a SUSPEND is complete and UCBLEVELs are lowered. Then, all queued WTOs (queued during the SUSPEND process) are issued. Because of this, all such messages appear to be issued simultaneously, when in fact they may have been issued throughout the *nn.nn* delay time period. The time interval in the message is an accurate measure of how long the trip took.

Action

None.

CGRP508E

```
Define AutoSwap Group cngrp failed: rrrr,ssss
```

Cause

The CAX group define failed. *rrrr,ssss* are the return code and reason code from CSC.

Action

None.

CGRP508I

```
CG cngrp has been created by owner.
```

Cause

A consistency group has been created by the owner.

Action

None.

CGRP509E

```
AutoSwap Define call for cngrp failed. CSC R15=rrrr,R0=ssss
```

Cause

An error occurred executing the CSC signal call to ConGroup AutoSwap extension.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP509I

```
CG cngrp has been deleted by owner.
```

Cause

A consistency group has been deleted by the owner.

Action

None.

CGRP511E

```
CONGROUP is busy. Action rejected. Try again later.
```

Cause

ConGroup is busy performing some other action. The action you requested cannot be performed until the previous action completes.

Action

Try your action at some time after the current action completes.

CGRP512E

```
AutoSwap Group already exists: groupname
```

Cause

The indicated group already exists, but an attempt is being made to create the consistency group.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP513E

```
***CONGROUP ENDED. SCF NOT ACTIVE
```

Cause

CONGROUP is terminated with a return code 12

Action

Start an SCF address space if one is not active. If SCF is active ensure that the SCF\$nnnn dd card is present in the CONGROUP JCL and defines the SCF that is running.

CGRP513I

```
Successfully deleted AutoSwap Group swapgrp
```

Cause

Whenever a consistency group is disabled, the associated AutoSwap group is deleted.

Action

None.

CGRP514E

```
***CONGROUP ENDED. API VERSION IS TOO OLD
```

Cause

ConGroup is terminated with a return code of 12.

Action

Apply all required maintenance to ResourcePak Base. Recycle the ResourcePak Base address space. Start ConGroup.

CGRP514I

```
Delete AutoSwap Group swapgrp failed: rrrr,ssss
```

Cause

The CAX group delete failed. *rrrr,ssss* are the return code and reason code from CSC.

Action

None.

CGRP515E

```
AutoSwap Delete call for swapgrp failed. CSC R15=rrrr,R0=ssss
```

Cause

An error occurred executing the CSC signal call to the underlying component AutoSwap. *rrrr* and *ssss* are the return code and reason code, respectively.

Action

Review the return and reason codes and take the appropriate action.

CGRP515W

```
CONGROUP cgrp BYPASSED
```

Cause

Message CGRP133W or CGRP613W was issued. The CGRP515W message follows either CGRP133W or CGRP613W and identifies the group referred to by either message.

Action

None.

CGRP516E

```
BLDL for AutoSwap module EMCSDAS failed
```

Cause

Module EMCSDAS is required, but could not be found in the ConGroup STEPLIB or LINKLIST concatenation.

Action

Ensure that EMCSDAS is available to ConGroup. Restart ConGroup.

CGRP516W

```
AutoSwap is not available for group delete
```

Cause

An attempt to delete an CAX group failed. Most likely this occurred because AutoSwap terminated after the group was successfully defined.

Action

None.

CGRP517E

```
Attach of AutoSwap subtask failed.
```

Cause

Attach of AutoSwap subtask failed. This is an internal error.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP517I

```
Successfully validated AutoSwap Group swapgrp
```

Cause

After all the R1 devices in the consistency group have been added, an AutoSwap validate request is issued. This message is issued if all devices validate successfully. Successful validation means that all the devices are eligible for swap.

Action

None.

CGRP518E

```
Validate AutoSwap Group swapgrp failed: rrrr,ssss
```

Cause

The validate failed with return code and reason code. The group is termed an AutoSwap group means that the group is defined as swap capable. It does not imply anything about the current run-time state of the group.

Action

Review the return and reason codes and take the appropriate action. Also review the other messages that have been issued.

CGRP519E

```
AutoSwap Validate failed. CSC R15=xxxx R0=xxxx
```

Cause

An AutoSwap VALIDATE failed during an enable of a consistency group with a CSC error.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP520I

```
Adding Symm symmserial devices to AutoSwap group swapgrp
```

Cause

This message indicates the start of the process of adding ranges of devices on the indicated storage system to the indicated group.

Action

None.

CGRP521I

```
Symm devs symdv#-symdv# on RDF group srdfgrp added
```

Cause

A contiguous range of R1 devices has been added to the group indicated in message CGRP520I. The matching R2s are automatically determined by AutoSwap based on the indicated SRDF group number.

Action

None.

CGRP522E

```
AutoSwap Addrang call for swapgrp failed. CSC R15=rrrr,R0=ssss
```

Cause

A call to add a range of devices failed with return and reason codes.

Action

Review the return and reason codes and take the appropriate action.

CGRP523E

```
Devs symdv#-symdv#, RDF=srdfgrp1[,srdfgrp2] rr,ss
```

Cause

The indicated PowerMax or VMAX devices were not added. The SRDF group *srdfgrp1* is the one that was passed to the underlying component, AutoSwap, on the ADDRANGE call. If *srdfgrp2* is shown in the message, it appears for reference only (as the other of two concurrent SRDF groups). *rr* and *ss* are the CSC return and reason code.

Action

Review the return and reason codes and take the appropriate action.

CGRP524E

```
text [symmserial]
```

Cause

There was an error detected in CSC communication. The *text* for the JRRRS reason code is displayed and usually followed by the system serial number. Possible errors include:

- *x'01'* - AutoSwap not active
- *x'02'* - Request could not complete on: *symmserial*. The request was accepted by CSC, however, no listener was available to perform work on the request.
- *x'03'* - CSC active request timeout on: *symmserial*. AutoSwap was delayed beyond the cross-system timeout threshold. The owner host did not respond in this period of time.
- *x'04'* - CSC waiting request timeout on: *symmserial*. This value can be

returned when CSC has been unable to queue the request for processing due to Symmetrix scratch area shortage.

- x'05' - CSC Host request has been lost on: *symmserial*

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP525E

```
CSC has no access to controller symmserial
```

Cause

ConGroup is attempting to access the underlying component AutoSwap using the SCF Cross System Communication (CSC) component. However, CSC is not active on the storage system. This can occur if SCF has been started with an EXCLUDE list of all PowerMax or VMAX devices, or the CSC has not been activated. This message can occur when ConGroup has been initialized before or during the startup of SCF.

Action

Check to see if SCF and the CSC is active. The CSC can be verified using the CSC,DISPLAY,HOSTS command. If it is active, check to see if there are any additional messages produced by SCF to describe the reason for the failure.

The *ResourcePak Base for z/OS Product Guide* provides information about SCF.

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP526E

```
CSC Other JRRRS Error: rs
```

Cause

ConGroup is attempting to access AutoSwap using the SCF Cross System Communication (CSC) component. However, the CSC received an error identified reason *rs* in the message above.

The reasons (*rs* in hex) and their descriptions are as follows:

- 01 - No listener for function. The request was accepted by CSC, however no listener was available to perform work on the request.
- 02 - Processing is incomplete. The request was accepted by CSC and some work may have been performed by a listener.
- 03 - Active request timed out.
- 04 - Waiting request timed out. This value can be returned when the CSC has been unable to queue the request for processing due to PowerMax or VMAX scratch area shortage.
- 05 - Host request has been lost.
- 06 - No host located for request. This could be returned for a specified host target request, or if the current host is the only one registered for a TARGET=ALLEXCL request.
- 07 - Invalid request- internal error.

- 08 - Request cancelled.
- 09 - CSC has lost communication with the storage system after the was specified.
- 0a - CSC has lost (or never had) communication with the storage system. and one of the FAIL=NACC conditions was specified. The CSC was unable to queue the request for processing.
- 0b - A multi system signal cannot be processed as the listener on the target storage system is not defined as CTRL=ALL.

Action

Check to see if SCF and the CSC is active. The CSC can be verified using the CSC,DISPLAY,HOSTS command. If it is active, check to see if there are any additional messages produced by SCF to describe the reason for the failure.

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP527I

```
CG cnggrp Trip detected after AutoSwap swap.
```

Cause

A trip condition was detected after a completed swap. The condition is ignored. This is most likely to occur after a manual swap back, but before the group is re-enabled.

Action

None.

CGRP528I

```
CG cnggrp Old:ccuu,symdv# New:ccuu,symdv#
```

Cause

This is a trace message indicating old and new values for the ConGroup-AutoSwap lock. This message can be turned on or off with DEBUG.

Action

None.

CGRP529W

```
CG cnggrp Backing out trip processing
```

Cause

A trip process began after a swap process began but before the swap process completed. The trip process waited until the swap process completed and backed out. If the swap fails to reach a globally quiesced state, the trip continues normally.

Action

None.

CGRP530I

```
CG cnggrp HAS BEEN DISABLED DUE TO SWAP
```

Cause

The consistency group has been auto-swapped. ConGroup sets the status of the group to disabled, even though the original R1s (now swapped to the R2s) still have the consistency

group-enabled attribute at the device level on the storage system.

Action

None.

CGRP531W

```
CG cnggrp trip waiting pending AutoSwap action
```

Cause

A trip has begun, but is stalled waiting for the completion or failure of an in-process swap.

Action

None.

CGRP532W

```
Command Queued for ALL-CONGROUPTS Lock
```

Cause

A command was entered with the WAIT subparameter and the command processor detected that the ALL-CONGROUPTS lock was already held by another process. This message is issued and the command waits for the lock to be released.

ALL-CONGROUPTS is an internal lock that serializes many global operations to ensure ConGroups integrity. It is used only if you set ConGroup MODE parameter to MULTI, which allows two or more consistency groups to communicate with each other. If you use the default MODE value of SINGLE, which prevents two or more consistency groups from communicating with each other, ConGroup has no reason to use (and does not use) ALL-CONGROUPTS.

Action

None.

CGRP533I

```
function Gatekeeper CUU ccuu Serial symmserial
```

Cause

ConGroup performed the indicated function using the referenced SCF gatekeeper device on the indicated storage system. *function* is one of the following functions: ENABLE, DISABLE, BCVSPLIT, BCVQUERY, RESUME, SUSPEND, CNFGRDF2, or CNFGRDF4.

Action

The message is informational and requires no further action. However, to avoid possible function failure, it is strongly advised to specify SCF gatekeepers that are not members of any ConGroup.

CGRP534E

```
CSC host not registered on symmserial
```

Cause

ConGroup is attempting to access AutoSwap using the SCF Cross System Communication (CSC) component. However, the CSC is not active on the current host. This can occur if SCF has been started with an EXCLUDE list of all PowerMax or VMAX devices, or the CSC has not been activated. This message can occur when ConGroup has been initialized before or during the startup of SCF.

Action

Check to see if SCF and the CSC is active. The CSC can be verified using the

CSC,DISPLAY,HOSTS command. If it is active, check to see if there are any additional messages produced by SCF to describe the reason for the failure. The *ResourcePak Base for z/OS Product Guide* provides a description of EMCSCF. Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP534I

```
{ENABLE|DISABLE|SUSPEND|BCVQUERY|BCVSPLIT}  
CUU ccuu symmserial {Local|Hop xxxxxxxx symmserial}
```

Cause

Indicates which gatekeeper (and optionally hoplist) is being used to carry out the specified function.

Action

None.

CGRP535E

```
text GK path unavailable to symmserial
```

Cause

There are no gatekeeper paths to a storage system that ConGroup needs access to. This typically means that SCF is unavailable.

text provides syscall details. For example, a *text* of QC 191 refers to syscall 191 (QuickConfig). This call is made periodically to determine if state changes in the storage system warrant further action. If the gatekeeper path is over which the syscall is to travel to the storage system is unavailable, then the message is issued.

Action

Stop or cancel ConGroup. Restart SCF and then restart ConGroup.

CGRP601E

```
ConGroup is busy, request rejected.
```

Cause

ConGroup is busy performing some other action. The action you requested is excluded until the previous action completes.

Action

Try your action after the current action completes.

CGRP602I

```
Moveowner/Takeover started
```

Cause

A MOVEOWNER or TAKEOVER command has been issued by a ConGroup instance on another LPAR. This message is generated to inform other participating ConGroup instances.

Action

None.

CGRP603I

```
RELOCK has been issued for single.  
or  
RELOCK has been issued with RELE.  
or  
Lock has been released.  
or  
RELOCK has completed.
```

Cause

A RELOCK command has been issued internally. The command waits for the lock to be released, and then issues the “released” and “completed” forms of the message.

Action

None required.

CGRP604I

```
ConGroup takeover has begun.
```

Cause

An operator has issued a TAKEOVER command.

Action

None.

CGRP605I

```
ConGroup moveowner has begun.
```

Cause

An operator has issued a MOVEOWNER command.

Action

None.

CGRP606I

```
Moveowner/Takeover has completed.
```

Cause

A MOVEROWNER or TAKEOVER command issued by a ConGroup instance has completed. This message is generated to inform other participating ConGroup instances.

Action

None.

CGRP607I

```
Global Refresh started
```

Cause

A REFRESH command issued by a ConGroup instance has started. This message is generated to inform other participating ConGroup instances.

Action

None.

CGRP608I

```
Global Enable started
```

Cause

An ENABLE command issued by a ConGroup instance has started. This message is generated to inform other participating ConGroup instances.

Action

None.

CGRP609I

```
Global Enable Complete
```

Cause

An ENABLE command issued by a ConGroup instance has completed. This message is generated to inform other participating ConGroup instances.

Action

None.

CGRP610W

```
Auto Refresh Disabled. Issue REFRESH manually if desired.
```

Cause

AUTO REFRESH=YES was specified in the configuration file and at least one CAX group was also defined. Auto refresh is not supported in this configuration because of the potentially disruptive effect of refreshing one or more CAX groups. The message is issued so that you can schedule a manual refresh when you choose.

Action

If you desire a refresh, issue the command manually.

CGRP611I

```
Initialization complete
```

Cause

ConGroup startup has occurred on an LPAR.

Action

None.

CGRP612E

```
AutoSwap Required, but no LFC
```

Cause

At least one CAX group was defined in the configuration file, but no valid CAX license feature code (LFC) was specified in ResourcePak Base.

Action

Remove the CAX group from the configuration file or supply a valid LFC to ResourcePak Base.

CGRP613W

```
At least one R2 encountered in group
```

Cause

A device group definition was encountered in the configuration file that contained at least one local R2. This condition is interpreted as an intentional specification of a potential complement group. The group is bypassed and no record of it is kept by ConGroup. If an

AutoSwap occurs and the bypassed group subsequently contains local R1s instead of local R2s, it will be recognized after a refresh or a restart of ConGroup.

Action

None.

CGRP614E

```
No Controllers Found
```

Cause

This message is issued during initialization when no valid Dell EMC Disk Controller exists to support the requested devices.

Action

Enable the controller(s), channel(s) and (or) path(s) or correct the devices specified then restart ConGroup. The *Consistency Groups for z/OS Product Guide* provides more information.

CGRP616E

```
groupname Enable Failed RSN rs
```

Cause

During an enable of the indicated RDF-ECA group, an error occurred. The RSN value is one of the following:

- 1 - SYNCLINKFAILURE was specified for the group, but at least one storage system could not support the request due to insufficiently high level of the operating environment.
- 2 - Inconsistent internal RDF-ECA flags.
- 3 - Group state manager was in a busy state. This is an internal error.

Action

One of the following:

- If the RSN code is 1, upgrade the operating environment to a level that supports this feature.
- For the RSN code 2, an internal hardware problem. Contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.
- For the RSN code 3, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.
- If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP617E

```
LFC Check on symmserial ({symmname|Unnamed Controller}), RS rs
```

Cause

Where *symmname* is the name of the storage system; if the storage system has been named through ResourcePak Base. The SRDF/S License Feature Code has not been installed in the ResourcePak Base initialization parameter file.

Action

Install the SRDF/S License Feature Code. Contact your Dell EMC representative for the correct License Feature Code.

CGRP618I

```
cngrp Resume in Progress. count Track Remaining
```

Cause

This message is issued every 10 seconds during a RESUME until there are no invalid tracks remaining. *count* is the current total number of invalid tracks for the group.

Action

None.

CGRP619E

```
ONLY 1 SRDF/S RMIR - SHARING NOT POSSIBLE
```

Cause

A device was encountered after it was already specified in a prior group. The current group had ALLOW_SHARED_R1S either specified or defaulted. The device had only one remote mirror, so there were no available mirrors to be protected by this second group.

Action

Remove the device from the second group and retry.

CGRP620I

```
jobname/stcname (jobnum/stcnum) registration_type LISTENER  
(sequence_number)
```

Cause

This message is issued as a result of an registration activity of a listener of a registration type.

Registration types are as follows:

- ALL-EVENTS
The listener is a passive listener to all events.
- ALL-EVENTS MASTER
The listener is a master listener to all events. If an ALL EVENTS master listener is registered, no other master listeners are allowed.
- CONGROUP *cngrp*
The listener is a passive listener for a particular consistency group.
- CONGROUP *cngrp* MASTER
The listener is a master listener for a particular consistency group.
- STOP/REFRESH
The listener is a passive listener for STOP and REFRESH events.
- STOP/REFRESH MASTER
The listener is a master listener for STOP and REFRESH events. Only one master is allowed for all STOP or REFRESH events.

Action

None.

CGRP621I

```
jobname/stcname(jobnum/stcnum) ASID(registration_type) LISTENER  
(sequence_number) UNREGISTERED
```

Cause

This message is issued as a result of an registration activity of a listener of a registration

type. The registration types are as follows:

- ALL-EVENTS
The listener is a passive listener to all events.
- ALL-EVENTS MASTER
The listener is a master listener to all events. If an ALL EVENTS master listener is registered, no other master listeners are allowed.
- CONGROUP *cngrp*
The listener is a passive listener for a particular consistency group.
- CONGROUP *cngrp* MASTER
The listener is a master listener for a particular consistency group.
- STOP/REFRESH
The listener is a passive listener for STOP and REFRESH events.
- STOP/REFRESH MASTER
The listener is a master listener for STOP and REFRESH events. Only one master is allowed for all STOP or REFRESH events.

Action

None.

CGRP623I

```
Dynamic Device {ADD|DELETE} Phase {1|2|3} cngrp  
Count: count RC: rc RS: rs
```

Cause

ConGroup properly added one or more dynamic devices or deleted one or more devices via the ADD or DELETE command respectively.

Where:

- {1|2|3} represents the processing phase of the ADD or DELETE requested.
- *cngrp* is the group name.
- *count* is the count of the number of devices processed.
- *rc* indicates the return code of the phase.
- *rs* indicates the reason code of the phase.

The following RC and RS codes are useful for Dell EMC Support use in case of an error.

RC and RS	Description
RC: 8	ADD or DEL failed
RC: 8 RS: 1	Bad serial number or CUU
RC: 8 RS: 2	DO_WHOAMI Failed
RC: 8 RS: 3	Error getting device number for CUU
RC: 8 RS: 4	UCB invalid for some reason
RC: 8 RS: 5	SCANUCB failed
RC: 8 RS: 6	Not a Dell EMC device
RC: 8 RS: 7	WHOAMI call failed
RC: 8 RS: 8	Serial number no good on DEVICES call
RC: 8 RS: 9	Symdevice validation failed
RC: 8 RS: 10	Symdevice call failed
RC: 8 RS: 11	Gatekeeper unavailable
RC: 8 RS: 12	Serial number not found
RC: 8 RS: 13	No valid mirrors found
RC: 8 RS: 14	No Current Symm supports requested RA group
RC: 8 RS: 15	Duplicate device
RC: 8 RS: 17	Group not found
RC: 8 RS: 18	Device not in congroup on DELETE
RC: 8 RS: 19	All specified devices (via CUU) were bypassed - path offline
RC: 8 RS: 20	SDAS Error - See previous error messages for detail

RC: 8 RS: 21 Device being added is not RDF-ECA clear. Dynamic Add of devices requires that the devices be RDF-ECA clear before being added. If this is not the case, the dynamic add request is rejected with this message and RC-RS combination. Use ECGUTIL to clear the devices being added and try again.

RC: 16 Timeout
RC: 20 Parse Error
RC: 20 RS: 1 Both CUUS and DEVICES specified
RC: 20 RS: 2 Neither CUUS nor DEVICES specified
RC: 20 RS: 3 Missing Parameters (other)
RC: 20 RS: 4 CUU and CNTRL invalid together CB failed

Action

None.

CGRP624E

```
Host host Failed. Reason: {reason_description|Unrecognized  
Error reason_code}
```

Cause

This message is issued on the system where a dynamic add or delete is submitted if an error on a remote system occurs during the dynamic function. If `Unrecognized Error reason_code` is displayed, there is no defined interpretive text.

Action

Depending on the host and reason, corrective action may be taken.

For example, if a dynamic add of a CUU is attempted and the reason `SCANUCB failed` is returned from one of the hosts, this normally means that the host in question does not have the CUU genned. This implies that the DEV form of the dynamic add should be used instead (since the DEV form has no dependence on UCBs).

If only return code and reason code are displayed (`reason_code`), then text is not available, and a call to Dell EMC Technical Support may be necessary to resolve the problem.

CGRP625E

```
Incompatible SCF version - CONGROUP ENDED!
```

Cause

ConGroup was attempting to connect to an incorrect version of SCF at startup. ConGroup was terminated immediately.

Action

Ensure you are using a supported SCF version for the version of ConGroup being started and retry.

CGRP634I

```
(subcode) GROUP cgrp text
```

Cause

This message reports on the steps in the progress of ConGroup-related processes such as startup, enabling, disabling, tripping, and so forth. Review CGRP634I messages in conjunction with other messages, especially message CGRP640I.

Normally, when ConGroup performs group functions, many CGRP634I messages are issued as the state of group(s) and their devices transition to a new set of conditions. They provide a chronological log of status changes that you may find useful when diagnosing unusual conditions. In some cases, intermediate CGRP634I messages may

provide reassurance of continued activity during lengthy periods of apparent inactivity, especially with large consistency groups.

In the following descriptions, “protected mirror” means that the definition of the group includes the mirror. It does not refer to the condition of the mirror.

subcode identifies the condition being reported. *text* defines a new state of a resource or group of resources, and represents a change from the last time the state was examined. If *text* shows that a condition is TRUE, this is a change from FALSE. If *text* shows that all resources are in a given state, this means that previously some or none were in that state.

The subcodes and texts are as follows:

- 1 - `Zero_Invalid_Tracks =TRUE` - All protected mirrors have zero invalid tracks. A synch required by a ConGroup resume was successful, and invalid tracks were eliminated. This message is issued when the state changes from having one or more invalid tracks to having none.
- 2 - `All_Mirrors_Synched =FALSE` - At least one protected mirror is now not synchronized with its R2.
- 3 - `All_Mirrors_Synched =TRUE` - All protected mirrors are now synchronized with their R2s. (Usually the result of a successful synchronization by SRDF Host Component.)
- 4 - `All_Mirrors_Ready =FALSE` - At least one protected mirror is now TNR (Target Not Ready); for example, when a link has broken.
- 5 - `All_Mirrors_Ready =TRUE` - All protected mirrors are now ready; for example, after a RESUME.
- 6 - `All_Mirrors_NR =TRUE` - All protected mirrors are now TNR (Target Not Ready); for example, when a link has broken.
- 7 - `All_Mirrors_NR =FALSE` - At least one protected mirror is now ready; for example, during a RESUME.
- 8 - `RDF-ECA armed on all devices` - All protected mirrors now have RDF-ECA mode set on them. This is usually the result of an ENABLE command being issued.
- 9 - `RDF-ECA disarming` - Some protected mirrors have RDF-ECA mode set, and the number is decreasing (usually during a DISABLE).
- 10 - `RDF-ECA arming` - Some protected mirrors have RDF-ECA mode set, and the number is increasing (usually during an ENABLE).
- 11 - `RDF-ECA disarmed on all devices` - No RDF-ECA-set mirrors in the group are armed. This is usually the result of a DISABLE command being issued.
- 12 - `RDF-ECA defined on no devices` - No protected mirrors in the group have RDF-ECA mode defined
- 13 - `RDF-ECA defined on all devices` - All protected mirrors in the group have RDF-ECA mode defined.
- 14 - `cnggrp is CG armed on all devices` - All protected mirrors in the group have the RDF-ECA mode protection bit set.
- 15 - `cnggrp has lost some CG protection` - Some protected mirrors have the RDF-ECA mode bit on; but, the number is decreasing.
- 16 - `cnggrp has gained some CG protection` - Some protected mirrors have the RDF-ECA mode bit on, but the number is increasing.

- 17 - *cnggrp* is CG disarmed on all devices - No protected mirrors in the group have the RDF-ECA mode bit set.
- 18 - RDF-ECA window open on some devs decreasing - The RDF-ECA window is open on some protected mirrors in the group, but is decreasing
- 19 - RDF-ECA win open on some devs - increasing - The RDF-ECA window is open on some protected mirrors in the group and is increasing.
- 20 - RDF-ECA window closed on all devices - The RDF-ECA window has closed on all protected mirrors in the group.
- 21 - RDF-ECA win timed out on at least one device - The RDF-ECA window timed out on at least one protected mirror in the group.
- 22 - RDF-ECA window open on all devices - The RDF-ECA window is open on all protected mirrors in the group.

Action

None.

CGRP635I

```
GROUP cnggrp Setting poll rate to nn
```

Cause

The periodic polling rate for the consistency group has been set to the indicated value. *nn* is the number of seconds between polling cycles for the group. The default is 15 seconds. The maximum value is 60 seconds.

ConGroup periodically polls all of the devices under its control to monitor them for various conditions. This message is issued at address space startup and whenever the poll rate changes. It temporarily changes to a fast poll rate during certain ConGroup functions (such as trip processing). It may also be manually set with the GRPSET command.

Action

None.

CGRP636I

Format 1:

```
cnggrp FBA Not Ready on Timeout set to {YES|NO}
```

Format 2:

```
cnggrp RECA set to {YES|NO}
```

Format 3:

```
cnggrp Not eligible for request
```

Cause

Format 1: The indicated FBA consistency group is not ready because of a Suspend_Retry_Timeout.

Format 2: The RECA for the specified consistency group has been set to Yes (the consistency group is running as an RDF-ECA mode group) or No (the consistency group is running as and IOSLEVEL mode group).

Format 3: The indicated consistency group is not eligible for the request made.

Action

None.

CGRP637I

```
Initiating seek sequence.
```

Cause

ConGroup is initiating a protocol to connect and synchronize with other ConGroup address spaces.

Action

None.

CGRP639I

Format 1:

(02) *cgrp* Starting polling threads

Format 2:

(03) *cgrp* Pollers Started

Format 3:

(04) *cgrp* Pollers Initialized

Cause

Format 1: The polling threads (one for each storage system) are starting for the indicated consistency group.

Format 2: All starting polling threads have been dispatched.

Format 3: All polling thread internal structures have been built.

Action

None.

CGRP640I

(*subcode*) GROUP *cgrp text*

Cause

This message reports when the state of a consistency group has changed. The text reflects the new state as detected by the group manager. Typically, this message corresponds to the start or end of a process or subprocess affecting the consistency group.

Process starts may be triggered by commands or external events (such as those described by message CGRP634I). Process ends can only correspond to specific external events. The CGRP640I messages are intended for backtracking events in case of error or unusual conditions.

The CGRP640I messages provide a chronological log of status changes, you can find them useful when you are diagnosing unusual conditions. Review them in conjunction with other messages, especially message CGRP634I.

In some cases, intermediate CGRP634I messages may provide reassurance of continued activity during lengthy periods of apparent inactivity, especially with large consistency groups.

subcode identifies the condition being reported. *text* defines a new state of a resource or group of resources, and represents a change from the last time the state was examined.

The following subcodes and texts are possible (all references to mirrors and devices refers to those mirrors and devices designated as part of a particular consistency group):

- 1 - Unused
- 2 - Group RECA Set/Clear/Set Started - During an RDF-ECA arming process, the group was found to have no mirrors with RDF-ECA mode defined. A sequence of setting, clearing and resetting is initiated.
- 3 - Group RECA Clear/Set Started - During an RDF-ECA arming process, the group was found to have RDF-ECA mode already defined on all mirrors. A sequence clearing and resetting is initiated.
- 4 - Group RECA Clear Started - During an RDF-ECA arming process, the

group was found to have a mix of RDF-ECA mode defined and undefined mirrors. A sequence clearing all mirrors is initiated.

- 5 - Group `cngrp` Not trippable. Aborting trip. - An RDF-ECA trip had begun, based on then current group state information. During the opening window phase of the trip, an error was encountered that showed at least one device in the group did not have RDF-ECA mode set. This is an untrippable situation. The trip is aborted. This situation is most likely when two or more ConGroups are running in single mode and an intentional trip is initiated on one LPAR while another LPAR independently disabled the group.
- 6 - Group RECA Set Complete - During an RDF-ECA arming process, the group was found to have become armed.
- 7 - Group RECA Clear Complete - During an RDF-ECA clearing process, the group was found to have become cleared.
- 8 - Group RECA Set Complete. Clear Starting - During a Set-Clear-Set process, the first set has completed.
- 9 - Clear Complete. Group RECA Set Started - During a Set-Clear-Set process, the final set process has started. This begins when RDF-ECA mode has been cleared from all mirrors.
- 11 - Initiating group window close - During a trip process, all mirrors have been detected to be not ready, and the close window process has been initiated.
- 14 - Trip Complete - During a trip process, all ECA windows have been closed. The trip process is complete.
- 17 - All windows open. Initiating suspend - During a trip process, all windows have been detected to be open. The suspend process has been started. Some windows needed to be opened by syscall.
- 18 - Initiating trip - opening windows - Some windows were detected to be open. A process to open the rest of the windows in the group has been initiated.
- 19 - All windows open. Initiating suspend - During a trip process, all windows have been detected to be open. The suspend process has been started. No windows needed to be opened by syscall.
- 21 - Initiating suspend. - During an IOSLEVEL trip, a suspend is started.
- 22 - SYNCLINKFAILURE Specified for Group. - During the Enable of an RDF-ECA group, the CAXOPTS SYNCLINKFAILURE option was detected. When trip event occurs, a swap will be triggered.
- 23 - Not Trippable or Trip Bypassed due to vaulting. - A trip-trigger event was detected, but the group was not trippable. This can be because the group was disabled (either by command or by external circumstances) and or the group has already tripped or swapped. ConGroup detected the orderly shutdown of a storage system and pre-emptively triggered an unplanned swap before a standard unplanned swap condition (No Paths or Intervention Required) occurred.
- 24 - Group not eligible for SYNCLINKFAILURE

- 25 - SYNCLINKFAILURE Trip Starting.
- 26 - Open windows found during startup. Ignoring.- A window is open before initialization is complete. Once initialized, the previously open windows will likely have closed. Depending on circumstances, there may also be invalid tracks. ConGroup will have disabled the devices and the group may be in an indeterminate state. It is the responsibility of the user to resume the group containing those devices to re-enable the group.

Action

For subcodes 1 through 4 and 6 through 19 - None. For subcode 5, ensure that the group is enabled before issuing a programmatic or SRDF Host Component trip of the consistency group.

CGRP641I

```
user (userid) ASID(asid) Initiating trip for cngrp
```

Cause

A trip was intentionally initiated by a program in another address space using the ConGroup PC routine API.

Where:

- *user* is the job name of STC name.
- *userid* is the job or STC number.
- *asid* is the ASID of the initiating address space.

Action

None.

CGRP642I

```
CLASS=FACILITY RESOURCE=EMC.CG.API.TRIP
```

Cause

Follow on message to CGRP641I. This message displays the RACF class and resource protecting the trip API.

Action

To prevent unauthorized users from tripping consistency groups, you must define this resource (EMC.CG.API.TRIP) to the facility class. Then, give only authorized users update authority to the resource.

CGRP643I

Format 1:

```
ACCESS ALLOWED
```

Format 2:

```
ACCESS ALLOWED - RESOURCE NOT PROTECTED
```

Format 3:

```
ACCESS ALLOWED (WARN MODE)
```

Format 4:

```
ACCESS DENIED
```

Cause

Format 1: The request to allow the trip request (described in CGRP641I) has been validated by the EMCSAFI security system.

Format 2: The Trip API is not been defined to the EMCSAFI security system. The

request has been allowed. If desired, set the security system to protect the Trip API.
Format 3: The request to allow the trip request (described inCGRP641I) has been allowed in warn mode. If desired, modify the EMCSAFI security system to allow the user full update access to the Trip utility.

Format 4: The request cannot be granted. The user does not have access to the Trip API. Set the EMCSAFI security system to grant access to the Trip API.

Action

See the actions specified for the message formats listed above. The *Consistency Groups for z/OS Product Guide* provides more information about the security system and the Trip API.

CGRP644E

```
SCF gatekeeper service not available.
```

Cause

During initialization of the Gatekeeper Server thread, a macro @EMCDASD REQUEST=GATEKEEPER failed with a return code of 96, which is SCF gatekeeper service not available. This is most likely due to running with a version of SCF older than 5.7.

Action

Contact Dell EMC Customer Support to obtain a current copy of the ResourcePak Base kit. Install the kit on your system.

CGRP645E

```
SDC @EMCDASD R1=nn
```

Cause

During initialization of the Gatekeeper Server thread, a macro @EMCDASD REQUEST=GATEKEEPER failed with the return code displayed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

CGRP650I

```
Ownership Moved To: smfid [system-name] From: smfid [system-name][this system]:
```

Cause

This message shows that ownership has moved from one SMFID to another. The system name is optional and may be blank.

Action

None.

CGRP651E

```
Invalid SMFID specified
```

Cause

This message is displayed when a MOVEOWNER command is issued, and one or both specified SMFID operands are invalid. ConGroup does not recognize the SMFID(s).

Action

Obtain the correct SMFID(s) and retry the command.

CGRP652E

```
Another ConGroup Connected to SCF
```

Cause

A ConGroup task was started using an SSID that another ConGroup is currently using to connect to SCF. The task ends.

Action

Use a different SSID configuration (`//SCF$nnnn DD DUMMY`) in the same LPAR and retry.

CGRP653E

```
Configuration File Mismatch jobname stepname - Shutting Down.
```

Cause

A newly starting ConGroup address space (A) is attempting to join an established multi-mode CG set (N). The configuration file read by A does not match the configuration file in use by N. The existing nodes (N) reject the seek request of A with a special CSC message instructing A to shut down. The determination of configuration equality is purely textual. It is based on a CRC calculation of the config file statements excluding comment lines that begin with an asterisk. The calculation is done independently at each node at startup and at refresh. The purpose of this error detection and shutdown consequence is to prevent unintentional CSC connection of unrelated ConGroup address spaces on different LPARs. If a dynamic add and (or) delete modify the running ConGroup configuration, the changes are not persistent. Dynamically added or deleted devices are not reflected in the new configuration. If a restart of ConGroup (or a refresh) occurs, the dynamic changes will be lost.

Because of this, once a dynamic add or delete is done, ConGroup will no longer permit a new ConGroup address space to join the network of existing connected ConGroup address spaces. This is because a new ConGroup could possibly be using a configuration file that does not match the running configuration. If a new ConGroup address space is started, it will be forced (by the other ConGroups) to shut down immediately. This is true for one or more connected ConGroup address spaces.

Action

If the new address space (A) is a legitimate prospective member of the CG set to which it is attempting to connect, the existing CG set needs to be refreshed in order to update the calculated configuration CRC value at each participating node. Then restart the failing ConGroup job or started task.

CGRP654E

```
Dynamic Add/Delete Failed
```

Cause

ConGroup was unable to add or remove one or more devices as requested.

Action

Determine the cause of the error (device, storage system, group name and (or) SRDF group specifications), then correct and retry.

CGRP655E

```
Incompatible ConGroup: smfid jobname - Shutting Down
```

Cause

The indicated ConGroup instance was attempting to join a complex of a different and incompatible version of ConGroup. The ConGroup attempting to join is terminated with this message.

Action

Run compatible ConGroup instances.

CGRP656E

Global Operation in Progress - Shutting Down

Cause

During startup ConGroup detected that the ALL-CONGROUPS lock is held. This indicates that a global operation, such as a global ENABLE or Autoverify, is in process. ConGroup was terminated immediately.

Action

Wait until the global function is completed and restart ConGroup.

CGRP657E

MOVEOWNER not allowed with shared R1s

Cause

A MOVEOWNER or TAKEOVER command was entered and ConGroup is configured to allow shared R1s. The command is ignored.

Action

Ensure ALLOW_SHARED_R1S is specified (or defaults) to NO in the configuration file and retry.

CGRP658E

ADD/DELETE not allowed with shared R1s

Cause

A dynamic ADD or DELETE command was entered and ConGroup is configured to allow shared R1s. The command is ignored.

Action

Ensure ALLOW_SHARED_R1S is specified (or defaults) to NO in the configuration file and retry.

CGRP659E

No CSC or no EMC controllers-Shutting Down

Cause

During startup ConGroup detected that either SCF or CSC is not running or there are no Dell EMC storage systems defined. ConGroup was terminated immediately.

Action

Check to see if SCF and the CSC is active. The CSC can be verified using the CSC,DISPLAY,HOSTS command. If it is active, check to see if there are any additional messages produced by SCF to describe the reason for the failure.

CGRP660E

CGSETnn SUBPARAMETER INVALID

Cause

User has failed to specify CGSETnn as a sub parameter of the MODE=MULTI parameter in the GLOBAL statement. ConGroup initialization is terminated.

Action

Specify the CGSETnn subparameter to the MODE parameter and restart ConGroup.

CGRP661E

```
Error connecting to SCF CSC-Shutting Down
```

Cause

During startup ConGroup detected an error when attempting to connect to SCF or CSC. ConGroup was terminated immediately.

Action

Check to see if there are any additional messages produced by SCF to describe the reason for the failure.

CGRP662E

```
No Meta Heads Specified on SYMM_DEV# Statement
```

Cause

A SYMM_DEV# statement was entered for FBA devices but no meta head was defined. If SYMM_DEV# is used, you must ensure that the meta heads are specified.

Action

Add the device number for the meta head in the SYMM_DEV# statement and restart ConGroup.

CGRP664E

```
SCF is Incompatible with ConGroup. Shutting Down.
```

Cause

This can be the case for two reasons:

- 1) The Mainframe Enablers versions are different. This is a standard administrative prohibition, or
- 2) The Mainframe Enablers versions are the same, but required inter-dependent programming in ConGroup and the SCF SRV environment is missing or incomplete. This usually only happens if a complex software change that logically spans both products is only partially applied.

Action

Ensure that the STEPLIBS in SCF and ConGroup are compatible. This generally means that any corequisite PTF pairs are correctly applied to both products and they are both recycled.

CGRP667E

```
MOVEOWNER not allowed: ALL-CONGROUPS
```

Cause

A MOVEOWNER command was not allowed to run due to the ALL-CONGROUPS lock being held.

Action

Retry the MOVEOWNER command after the ALL-CONGROUPS lock is released.

The owner of the ALL-CONGROUPS lock may be determined by entering the HTSLOCK QUERY command.

CGRP668E

CUU, NAME or SER not specified

Cause

Either CUU, NAME, or SER must be specified as keywords for the SYMM_DEV# statement.

Action

Specify either a CUU, NAME, or SER keyword parameter and retry. Refer to the Consistency Groups for z/OS Product Guide for details on the SYMM_DEV# statement.

CGRP669E

action not allowed during SHUTDOWN

Cause

The indicated action (for example, MOVEOWNER, TAKEOVER, or RESUME) is not allowed during shutdown.

Action

Try the action when ConGroup is not shutting down.

CGRP670I

Mode SINGLE Forcing Owner to Local SMFID *nnnn*

Cause

This message is issued if the single-LPAR mode (SINGLE) is specified or defaulted. The corresponding logic overrides any OWNER statement in the configuration file and the local SMFID *nnnn* will be used as OWNER.

Action

None.

CGRP671E

Duplicate SMFID Detected

Cause

A system with a duplicate SMFID has been detected during ConGroup startup. A ConGroup address space is required to have a unique SMFID. ConGroup initialization is terminated.

Action

Locate the LPAR with the duplicate SMFID and shut it down to change it to a unique SMFID.

CGRP673W

Trip of Group *cgrp* Not Allowed - no controllers.

Cause

This message is caused by trying to trip the consistency group and all devices in a storage system have been deleted.

Action

Either add a device(s) or do not trip the empty group.

CGRP674I

```
MODE=MULTI Config. CSC Activated.
```

Cause

MODE=MULTI was specified, and ConGroup activated the CSC (Cross System Communication) component.

Action

None.

CGRP674W

```
cgrp ccuu symm-serial is a gatekeeper.
```

Cause

The device from the indicated consistency group is a gatekeeper as specified or defaulted in the SCF initialization file. In an AutoSwap environment, this is undesirable since a swap of the group will swap the gatekeeper as well. Subsequent control operations by ConGroup may no longer function correctly.

Action

To avoid potential problems, reconfigure the SCF initialization file to ensure that devices managed by ConGroup are not specified or defaulted as gatekeepers.

CGRP675I

```
{STARTUP|SHUTDOWN|MOVEOWNER|TAKEOVER} Delayed for count seconds
```

Cause

This message indicate a temporary delay in the shown function due to necessary network-wide coordination between two or more ConGroup address spaces. Without such coordination, ConGroup operation could experience abnormal behavior.

Action

None.

CGRP676W

```
AT LEAST ONE UNQUALIFIED DEVICE IN GROUP
```

Cause

Indicates that the group contains at least one device that is not qualified to be included in a consistency group.

Message CGRP676W always follows message CGRP127W (which identifies an R2 device that was specified as an R1 device) and is followed by message CGRP515W (which indicates that the group was bypassed).

This is normal when complementary groups are defined (R1 to R2) and (R2 to R1). The R2-to-R1 group will be bypassed. Later, after an autoswap followed by SRDF Host Component personality swap and ConGroup REFRESH,FORCE command, the original group will get bypassed instead.

Action

None.

CGRP677I

```
NoAllowSystemsCountMismatch Ignored
```

Cause

The specified NoAllowSystemsCountMismatch CAX option is ignored. AllowSystemsCountMismatch is used instead.

Action

None.

CGRP751I

```
node CONNECTING
```

Cause

A ConGroup node is connecting to a multi-node (or single) group of ConGroups. It may be the only ConGroup.

If no other ConGroups are found, this message is followed immediately by CGRP761I. If other ConGroups are found, each ConGroup immediately issues message CGRP760I at the same time on its respective console. Every ConGroup in the new configuration issues this message (CGRP751I) at the same time.

Action

None.

CGRP752I

```
node PREVIOUSLY CONNECTED
```

Cause

If a CGRP751I message is issued and the connecting node has found other ConGroups, every already-running ConGroup is displayed as previously connected in a CGRP752I message on the entering node's console. The order of the CGRP751I and CGRP752I messages is meaningless.

Action

None.

CGRP753I

```
node DISCONNECTING
```

Cause

When a node leaves the network (by design or failure), a CGRP753I message naming the disconnecting node is issued independently at each remaining node at the same time.

Action

None.

CGRP760I

```
MULTI-NODE (2) NETWORK 00000119 ESTABLISHED
```

Cause

If two or more ConGroups form a network (and anytime that topology changes but continues to consist of two or more ConGroups) a CGRP760I message is issued at all ConGroups at the same time. Each message on each respective console contains the same node count and network ID.

Action

None.

CGRP761I

SINGLE NODE NETWORK ESTABLISHED

Cause

If a single node starts and finds no other nodes, or if a multi-node network decreases in size to one node, message CGRP760I is issued.

Action

None.

CGRP770W

CONGROUP *cgrp* UNUSABLE ON CURRENT SUBCHANNEL SET

Cause

The indicated consistency group cannot be identified in the indicated subchannel set.

Action

Check the device number and compare it to the current subchannel set.

CGRP771E

ALLOW_MSS(*n*[,*m*]) Does Not Include a '0' Value Specification

Cause

An ALLOW_MSS parameter was specified on a CONGROUP statement but it didn't include a '0' sub-parameter value (*n*) at a minimum. Initialization is terminated.

Action

Specify the '0' value (for example, ALLOW_MSS(0)) and restart.

CGRP772E

CONGROUP *cgrp* PAIR PARTNER ALREADY ACTIVE

Cause

Another group with the same pair name as the currently processed group is already scheduled for activation. The current group cannot be activated.

Action

Ensure that only one of the two paired consistency groups is eligible for activation.

CGRP773E

command not allowed without SCF

Cause

A command was issued that cannot be supported while SCF is unavailable.

Action

Re-issue the command when SCF is running.

CGRP799I

WAITING for other ConGroups to shut down.

Cause

When you shut down ConGroups in a multi-mode network, the ConGroup with the alphanumerically highest SMFID is the last to shut down. If you shut down the ConGroup with the highest SMFID before the other ConGroups shut down, the ConGroup application shuts down, but the address space remains up until the rest of the ConGroup instances shut down. You see this message while the other ConGroup instances are shutting down.

Action

None.

CGRP800I

Shutdown Complete

Cause

A ConGroup shutdown has occurred on an LPAR. This message is issued just before ConGroup terminates.

Action

None.

CGRP801I

ALL-CONGROUPS LOCK HELD - SHUTDOWN delayed up to 5 minutes.

Cause

A P *emccgrp* command was entered while the ALL-CONGROUPS lock is held. The stop will now be retried internally for up to 5 minutes while waiting for the ALL-CONGROUPS lock to clear so as to allow for a graceful stop. If the lock has not been cleared at the end of the 5 minutes a more forceful version of stop will end the ConGroup application.

Action

You may attempt to clear the ALL-CONGROUPS lock to shut down in less than 5 minutes. The most common cause is after AutoSwap because, after a swap, the ALL-CONGROUPS lock is intentionally left on. The normal process is then to manually delete the primary CAX group, which also frees the ALL-CONGROUPS lock (with the DAS DEL GRP command). This is not generally recommended, but in an emergency the z/OS Modify command may bring the ConGroup application down quickly: F *emccgrp*,STOP.

CGRP821I

SCF Configuration Changed

Cause

This message is issued by ConGroup when it is notified by SCF that the configuration has changed.

Action

None.

CGRP822I

CONTROLLER *symmserial* {Added|Deleted} Successfully
Name: *symmname* Ucode: *level*, Dev Count#: *count*, GK: *ccuu*

Cause

A storage system has been either added or deleted from the ConGroup configuration.

Action

None.

CGRP823W

CONTROLLER *symmserial* In Use. Delete Not Allowed.**Cause**

A #DELETE command of a storage system was attempted, but the storage system was in use. Consequently, the command was rejected.

Action

Retry after usage is quiesced.

CGRP824W

```
CONTROLLER symmserial {Already Added.|Not Visible to SCF.} Command Rejected.
```

Cause

A #ADD command to add a storage system failed for the indicated reason:

- **Already Added - SCF adds all storage systems it finds (based on the SCF initialization file).**
- **Not Visible to SCF - The specific storage system has not been included via the SCF initialization file, so ConGroup cannot add it.**

Action

Determine the cause of the error and retry if necessary.

CGRP825I

```
UCB for CUU(ccuu) text
```

Cause

This is a result of either a ConGroup PIN or UNPIN command where *ccuu* is the channel address of the device that is the object of the command *text* is one of the following statements:

- `pinned`
- `Pinned`
- `Pin Failed. CUU Not Found.`
- `Pin Failed: Already Pinned`
- `Pin Failed. UCBPIN Error.`
- `Pin Failed. Unknown Error.`
- `Unpinned`
- `Unpin Failed.`
- `Unpin Failed. CUU Not Found.`
- `Unpin Failed. Already Unpinned.`
- `Unpin Failed. UCBPIN Error.`
- `Unpin Failed. Unknown Error.`
- `Unpin Failed: Last Gatekeeper`

Action

For `Pin/Unpin Failed. CUU Not Found` specify a valid gatekeeper address, correct and retry.

For `Pin Failed: Already Pinned` no action is necessary as the gatekeeper was already pinned.

For `Unpin Failed: Last Gatekeeper` ConGroup will not allow the last gatekeeper path to be unpinned. No action is necessary.

For `Unpin Failed. Already Unpinned` no action is necessary as the gatekeeper was already unpinned.

For `UCBPIN Error` or `Unknown Error`, retry. If failure continues, contact Dell EMC Support.

CGRP997I

message-text

Cause

All CGRP997I messages are displayed for use by Dell EMC support personnel.

Action

Record message and have available for Dell EMC Customer Support, if an issue needs to be addressed.

CGRP998E

OWNERID missing from CAXOPTS name

Cause

The CAX options set name does not include the owner ID.

Action

Review the syntax and correct the options set specification.

CGRP999I

message-text

Cause

All CGRP999I messages display variable content and diagnostic data for use by Dell EMC support personnel.

Action

Record the messages and have them available for Dell EMC Customer Support, if an issue must be addressed.

ECGC0001

ConGroup Cleanup Utility Vv.r Ready

Cause

ECGUTIL, the ConGroup Cleanup utility, has been started and is ready.

Action

None.

ECGC000I

ConGroup Cleanup Utility Vv.r Ready

Cause

ECGUTIL, the ConGroup Cleanup utility, has been started and is ready.

Action

None.

ECGC001I

CLASS=*class* RESOURCE=*resource*

Cause

This is an informational message from ECGUTIL indicating the SAF authorization call parameters for the class and resource.

Action

No action is necessary. See the following message ECGC002I for results of the SAF call.

ECGC002I

message-text

Cause

This message shows the result of the previous SAF call (see message ECGC001I), such as 'ACCESS DENIED', 'DEFAULT ACCESS USED', 'ACCESS ALLOWED', etc.

Action

If the message indicates a failure when success is expected, check the access level of your user or contact your security department.

ECGC003E

Duplicate Group Name

Cause

ECGUTIL has encountered a duplicate instance of a group name being defined or used.

Action

Reedit the statement to use a correct, non-duplicate group name.

ECGC004E

Group Not Found for Add Device

Cause

ECGUTIL has found an ADD statement for a non-existent group.

Action

Either remove the ADD statement, if extraneous or correct the name of the group.

ECGC005E

Group Not Found for Set Group

Cause

The group name used in a SET GROUP statement was not previously defined with a DG statement.

Action

Either enter a DG statement to define the group specified or change the name of the group to a defined on in the SET GROUP statement.

ECGC006E

Transport Layer Error on Syscall.

Cause

An internal error.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

ECGC007E

At Least One Serial Number Invalid.

Cause

One or more of the serial numbers specified to ECGUTIL is incorrectly specified or does not exist.

Action

Check the serial numbers and enter them again.

ECGC100I

ConGroup Cleanup Utility *version-description* Ending

Cause

ECGUTIL has encountered a STOP command and is ending processing.

Action

None.

ECGU002I

Utility Now Accepting Console Commands

Cause

When the input stream ends without a STOP statement, ECGUTIL executes prior instream commands and then stops processing. If you do not enter STOP, ECGUTIL waits for further input from the console after executing any other instream commands.

Action

Enter required ECGUTIL command from the console or enter 'F jobname,STOP' command to complete ECGUTIL processing.

CHAPTER 5

TimeFinder Clone Mainframe Snap Facility

AEXT001E

DATASET NAME MISSING

Cause

Internal error - an allocation request was made without specifying the dataset name.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

AEXT002E

INVALID CHARACTERS IN DATASET NAME

Cause

The dataset name specified contains invalid characters.

Action

Re-specify the dataset name using valid characters. Valid characters are: A-Z, 0-9, @, #, \$, and period.

AEXT003E

MODEL DATASET NAME MISSING

Cause

Internal error - an allocation request was made without specifying the model (or pattern) dataset.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

AEXT004E

DATASET TYPE INVALID - *type*

Cause

Internal error - an allocation request was made for an unsupported dataset type.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

AEXT005E

NO SOURCE VOLUMES SUPPLIED

Cause

Internal error – no source volumes for the model dataset were specified.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

AEXT006E

NO TARGET VOLUMES SUPPLIED

Cause

No target candidate volumes for the new dataset were specified.

Action

Target candidate volumes must be supplied. Based upon the BCVONLY and DATAMOVERNAME parameters, they must also be appropriate type volumes.

AEXT007E

NOT ENOUGH TARGET VOLUMES SUPPLIED

Cause

The source dataset is contained on more volumes than were supplied as valid target candidate volumes.

Action

More target candidate volumes must be supplied. Based upon the BCVONLY and DATAMOVERNAME parameters, they must also be appropriate type volumes.

AEXT008E

AIX DATASET MISSING RELATE NAME

Cause

Internal error - an allocation request was made for an AIX cluster without supplying the base cluster name.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

AEXT009E

SIMPLEX DATASET HAS COMPONENT LIST

Cause

Internal error - a non-VSAM dataset is being allocated, but a list of component dataset names was also supplied.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for

applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

AEXT011E

COMPONENT DATASET TYPE INVALID - *type*

Cause

Internal error - an allocation request was made for an unsupported component dataset type. Only data and index component types are supported.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

AEXT012E

NO COMPONENT SOURCE VOLUMES SUPPLIED

Cause

Internal error - no source volumes for the model dataset component were specified.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

AEXT013E

NO COMPONENT TARGET VOLUMES SUPPLIED

Cause

No target candidate volumes for the new dataset component were specified.

Action

Target candidate volumes must be supplied. Based upon the BCVONLY and DATAMOVERNAME parameters, they must also be appropriate type volumes.

AEXT014E

NOT ENOUGH TARGET VOLUMES SUPPLIED

Cause

The source dataset is contained on more volumes than were supplied as valid target candidate volumes.

Action

More target candidate volumes must be supplied. Based upon the BCVONLY and DATAMOVERNAME parameters, they must also be appropriate type volumes.

AEXT015E

COMPONENT DATASET NAME MISSING

Cause

Internal error - an allocation request was made without specifying the component dataset

name.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

AEXT016E

INVALID CHARACTERS IN COMPONENT DATASET NAME

Cause

The component dataset name specified contains invalid characters.

Action

Re-specify the dataset name using valid characters. Valid characters are: A-Z, 0-9, @, #, \$, and period. The component dataset name is usually specified through the TARGET or RENAMEUNCONDITIONAL parameters.

AEXT017E

COMPONENT MODEL DATASET NAME MISSING

Cause

Internal error - an allocation request was made without specifying the model (or pattern) dataset.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

AEXT018E

COMPONENT AIX RELATE NAME PRESENT

Cause

Internal error - an AIX base cluster name was specified for the component of a VSAM cluster.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

AEXT019E

COMPONENT DATA CLASS NAME PRESENT

Cause

Internal error - a SMS data class name was specified for the component of a VSAM cluster.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

AEXT020E

COMPONENT MANAGEMENT CLASS NAME PRESENT

Cause

Internal error - a SMS management class name was specified for the component of a VSAM cluster.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

AEXT021E

COMPONENT STORAGE CLASS NAME PRESENT

Cause

Internal error - a SMS storage class name was specified for the component of a VSAM cluster.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

AEXT022E

UNABLE TO CREATE VTOCIX ON VOLUME *volser*

Cause

Internal error - an attempt to create a VTOC index on the volume failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

AEXT023E

NEW DATASET NAME ALREADY CATALOGED

Cause

The request to allocate a new dataset has failed because the dataset already exists in the system catalog.

Action

Change the dataset name to a new name or delete the existing dataset. You may also specify REPLACE(YES) with or without REUSE(YES) to automatically replace the existing dataset.

AEXT024E

EXTENTS ENDED WITH R15 = *rc*

Cause

Internal error - a call to the EXTENTS program ended with an unexpected return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

AEXT025E

```
EXTENTS ENDED WITH R15 = 0, NO OBJECTS
```

Cause

Internal error - a call to the EXTENTS program ended successfully, but no objects were returned.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

AEXT026E

```
EXTENTS ENDED WITH R15 = rc
```

Cause

Internal error - a call to the EXTENTS program ended with an unexpected return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

AEXT027E

```
EXTENTS ENDED WITH R15 = 0, NO OBJECTS
```

Cause

Internal error - a call to the EXTENTS program ended successfully, but no objects were returned.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

AEXT028E

```
EXTENTS ENDED WITH R15 = rc
```

Cause

Internal error - a call to the EXTENTS program ended with an unexpected return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

AEXT029E

```
EXTENTS ENDED WITH R15 = 0, NO OBJECTS
```

Cause

Internal error - a call to the EXTENTS program ended successfully, but no objects were returned.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

AEXT030E

```
EXTENTS ENDED WITH R15 = rc
```

Cause

Internal error - a call to the EXTENTS program ended with an unexpected return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

AEXT031E

```
EXTENTS ENDED WITH R15 = 0, NO OBJECTS
```

Cause

Internal error - a call to the EXTENTS program ended successfully, but no objects were returned.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

AEXT032E

```
NO EXTENTS FOUND ON SOURCE VOLUME volser
```

Cause

Internal error. The source dataset was not found on one of the volumes specified.

Action

This was validated prior to the request for allocation and should not occur. Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

AEXT033E

```
UCB FOR SOURCE VOLUME NOT FOUND volser
```

Cause

Internal error - unable to locate an online device with the indicated volser.

Action

This was validated prior to the request for allocation and should not occur. Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

AEXT034E

```
ERROR (rc) READING VVR ON volser
```

Cause

An error occurred while attempting to read the VVDS for the source dataset on the volume.

Action

First, verify that the VVDS on the volume is valid. This can be done by running an IDCAMS DIAGNOSE request. If the VVDS is fine, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

AEXT035E

```
ERROR (rc) READING VVR ON volser
```

Cause

An error occurred while attempting to read the VVDS for the source dataset on the volume.

Action

First, verify that the VVDS on the volume is valid. This can be done by running an IDCAMS DIAGNOSE request. If the VVDS is fine, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

AEXT036E

```
RAN OUT OF TARGET VOLUMES WITH SUFFICIENT SPACE IN THE SAME  
CONTROLLER
```

Cause

A volume with sufficient space was not found in the same storage system as the source volume. The site option of SAMEONLY(Y) is enabled and only volumes in the same storage system will be considered for allocation when a DATAMOVERNAME(NONE) is specified or implied.

Action

Make additional candidate volumes available, use a DATAMOVERNAME so the dataset can be allocated in another storage system, or change the site option of SAMEONLY to (N).

AEXT037E

```
CVAFVSM ALLOC RC: rc CVSTAT: stat-rc
```

Cause

CVAFVSM returned with an unexpected error while allocating space.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for

applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

AEXT038E

```
CVAFVSM RLSE RC: rc CVSTAT: stat-rc
```

Cause

CVAFVSM returned with an unexpected error while releasing space.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

AEXT039E

```
CVAFDSM IXADD RC: rc CVSTAT: stat-rc
```

Cause

CVAFDSM returned with an unexpected error while adding the target dataset to the VTOC index.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

AEXT040E

```
CVAFDSM IXDLT RC: rc CVSTAT: stat-rc
```

Cause

CVAFDSM returned with an unexpected error while removing the target dataset from the VTOC index.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

AEXT041E

```
CVAFDSM ALLOC RC: rc CVSTAT: stat-rc
```

Cause

CVAFDSM returned with an unexpected error while allocating space.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

AEXT042E

```
CVAFDSM RLSE RC: rc CVSTAT: stat-rc
```

Cause

CVAFDSM returned with an unexpected error while releasing space.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

AEXT043E

```
CVAFDIR WRITE RC: rc CVSTAT: stat-rc
```

Cause

CVAFDIR returned with an unexpected error while writing to the VTOC.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

AEXT044E

```
CVAFDIR RLSE INDEX RC: rc CVSTAT: stat-rc
```

Cause

CVAFDIR returned with an unexpected error while releasing the VTOC index buffers.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

AEXT045E

```
CVAFDIR RLSE MAP RC: rc CVSTAT: stat-rc
```

Cause

CVAFDIR returned with an unexpected error while releasing the VTOC index map buffers.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

AEXT046E

```
CVAFDIR RLSE IOAREA RC: rc CVSTAT: stat-rc
```

Cause

CVAFDIR returned with an unexpected error while releasing the VTOC index I/O area buffers.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the

problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

AEXT047E

```
CVAFDIR WRITE INDEX RC: rc CVSTAT: stat-rc
```

Cause

CVAFDIR returned with an unexpected error while writing to the VTOC index.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

AEXT048E

```
CVAFDIR WRITE MAP RC: rc CVSTAT: stat-rc
```

Cause

CVAFDIR returned with an unexpected error while writing to the VTOC index map.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

AEXT049E

```
VOLUME volser DOES NOT HAVE VTOCIX
```

Cause

The allocation by extent function requires that all of the target volume be managed with a VTOC index. This volume does not have a VTOC index.

Action

Choose a different volume or create and activate a VTOC index on this volume.

AEXT050E

```
NEW DATASET ALREADY ON TARGET VOLUME volser
```

Cause

The new target dataset already exists on this candidate volume.

Action

Erase the dataset from this volume or remove this volume from the list of candidate volumes.

AEXT051E

```
TARGET VOLUME LIST HAS SMS AND NON-SMS VOLUMES
```

Cause

The list of target candidate volume has both SMS and non-SMS volumes specified.

Action

For a non-SMS dataset, limit the target candidate volume list to non-SMS volumes. For a SMS dataset, limit the target candidate volume list to SMS volumes.

AEXT052E

```
ERROR (rc) WRITING VVR ON volser
```

Cause

An error occurred while writing the new VVR records to the VVDS on this volume.

Action

First, verify that the VVDS on the volume is valid. This can be done by running an IDCAMS DIAGNOSE request. If the VVDS is fine, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

AEXT053E

```
ERROR (rc) DELETING VVR ON volser
```

Cause

An error occurred while deleting the new VVR records from the VVDS on this volume.

Action

First, verify that the VVDS on the volume is valid. This can be done by running an IDCAMS DIAGNOSE request. If the VVDS is fine, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

AEXT054E

```
VSAM DATASETS MUST BE CATALOGED
```

Cause

Internal error - a request to create a VSAM dataset also indicated that the dataset should not be catalogued.

Action

VSAM datasets must be catalogued.

AEXT055E

```
COMPONENT CATALOG NAME DOES NOT MATCH THE CLUSTER CATALOG NAME
```

Cause

Internal error - the catalog name specified for the component must be the same as the catalog name specified for the cluster.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

AEXT056E

```
UNABLE TO DETERMINE CATALOG
```

Cause

Internal error - unable to locate the catalog for this dataset. A request to the EXTENTS program returned without being able to resolve the catalog name.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

AEXT057E

```
SOURCE VSAM FILE IS MISSING VVR RECORDS
```

Cause

An error occurred while attempting to read the VVR records for the source dataset.

Action

Action: First, verify that the VVDS for each of the source volumes is valid. This can be done by running an IDCAMS DIAGNOSE request. If the VVDS is fine, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

AEXT058E

```
IDCAMS RC: rc
```

Cause

An attempt to catalog the new target dataset failed.

Action

Review the supplied IDCAMS log and correct the error.

AEXT059E

```
IDCAMS RC: rc
```

Cause

An attempt to delete the new target dataset failed.

Action

Review the supplied IDCAMS log and correct the error.

AEXT060E

```
ABEND code DETECTED
```

Cause

An abend occurred while attempting to allocate a dataset.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

AEXT061E

```
CVAFDSM COUNT RC: rc CVSTAT: stat-rc
```

Cause

CVAFDSM returned an unexpected error while obtaining volume MAPDATA information.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the

problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

AEXT062E

```
ERROR ALLOCATING TO DDNAME RC: rc  
or  
INTERNAL DYNALLOC ERROR
```

Cause

Error from SVC 99 trying to use dynamic allocation.

or

Internal buffer overflow while building dynamic allocation parameter list.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

AEXT063E

```
UNABLE TO CREATE LMDB ON VOLUME volser
```

Cause

Unable to create the Logical Migrator Database on the indicated volume.

Action

Usually, this is because there is not enough contiguous space available on the volume. The LMDB requires 15 cylinders.

AEXT064E

```
NEW DATA SET NAME NOT CATALOGED
```

Cause

A request to synchronize a dataset failed because the dataset was not found in the catalog.

Action

Catalog the dataset, or correct the dataset name.

AEXT065E

```
CVAFDIR READ RC: rc CVSTAT: stat
```

Cause

CVAFDIR returned with an unexpected error while reading DSCBs.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

AEXT067E

```
CVAFVSM ALLOC RC: rc CVSTAT: stat
```

Cause

CVAFVSM returned with an unexpected error while allocating space.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

AEXT068E

```
CANNOT EXPAND INPLACE, SPACE NOT AVAILABLE
```

Cause

A request to synchronize a dataset failed because there is not enough space available on the volume.

Action

There are two possible reason that space may not be available. First, the space necessary for a new extent is not available on a volume. Second, an existing extent grew in size, making it physically larger and the corresponding new extent does not have enough free space adjacent to it in order to expand the extent.

AEXT069E

```
CVAFDSM MAPVOLUME RC: rc CVSTAT: stat
```

Cause

CVAFVSM returned with an unexpected error while mapping the volume space.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

AEXT070E

```
EXPAND SOURCE DATASET MISSING ON TARGET
```

Cause

When synchronizing a source dataset with a target dataset, the source dataset was found on more volumes than the target dataset.

Action

Ensure that the correct list of source and target volumes has been provided.

AEXT072E

```
EXTENT AT CYLO TRK0 (1)
```

Cause

When using extent allocation inside of the EMCALLOC module, creation of a format 1 DSCB is attempted. The error occurs when the relative track address for the extent that this DSCB describes is found to be 0.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

EDSS000I

```
EMCDSSU IS ALREADY RUNNING, CANNOT BE REENTERED
```

Cause

Internal error.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EDSS001S

```
OUTPUT LISTING DD STATEMENT () MISSING
```

Cause

The output log DD statement is missing from the JCL.

Action

Add the appropriate output log DD statement usually SYSPRINT. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EDSS002S

```
ERROR OPENING OUTPUT LISTING DD STATEMENT ()
```

Cause

An error occurred when opening the output log DD statement. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

Action

A z/OS error message should be available in the job log. Refer to the z/OS error message.

EDSS003S

```
INPUT DD STATEMENT () MISSING
```

Cause

The input DD statement is missing from the JCL.

Action

Add the appropriate input DD statement usually SYSIN.

EDSS004S

```
ERROR OPENING INPUT DD STATEMENT ()
```

Cause

An error occurred when opening the input DD statement.

Action

An z/OS error message should be available in the job log. Refer to that z/OS error message.

EDSS005I

```
MORE THAN TWO PARAMETERS WERE SUPPLIED TO EMC DFDSS, AUTOMATIC  
PASSTHROUGH TO ADRDSSU INVOKED
```

Cause

EMCDSSU is being invoked through the ADRDSSU API interface. This is not supported.

Action

None the request is automatically processed by ADRDSSU.

EDSS006I

AUTOMATIC PASSTHROUGH TO ADRDSSU REQUESTED

Cause

An override DD statement forcing pass through to ADRDSSU was detected in the JCL.

Action

None The request is automatically processed by ADRDSSU.

EDSS007S

EMCSNAPI VERSION IS NOT APPROPRIATE - FOUND xx NEEDED xx

Cause

The SNAPI interface available through SCF is not appropriate for this release of EMCDSSU.

Action

Ensure that the correct version of SCF is available. It may be necessary to supply a //SCF\$nnnn override DD statement to access the correct SCF.

EDSS008S

EMCSNAPI ERROR

Cause

An error occurred in the EMCSNAPI application.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EDSS020I

PARSE ERROR WITH ADRDSSU COMMAND INPUT

Cause

A keyword was encountered in parsing EMCDSSU input that was not recognized.

Action

Control will be passed to ADRDSSU and EMCDSSU will not execute. The EMCDSSU Parameters table in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information about supported EMCDSSU parameter keywords.

EMCSVLQC

Format 1:

EMC EMCQCAPI IS NOT A SUPPORTED VERSION, EMCQCAPI= x.x DESIRED=yy

Format 2:

EMC EMCQCAPI IS NOT AVAILABLE - SERVICE FAILED

Cause

Format 1: The version of the low level API (EMCQCAPI) is not supported by TimeFinder.
 Format 2: EMCQCAPI is not available. Probably SCF is not running or an SCF override (//SCF\$nnnn) identifies an SCF that is not running.

Action

Format 1: Ensure that license feature codes have been entered into SCF and that the correct version of Dell EMC TimeFinder is being used with the correct version of EMCQCAPI.

Format 2: Start SCF and ensure that the SCF override (//SCF\$nnnn) is correct (if present).

EQCA006E

```
SAICALL FC01 BAD RC, R15=rc, R0=value R1=value
```

Cause

A request to obtain device information about the source device has failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

“Symmetrix interface error codes” in the *TimeFinder/ Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA007E

```
SAICALL FC01 BAD RC, R15=rc, R0=value R1=value
```

Cause

A request to obtain device information about the target device has failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

“Symmetrix interface error codes” in the *TimeFinder/ Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA018E

```
SGEP(xxxx.xx.xx) BAD RC, 3E DATA value
```

or

```
SGEP(xxxx.xx.xx) I/O FAILED, DOIO RC rc
```

Cause

A syscall (xxxx.xx.xx) returned unexpected data during a call to get the extents pointer.
or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

“DOIO error codes” in the *TimeFinder/ Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA019E

```
SSEP(XXXX.XX.XX) BAD RC, 3E DATA value
```

or

```
SSEP(XXXX.XX.XX) I/O FAILED, DOIO RC rc
```

Cause

A syscall (XXXX.XX.XX) returned unexpected data during a call to set the extents pointer.

or

A syscall (XXXX.XX.XX) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

“DOIO error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA020E

```
RETR(GET) I/O FAILED, DOIO RC rc
```

or

```
RETR(GETLOCK) I/O FAILED, DOIO RC rc
```

or

```
RETR(GETLOCK) RETRY EXHAUSTED, COULD NOT GET LOCK
```

Cause

An I/O failed while trying to read the extents track, with the indicated return code.

or

An I/O failed while trying to obtain the extents track lock, with the indicated return code.

or

Repeated attempts to obtain the extents track lock have failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for assistance. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

“DOIO error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA021E

```
WEXT(PUT) I/O FAILED, DOIO RC rc
```

Cause

An I/O failed while trying to write the extents track, with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for assistance. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

“DOIO error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA022E

```
VETR(GET) EXTENT TRACK FORMAT ERROR - CODE=code
```

Cause

An I/O failed while trying to verify the extents track contents.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for assistance. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EQCA023E

```
SCCP(xxxx.xx.xx) BAD RC, 3E DATA value
```

or

```
SCCP(xxxx.xx.xx) I/O FAILED, DOIO RC rc
```

Cause

A syscall (*xxxx.xx.xx*) returned unexpected data during a call to check the active copy status.

or

A syscall (*xxxx.xx.xx*) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for assistance. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

“DOIO error codes” in the *TimeFinder/ Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA024E

```
RDCH RDC(64) FAILED, DOIO RC rc
```

Cause

An I/O to read the device characteristics failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for assistance. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

“DOIO error codes” in the *TimeFinder/ Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA025E

```
SREX(xxxx.xx.xx) BAD RC, 3E DATA value
```

or

```
SREX(xxxx.xx.xx) I/O FAILED, DOIO RC rc
```

Cause

A syscall (*xxxx.xx.xx*) returned unexpected data during a call to remove a copy extent.

or

A syscall (*xxxx.xx.xx*) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the

problem, contact the Dell EMC Customer Support Center for assistance. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. “DOIO error codes” in the *TimeFinder/ Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA027E

```
SCSI(XXXX.XX.XX) BAD RC, 3E DATA value  
or  
SCSI(XXXX.XX.XX) I/O FAILED, DOIO RC rc
```

Cause

A syscall (XXXX.XX.XX) returned unexpected data during a call to create a new session identifier.

or

A syscall (XXXX.XX.XX) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for assistance. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

“DOIO error codes” in the *TimeFinder/ Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA028E

```
SGSL|SGTL(XXXX.XX.XX) BAD RC, 3E DATA value  
or  
SGSL|SGTL(XXXX.XX.XX) I/O FAILED, DOIO RC rc
```

Cause

A syscall (XXXX.XX.XX) returned unexpected data during a call to get the active copy session list.

or

A syscall (XXXX.XX.XX) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

“DOIO error codes” in the *TimeFinder/ Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA029E

```
SRSI(XXXX.XX.XX) BAD RC, 3E DATA value  
or  
SRSI(XXXX.XX.XX) I/O FAILED, DOIO RC rc
```

Cause

A syscall (XXXX.XX.XX) returned unexpected data during a call to remove an existing session identifier.

or

A syscall (XXXX.XX.XX) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for

applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.
“DOIO error codes” in the *TimeFinder/ Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA030E

```
SEDV|SEEX(XXXX.XX.XX) BAD RC, 3E DATA value  
or  
SEDV|SEEX(XXXX.XX.XX) I/O FAILED, DOIO RC value
```

Cause

A syscall (XXXX.XX.XX) returned unexpected data during a call to establish a new copy extent.

or

A syscall (XXXX.XX.XX) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

“DOIO error codes” in the *TimeFinder/ Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA032E

```
{SCST|SCTT}(XXXX.XX.XX) BAD RC, 3E DATA value  
or  
{SCST|SCTT}(XXXX.XX.XX) I/O FAILED, DOIO RC rc
```

Cause

A syscall (XXXX.XX.XX) returned unexpected data during a call to check the track status.

or

A syscall (XXXX.XX.XX) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

“DOIO error codes” in the *TimeFinder/ Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA033E

```
SRPR(XXXX.XX.XX) BAD RC, 3E DATA value  
or  
SRPR(XXXX.XX.XX) I/O FAILED, DOIO RC rc
```

Cause

A syscall (XXXX.XX.XX) returned unexpected data during a call to remove protection from some tracks.

or

A syscall (XXXX.XX.XX) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for

applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. "DOIO error codes" in the *TimeFinder/ Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA034E

Format 1:

```
MAXIMUM OF count SESSIONS PER DEVICE EXCEEDED (DEV)
```

Format 2:

```
MAXIMUM OF count SESSIONS PER DEVICE EXCEEDED (XTNT)
```

Format 3:

```
MAXIMUM OF count SESSIONS PER DEVICE EXCEEDED (VDEV)
```

Format 4:

```
(SECL) UCODE REGISTRATION FAILED, PROBABLY SESSION COUNT EXCEEDED
```

Format 5:

```
(SEDV) UCODE REGISTRATION FAILED, PROBABLY SESSION COUNT EXCEEDED
```

Format 6:

```
(SEEX) UCODE REGISTRATION FAILED, PROBABLY SESSION COUNT EXCEEDED
```

Format 7:

```
(SENX) UCODE REGISTRATION FAILED, PROBABLY SESSION COUNT EXCEEDED
```

Format 8:

```
(SEVR) UCODE REGISTRATION FAILED, ROBABLY SESSION COUNT EXCEEDED
```

Format 9:

```
(SEMD) UCODE REGISTRATION FAILED, PROBABLY SESSION COUNT EXCEEDED  
- DEVICE dev#
```

Format 10:

```
MAXIMUM OF count SESSIONS PER DEVICE EXCEEDED (MVDEV)
```

Cause

The number of allowed sessions for that type has been exceeded. The maximum number of sessions varies depending on the session type.

Format 1, 4, 5, 9 - full device request - limit 4 sessions.

Format 2, 6, 7 - extent (dataset) request - limit 4 sessions.

Format 3, 8 - VDEV request - limit 8 sessions.

Format 10 - Multi-VDEV request - limit 128 sessions.

Action

Using the information provided by the message, submit again.

EQCA035E

```
EMCSAI HTRCE BAD RC, R15=xx R0=xx R1=xx EMCRC=xx EMCRS=xx
```

Cause

An attempt to write a host trace record failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EQCA036E

```
VETR(GET) EXTENT TRACK LOCK FORMAT UNSUPPORTED
```

Cause

The method used for locking the extent track is not supported by this release of TimeFinder software.

Action

Two different release levels of the software are being used on the same device. They are using different methods for locking the extent track. The newer release of software will support all known levels of extent track locking, and the older release should no longer be used.

EQCA037E

```
[({SEMD|SEMV|SRVR|SEVR|SEDV})] SOURCE EXTENT IS INDIRECT AND  
CANNOT BE COPIED
```

Cause

A TimeFinder operation is being attempted for a dataset which is the current target of an existing TimeFinder operation. A dataset may not be used as the source of a snap if it is currently the target of a snap.

Action

Wait until the current snap operation completes and try the snap operation again.

EQCA038E

```
SSSL(XXXX.XX.XX) BAD RC, 3E DATA value
```

or

```
SSSL(XXXX.XX.XX) I/O FAILED, DOIO RC rc
```

Cause

A syscall (XXXX.XX.XX) returned unexpected data during a call to log the SymmAPI-MF activity.

or

A syscall (XXXX.XX.XX) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for assistance. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. The *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA039E

```
SCPY(XXXX.XX.XX) BAD RC, 3E DATA value
```

or

```
SCPY(XXXX.XX.XX) I/O FAILED, DOIO RC rc
```

Cause

A syscall (XXXX.XX.XX) returned unexpected data during a call to log SymmAPI-MF activity.

or

A syscall (XXXX.XX.XX) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for assistance. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. “Symmetrix

interface error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA040E

```
RTR0 FAILED, DOIO RC rc
```

Cause

An I/O to read the R0 record failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. “DOIO error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA042E

```
SGSY(XXXX.XX.XX) BAD RC, 3E DATA value
```

or

```
SGSY(XXXX.XX.XX) I/O FAILED, DOIO RC rc
```

Cause

A syscall (XXXX.XX.XX) returned unexpected data during a call to log SymmAPI-MF activity.

or

A syscall (XXXX.XX.XX) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. “DOIO error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA043E

```
SCTP(XXXX.XX.XX) BAD RC, 3E DATA value
```

or

```
SCTP(XXXX.XX.XX) I/O FAILED, DOIO RC rc
```

Cause

A syscall (XXXX.XX.XX) returned unexpected data during a call to log SymmAPI-MF activity.

or

A syscall (XXXX.XX.XX) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation. “Symmetrix interface error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA044E

```
[ (SEMD) ] TARGET EXTENT IS PROTECTED AND CANNOT BE COPIED
```

Cause

The target dataset is protected by a concurrent copy session or a TimeFinder session. The target may not be replaced until the session terminates.

Action

Wait for the session to terminate and try again.

EQCA045E

```
UNABLE TO ACQUIRE STORAGE FOR I/O
```

Cause

Insufficient virtual storage was available for EMCCOPY.

Action

Check the region specification and re-submit the job.

EQCA046E

```
I/O ERROR READING TRACK IMAGE, SIOIOB RC nn, IOBRC nn
```

Cause

An I/O error occurred reading from the source dataset.

Action

The specified device must be online and there must be a path online to the device. Use the z/OS command DISPLAY PATH to view the device and path status. Use GTF to trace the I/O to the device. Save the output from GTF and from this job and contact the Dell EMC Customer Support Center.

EQCA047E

```
I/O ERROR WRITING TRACK IMAGE, SIOIOB RC nn, IOBRC nn
```

Cause

An I/O error occurred writing to the target dataset.

Action

The specified device must be online and there must be a path online to the device. Use the z/OS command DISPLAY PATH to view the device and path status. Use GTF to trace the I/O to the device. Save the output from GTF and from this job and contact the Dell EMC Customer Support Center.

EQCA048E

```
ESTABLISH EXTENT FAILURE RC=1700
```

Cause

An operating environment error was detected.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EQCA050E

```
{ADLK|AIDL|ASLK} I/O FAILED, RC rc RS rs
```

Cause

An I/O error was detected when attempting to acquire the source device lock.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EQCA051E

```
{ADLK|AIDL|ASKL} FAILED, RC rc RS rs
```

Cause

An error was detected when attempting to acquire the source device lock.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EQCA052E

```
{ADLK|AIDL|ASKL} FAILED, RC rc RS rs
```

Cause

An error was detected when attempting to acquire the source device lock.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EQCA053E

```
ADLK RETRY EXHAUSTED, COULD NOT GET DEVICE LOCK
```

Cause

Repeated attempts to acquire the device lock have failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EQCA054E

```
{RDLK|RSLK} I/O FAILED, RC rc RS rs
```

Cause

An I/O error was detected when attempting to release the source device lock.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EQCA055E

```
{RDLK|RSLK} FAILED, RC rc RS rs
```

Cause

An error was detected when attempting to release the source device lock.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EQCA056E

```
{RDLK|RSLK} FAILED, RC rc RS rs
```

Cause

An error was detected when attempting to release the source device lock.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EQCA057E

```
EMCSAI DEVS BAD RC, R15=xxxxxxxx, R0=xxxxxxxx R1=xxxxxxxx
```

Cause

An I/O error occurred while attempting to obtain device status information.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EQCA058E

```
DEVICE xxxxxxxx-cccccc IS IN MIGRATION MODE
```

Cause

A source or target device is currently in migration mode.

Action

Use a different device or wait until the device is no longer in migration mode.

EQCA059E

```
SGSS (xxxx.xx.xx) BAD RC, 3E DATA xxxxxx
```

or

```
SGSS (xxxx.xx.xx) BAD RC, I/O FAILED, DOIO RC rc
```

Cause

A syscall (xxxx.xx.xx) returned unexpected data during a call.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the

problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. “Symmetrix interface error codes” in the *TimeFinder/ Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA060E

```
REMOVE EXTENT FAILED WITH RC=1700
```

Cause

An operating environment error was detected.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EQCA062E

```
SCVS (xxxx.xx.xx) I/O FAILED, DOIO RC xxxxxxxx
```

or

```
SCVS (xxxx.xx.xx) I/O FAILED, DOIO RC xxxxxxxx
```

Cause

A syscall (xxxx.xx.xx) returned unexpected data during a call.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. “DOIO error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA063E

```
SEVR (xxxx.xx.xx) BAD RC, 3E DATA xxxxxxxx
```

or

```
SEVR (xxxx.xx.xx) I/O FAILED, DOIO RC xxxxxxxx
```

Cause

A syscall (xxxx.xx.xx) returned unexpected data during a call.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. “DOIO error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA064S

Format 1:

```
EMCSCF IS NOT AVAILABLE - SERVICE SAICALL FAILED
```

Format 2:

```
EMCSCF IS NOT A SUPPORTED VERSION, SCF=xxxx API=xxxx
```

Format 3:

```
EMCSCF SERVICE ERROR - R15: xxxxxxxx R0: xxxxxxxx R1: xxxxxxxx
```

Cause

The Dell EMC low level API program is unable to communicate with a corresponding version of Dell EMC address space.

Action

Use the appropriate version of the Dell EMC address space and rerun the job.

EQCA065E

```
NO SPACE AVAILABLE FOR EXTENT TRACK
```

Cause

The source device does not have room for an extent track.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EQCA066E

```
SAVD (xxxx.xx.xx) BAD RC, 3E DATA xxxxxxxx
```

or

```
SAVD (xxxx.xx.xx) I/O FAILED, DOIO RC xxxxxxxx
```

Cause

A syscall (xxxx.xx.xx) returned unexpected data during a call. The data includes an invalid return code.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. See also DOIO error codes in the *TimeFinder/Clone Mainframe Snap Facility Product Guide*.

EQCA067E

```
SQTD (xxxx.xx.xx) BAD RC, 3E DATA xxxxxxxx
```

or

```
SQTD (xxxx.xx.xx) I/O FAILED, DOIO RC xxxxxxxx
```

Cause

A syscall (xxxx.xx.xx) returned unexpected data during a call.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. "DOIO error codes" in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA068E

```
SRDS (xxxx.xx.xx) BAD RC, 3E DATA xxxxxxxx
```

or

```
SRDS (xxxx.xx.xx) I/O FAILED, DOIO RC xxxxxxxx
```

Cause

A syscall (xxxx.xx.xx) returned unexpected data during a call.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. "DOIO error codes" in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA069E

```
SGST (xxxx.xx.xx) BAD RC, 3E DATA xxxxxxxx
```

or

```
SGST (xxxx.xx.xx) I/O FAILED, DOIO RC xxxxxxxx
```

Cause

A syscall (xxxx.xx.xx) returned unexpected data during a call.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. "DOIO error codes" in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA070E

```
SRVS (xxxx.xx.xx) BAD RC, 3E DATA xxxxxxxx
```

or

```
SRVS (xxxx.xx.xx) I/O FAILED, DOIO RC xxxxxxxx
```

Cause

A syscall (xxxx.xx.xx) returned unexpected data during a call.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. "DOIO error codes" in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA073E

```
SQTV (xxxx.xx.xx) BAD RC, 3E DATA xxxxxxxx
```

or

```
SQTV(XXXX.XX.XX) I/O FAILED, DOIO RC XXXXXXXX
```

Cause

A syscall (XXXX.XX.XX) returned unexpected data during a call.

or

A syscall (XXXX.XX.XX) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. "DOIO error codes" in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA076E

```
INTERNAL COPY ERROR, R15=XXXXXXXX R0=XXXXXXXX R1=XXXXXXXX
```

Cause

An error occurred while using the internal track copy routine.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EQCA077E

```
INTERNAL PING ERROR, R15=XXXXXXXX R0=XXXXXXXX R1=XXXXXXXX
```

Cause

An error occurred while using the internal track resolve routine.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EQCA080E

```
SGMM(XXXX.XX.XX) BAD RC, 3E DATA XXXXXXXX
```

or

```
SGMM(XXXX.XX.XX) BAD RC, I/O FAILED, DOIO RC XXXXXXXX
```

Cause

A syscall (XXXX.XX.XX) returned unexpected data during a call.

or

A syscall (XXXX.XX.XX) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. "DOIO error codes" in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA081E

```
RETR(GETLOCK) DEVICE LOCK NOT HELD
```

Cause

When reading the extent track, the lock must be held. However, the lock was not held.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EQCA082E

```
RESTORE TO RAID10 DEVICE REQUIRES PATCH patch, CONTROLLER# symm-serial DEVICES srcvol, tgtvol ARE NOT APPROPRIATE FOR VIRTUAL RESTORE
```

Cause

A restore from a virtual device to a RAID 10 device was requested. But this feature requires an operating environment fix.

Action

Contact the Dell EMC Customer Support Center to have the operating environment fix applied.

EQCA083E

```
SRVD(xxxx.xx.xx) BAD RC, 3E DATA xxxxxxxx
```

or

```
SRVD(xxxx.xx.xx) BAD RC, I/O FAILED, DOIO RC xxxxxxxx
```

Cause

A syscall (*xxxx.xx.xx*) returned unexpected data during a call.

or

A syscall (*xxxx.xx.xx*) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. "DOIO error codes" in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA084E

```
SQSD(xxxx.xx.xx) BAD RC, 3E DATA xxxxxxxx
```

or

```
SQSD(xxxx.xx.xx) I/O FAILED, DOIO RC xxxxxxxx
```

Cause

A syscall (*xxxx.xx.xx*) returned unexpected data during a call.

or

A syscall (*xxxx.xx.xx*) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. "DOIO error codes" in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA085E

```
SQTR(XXXX.XX.XX) BAD RC, 3E DATA xxxxxxxx
```

or

```
SQTR(XXXX.XX.XX) I/O FAILED, DOIO RC xxxxxxxx
```

Cause

A syscall (xxxx.xx.xx) returned unexpected data during a call.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. “DOIO error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA086E

```
SRRS(XXXX.XX.XX) BAD RC, 3E DATA xxxxxxxx
```

or

```
SRRS(XXXX.XX.XX) I/O FAILED, DOIO RC xxxxxxxx
```

Cause

A syscall (xxxx.xx.xx) returned unexpected data during a call.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. “DOIO error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA087E

```
SGSX(XXXX.XX.XX) BAD RC, 3E DATA xxxxxxxx
```

or

```
SGSX(XXXX.XX.XX) I/O FAILED, DOIO RC xxxxxxxx
```

Cause

A syscall (xxxx.xx.xx) returned unexpected data during a call.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. “DOIO error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA088E

```
EMCSAI BCVQUERY BAD RC, R15=xxx R0=xxx R1=xxx EMCRC=xxx EMCRS=xxx
```

Cause

An I/O error occurred while attempting to obtain BCV device status information.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. "DOIO error codes" in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA089E

```
SRVB (xxxx.xx.xx) BAD RC, 3E DATA xxxxxxxx
```

or

```
SRVB (xxxx.xx.xx) I/O FAILED, DOIO RC xxxxxxxx
```

Cause

A syscall (xxxx.xx.xx) returned unexpected data during a call.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. "DOIO error codes" in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA090E

```
SRDE (xxxx.xx.xx) BAD RC, 3E DATA xxxxxxxx
```

or

```
SRDE (xxxx.xx.xx) I/O FAILED, DOIO RC xxxxxxxx
```

Cause

A syscall (xxxx.xx.xx) returned unexpected data during a call.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. "DOIO error codes" in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA091E

```
SAFD (xxxx.xx.xx) BAD RC, 3E DATA xxxxxxxx
```

or

```
SAFD (xxxx.xx.xx) I/O FAILED, DOIO RC xxxxxxxx
```

Cause

A syscall (xxxx.xx.xx) returned unexpected data during a call.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for

applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. “DOIO error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA092E

```
SRVK(XXXX.XX.XX) BAD RC, 3E DATA xxxxxxxx
```

or

```
SRVK(XXXX.XX.XX) I/O FAILED, DOIO RC xxxxxxxx
```

Cause

A syscall (xxxx.xx.xx) returned unexpected data during a call.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. “DOIO error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA093E

```
EVDL(XXXX.XX.XX) BAD RC, 3E DATA xxxxxxxx
```

or

```
EVDL(XXXX.XX.XX) I/O FAILED, DOIO RC xxxxxxxx
```

Cause

A syscall (xxxx.xx.xx) returned unexpected data during a call.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. “DOIO error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA094AI

```
ECA NOT SUPPORTED ON MICROCODE LEVEL level CONTROLLER# symm-serial
```

Cause

An operation is being performed that requires ECA. However, the current operating environment level does not support ECA.

Action

Contact the Dell EMC Customer Support Center.

EQCA094BI

```
ECA ON MICROCODE LEVEL level REQUIRES PATCH patch, CONTROLLER#  
symm-serial
```

Cause

An operation is being performed that requires ECA. The current operating environment

level does not support ECA until the required fixes are applied.

Action

Contact the Dell EMC Customer Support Center to have the operating environment fix applied.

EQCA094CI

```
ECA WITH RAID10 ON MICROCODE LEVEL level REQUIRES PATCH patch,  
CONTROLLER# symm-serial
```

Cause

An operation is being performed that requires ECA. However, the devices are RAID 10 and additional operating environment fixes are required.

Action

Contact the Dell EMC Customer Support Center to have the operating environment fix applied.

EQCA096E

```
{CMWS|CMWT} I/O FAILED, RC rc RS rs
```

Cause

An I/O error was detected when attempting to check the Dell EMC FASTMIRROR device lock.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EQCA097E

```
CMWS DEVICE IN USE BY ANOTHER PROCESS
```

Cause

The device is protected by another Dell EMC process. Dell EMC Fast Mirror and Dell EMC Compatible Flash are possibilities.

Action

Correct the action to use different devices. Devices protected by other Dell EMC processes may not be used with TimeFinder.

EQCA098E

```
SQLD(xxxx.xx.xx) BAD RC, 3E DATA xxxxxxxx
```

or

```
SQLD(xxxx.xx.xx) I/O FAILED, DOIO RC xxxxxxxx
```

Cause

A syscall (*xxxx.xx.xx*) returned unexpected data during a call.

or

A syscall (*xxxx.xx.xx*) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the

SYSLOG, the job log, and all relevant job documentation available. “Symmetrix interface error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA099E

```
UNABLE TO RESTORE, OTHER SESSIONS EXIST AT THE SOURCE DEVICE
```

Cause

An attempt is being made to restore a virtual device back to the original source device, but the source device contains other active sessions.

Action

Either cleanup and remove all other TimeFinder and virtual sessions prior to performing the restore or restore to another device.

EQCA100I

```
ADLK RETRY EXHAUSTED, NO CHANGE, STEALING DEVICE LOCKRETR(GETLOCK)  
RETRY EXHAUSTED, NO CHANGE, STEALING DEVICE LOCKADLK STEALING  
DEVICE LOCK, MORE THAN 22 MINUTES OLD AIDL STEALING DEVICE LOCK,  
MORE THAN 22 MINUTES OLD ASLK STEALING DEVICE LOCK, MORE THAN 22  
MINUTES OLD
```

Cause

Repeated attempts to acquire the device lock have failed. The lock will be overridden.

Action

None.

EQCA101E

```
UNABLE TO ESTABLISH, RESTORE SESSIONS EXIST AT THE SOURCE DEVICE
```

Cause

An attempt is being made to either:

- Create a new virtual device.
- Begin a snap. The source device contains an active restore session.

Action

You must wait for the restore to complete and then perform a cleanup operation on the source device.

EQCA104E

```
COVD DEVICE ccuu - volser IS NOT SUPPORTED
```

Cause

An operation was attempted on an internal COVD device. COVD stands for Cache Only Virtual Device. CODVs are diskless, cache-only devices, including virtual devices and thin devices

Action

Choose another device.

EQCA105E

```
SCPS(XXXX.XX.XX) BAD RC, 3E DATA xxxxxxxx  
or
```

```
SCPS (xxxx.xx.xx) I/O FAILED, DOIO RC xxxxxxxx
```

Cause

A syscall (xxxx.xx.xx) returned unexpected data during a call.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. “Symmetrix interface error codes” in the Dell *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA106E

```
SRPV (xxxx.xx.xx) BAD RC, 3E DATA xxxxxxxx
```

or

```
SRPV (xxxx.xx.xx) I/O FAILED, DOIO RC xxxxxxxx
```

Cause

A syscall (xxxx.xx.xx) returned unexpected data during a call.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. “Symmetrix interface error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA107E

```
SQSR (xxxx.xx.xx) BAD RC, 3E DATA xxxxxxxx
```

or

```
SQSR (xxxx.xx.xx) I/O FAILED, DOIO RC xxxxxxxx
```

Cause

A syscall (xxxx.xx.xx) returned unexpected data during a call.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. “Symmetrix interface error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA109E

```
SRPB (xxxx.xx.xx) BAD RC, 3E DATA xxxxxxxx
```

or

```
SRPB (xxxx.xx.xx) I/O FAILED, DOIO RC xxxxxxxx
```

Cause

A syscall (xxxx.xx.xx) returned unexpected data during a call.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. “Symmetrix interface error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA110E

```
TARGET DEVICE HAS VIRTUAL DEVICE ATTACHED
```

Cause

A TimeFinder request targets a device that has a virtual device (VDEV) attached.

Action

Either choose another target device or add a DATAMOVER parameter and it will be used to copy the dataset or volume.

EQCA111E

```
ORIGINAL STANDARD DEVICE HAS ACTIVE PERSISTENT RESTORE SESSION
```

Cause

An attempt is being made to restore a virtual device back to the original source device, but the source device contains other active sessions.

Action

Either cleanup and remove all other TimeFinder and virtual sessions prior to performing the restore or restore to another device.

EQCA112E

```
RTET I/O FAILED, DOIO RC xx
```

Cause

An I/O failed while trying to read the target extent track, with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. “Symmetrix interface error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA113E

```
WTET(PUT) I/O FAILED, DOIO RC xx
```

Cause

An I/O failed while trying to write the target extents track, with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the

problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. “Symmetrix interface error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA114E

```
SSCM(XXXX.XX.XX) BAD RC, 3E DATA xxxxxx  
or  
SSCM(XXXX.XX.XX) I/O FAILED, DOIO RC xx
```

Cause

A syscall (xxxx.xx.xx) returned unexpected data during a call to change the copy mode.
or
A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. “Symmetrix interface error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA115E

```
SCCS(XXXX.XX.XX) BAD RC, 3E DATA xxxxxx yyyy  
or  
SCCS(XXXX.XX.XX) I/O FAILED, DOIO RC xx
```

Cause

A syscall (xxxx.xx.xx) returned unexpected data during a call to create a clone session.
or
A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. “Symmetrix interface error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA116E

```
SECL(XXXX.XX.XX) BAD RC, 3E DATA xxxxxx  
or  
SECL(XXXX.XX.XX) I/O FAILED, DOIO RC xx
```

Cause

A syscall (xxxx.xx.xx) returned unexpected data during a call to establish a clone session.
or
A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. “Symmetrix interface

error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA117E

```
CLONE FEATURE REQUIRES 5X71 CODE OR HIGHER
```

Cause

A request has been made for a clone on a storage system that is not running the appropriate operating environment level to support clones.

Action

Try the request against a proper storage system, or have the operating environment upgraded to support the clone feature.

EQCA119E

```
DEVICE syndv# FAILED TO GO NOTREADY, RC: rc R0: r0 R1: r1
```

Cause

An attempt was made to make a clone device not ready and the request failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EQCA120E

```
DEVICE syndv# FAILED TO GO READY, RC: rc R0: r0 R1: r1
```

Cause

An attempt was made to make a clone device ready and the request failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EQCA121E

```
UNABLE TO DETERMINE CLONE SESSION FOR DEVICES syndv#-syndv#
```

Cause

A split request failed because the clone session could not be determined for the device pair.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for assistance. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EQCA124E

```
UNABLE TO RE-ESTABLISH CLONE SESSION FOR DEVICES syndv#-syndv#,  
SPLIT NOT COMPLETE
```

Cause

An attempt to re-establish a device pair failed because the background split has not completed.

Action

Wait a bit and try the request again. After the split has completed, the re-establish should work.

EQCA125E

```
DEVICE symdv# FAILED TO BE RELEASED, RC: rc R0: r0 R1: r1
```

Cause

An attempt was made to release the hold on a clone device and the request failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for assistance. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EQCA126E

```
EMCSAI SYMDEVICE BAD RC, R15=xx R0=xx R1=xx EMCRC=xx EMCRS=xx
```

Cause

An error was detected when requesting SYMDEVICE API information.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for assistance. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EQCA127E

```
UNABLE TO DETERMINE REMOTE DA FOR SYSCALL EXECUTION -xx-xx-xx-
```

Cause

Unable to determine the remote DA to be used for syscall execution.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EQCA128E

```
UNABLE TO DETERMINE REMOTE DA FOR SYSCALL EXECUTION -xx-xx-xx-
```

Cause

Unable to determine the remote DA to be used for syscall execution.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EQCA130E

```
UNABLE TO DETERMINE REMOTE DA FOR SYSCALL EXECUTION
```

Cause

Unable to determine a valid DA for a remote syscall request.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EQCA131E

```
SQLP (xxxx.xx.xx) BAD RC, 3E DATA xxxxxxx
```

or

```
SQLP (xxxx.xx.xx) BAD RC, I/O FAILED, DOIO RC xx
```

Cause

A syscall (xxxx.xx.xx) returned unexpected data during a call to query logpools.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. “Symmetrix interface error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA132E

```
SQDV (xxxx.xx.xx) BAD RC, 3E DATA xxxxxxx
```

or

```
SQDV (xxxx.xx.xx) I/O FAILED, DOIO RC xx
```

Cause

A syscall (xxxx.xx.xx) returned unexpected data during a call to query logpool devices.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation. “Symmetrix interface error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA133E

```
SCLP (xxxx.xx.xx) BAD RC, 3E DATA xxxxxxx
```

or

```
SCLP (xxxx.xx.xx) I/O FAILED, DOIO RC xx
```

Cause

A syscall (xxxx.xx.xx) returned unexpected data during a call to create a logpool.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for assistance. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. “Symmetrix interface error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA134E

```
SDLP (xxxx.xx.xx) BAD RC, 3E DATA xxxxxx
```

or

```
SDLP (xxxx.xx.xx) I/O FAILED, DOIO RC xx
```

Cause

A syscall (xxxx.xx.xx) returned unexpected data during a call to delete a logpool.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. “Symmetrix interface error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA135E

```
SZLP (xxxx.xx.xx) BAD RC, 3E DATA xxxxxx
```

or

```
SZLP (xxxx.xx.xx) I/O FAILED, DOIO RC xx
```

Cause

A syscall (xxxx.xx.xx) returned unexpected data during a call to change a logpool status.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation. “Symmetrix interface error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA136E

```
SLAD (xxxx.xx.xx) BAD RC, 3E DATA xxxxxx
```

or

```
SLAD (xxxx.xx.xx) I/O FAILED, DOIO RC xx
```

Cause

A syscall (xxxx.xx.xx) returned unexpected data during a call to add a device to a logpool.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. “Symmetrix interface error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA137E

```
SLRD(XXXX.XX.XX) BAD RC, 3E DATA XXXXXX
```

or

```
SLRD(XXXX.XX.XX) I/O FAILED, DOIO RC XX
```

Cause

A syscall (xxxx.xx.xx) returned unexpected data during a call remove a device from a logpool.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. “Symmetrix interface error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA138E

```
SLCD(XXXX.XX.XX) BAD RC, 3E DATA XXXXXX
```

or

```
SLCD(XXXX.XX.XX) I/O FAILED, DOIO RC XX
```

Cause

A syscall (xxxx.xx.xx) returned unexpected data during a call change the state of a device in a logpool.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation. “Symmetrix interface error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA139E

```
POOL NAME SPECIFIED poolname IS NOT DEFINED IN THIS SYMMETRIX
```

Cause

Internal API received a pool name that was not defined.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for

applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

EQCA142E

```
LOGPOOL FEATURE REQUIRES 5X71 CODE OR HIGHER
```

Cause

A request has been made for a logpool on a storage system that is not running the appropriate operating environment level to support logpools.

Action

Try the request against a proper storage system, or have the operating environment upgraded to support the logpool feature.

EQCA143E

```
OLSL ERROR OBTAINING LOGPOOL SELLOCK, RC=xxxxxxxx
```

Cause

An error occurred while attempting to obtain the log pool lock.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EQCA144E

```
XTAPF6AS AND XTAPF6SR MISMATCH
```

Cause

API parameter error.

Action

Correct the parameter values.

EQCA145E

```
XTAPF6SR SET FOR DEVICE THAT IS NOT R2
```

Cause

API parameter error.

Action

Correct the parameter values.

EQCA146E

```
XTAPF6SR SET, {XTAPR1UC|XTAPR1SD|XTAPR1FC}
```

Cause

API parameter error.

Action

Correct the parameter values.

EQCA147E

ERROR ENCOUNTERED WHILE SUSPENDING SNOW GROUP

Cause

An error was encountered while attempting to suspend the SRDF/A (snow) groups.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EQCA148E

ERROR ENCOUNTERED WHILE RESUMING SNOW GROUP

Cause

An error was encountered while attempting to resume the SRDF/A (snow) groups.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EQCA149E

WAIT 20 MINUTES FOR B/G COPY TO COMPLETE {ON DEVICE *dev#* SESSION *session-id*|FOR MULTI DEVICE LIST}

Cause

In order to proceed, the background copy must complete. After waiting 20 minutes, it still had not completed.

Action

Run QUERY VOLUMES report and check the status of the indicated device. After the number of protected tracks has dropped to zero, rerun the job.

EQCA152E

SESSION PENDING ACTIVATE NOT FOUND *symm-serial*

Cause

An activate is being attempted. All source devices must have a session that has been established but not activated. At least one source device did not have a session pending activate present.

Action

CLEANUP all of the source volumes and RERUN the PRESNAP and ACTIVATE.

EQCA155E

PERSISTENT RESTORE REQUIRED FOR MICROCODE LEVELS \geq 5X72

Cause

An attempt to perform a restore (not persistent) from a VDEV was attempted. The operating environment level is 5772 or later and does not support the non-persistent restore.

Action

Rerun the restore with PERSISTENT(YES). After the restore is complete, you may STOP SNAP to the VDEV in order to remove the VDEV session (which would have occurred

automatically with PERSISTENT(NO)).

EQCA156E

TARGET DEVICE HAS TF/CLONE EMULATION SESSION

Cause

The target device is a member of a TF/Mirror, Clone Emulation session.

Action

Either choose another device or terminate the Clone Emulation session and try again.

EQCA157E

TARGET DEVICE HAS FLASHCOPY SESSION

Cause

The target device has a FlashCopy session active.

Action

Either choose another device or wait for the FlashCopy session to terminate (or use FlashCopy Withdraw) and try again.

EQCA158E

UNABLE TO PROCEED, SOURCE DEVICE IS AN ACTIVE CLONE EMULATION BCV

Cause

The source device is a member of a TimeFinder/Mirror, Clone Emulation session.

Action

Either choose another device or terminate the Clone Emulation session and try again.

EQCA159E

UNABLE TO ESTABLISH, TARGET DEVICE IS AN ACTIVE CLONE EMULATION BCV

Cause

The target device is a member of a TimeFinder/Mirror Clone Emulation session.

Action

Either choose another device or terminate the Clone Emulation session and try again.

EQCA165I

UNABLE TO FIND VIRTUAL SESSION FOR RESTORE

Cause

A RESTORE VDEV was requested. But the VDEV does not appear to be active with a session.

Action

Either choose another VDEV device to be restored or recreate the VDEV desired.

EQCA166E

SLDD(XXXX.XX.XX) BAD RC, 3E DATA xxxxxx

or

SLDD(XXXX.XX.XX) I/O FAILED, DOIO RC nn

Cause

A syscall (xxxx.xx.xx) returned unexpected data during a call to drain or undrain a device in a logpool.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. “Symmetrix interface error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA167E

LOG POOL FEATURE REQUIRES 5X72 CODE OR HIGHER

Cause

A CONFIGPOOL DRAIN or CONFIGPOOL UNDRAIN request has been attempted on a device that is not running Engenuity 5772 or a later level of the operating environment.

Action

The CONFIGPOOL DRAIN or CONFIGPOOL UNDRAIN commands are not supported on earlier levels of the operating environment.

EQCA168E

SCDI (xxxx.xx.xx) BAD RC, 3E DATA xxxxxx

or

SCDI (xxxx.xx.xx) I/O FAILED, DOIO RC nn

Cause

A syscall (xxxx.xx.xx) returned unexpected data during a call to check the indirect status of a device.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. “Symmetrix interface error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA169E

AIDL FAILED, RC xx

Cause

Unable to acquire indirect device lock.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EQCA170E

```
EMCSAI SDDFGETB BAD RC, R15=xxxxxxxx R0=xxxxxxxx R1=xxxxxxxx  
EMCRC=xxxxxxxx EMCRS=xxxxxxxx EMCRCX: xxxxxxxx
```

Cause

An error occurred while obtaining the SDDF bit map.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

EQCA171E

```
RESTORE DEVICE IS ALREADY A TARGET DEVICE
```

Cause

The restore operation is targeting a device that is already a target device.

Action

Either use STOP SNAP to clear the device and make it available or choose another target device.

EQCA172E

```
[ {SEDV|SEMD|SENF|UINT} ] TARGET DEVICE HAS EXTENT LEVEL INDIRECT  
TRACKS
```

Cause

An establish was attempted and the target device has some extent level indirect tracks that cannot be automatically cleaned up.

Action

The extent level indirect tracks must be cleaned up before the establish can occur. This cleanup must be run from a LPAR that is locally channel attached to the device. The CLEANUP statement must be run using either the UNIT or the VOLSER parameter. It will not correct the problem if the SYMDV# parameter is used.

EQCA173E

```
SLDD (xxxx.xx.xx) DRAIN FAILED, PROTECTED TRACKS (1B)
```

Cause

An attempt to drain a log device failed because the device has some protected tracks on it.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

EQCA174E

```
SSRC (xxxx.xx.xx) BAD RC, 3E DATA xxxxxx
```

or

```
SSRC (xxxx.xx.xx) I/O FAILED, DOIO RC nn
```

Cause

A syscall (xxxx.xx.xx) returned unexpected data during a call to perform a single restore or

a single split star.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation. “Symmetrix interface error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA175E

```
{SCVS|SCMV} (xxxx.xx.xx) RC=04, INVALID LOG POOL
```

Cause

An attempt to create a VDEV failed because an invalid log pool was specified.

Action

Correct the log pool and try again.

EQCA176W

```
REQUEST NOT SUPPORTED WITH NATIVE EXTENTS
```

Cause

A request to format the extent track was attempted on a device that is using native extents.

Action

Do not run a DESTROY statement against a device that is using native extents.

EQCA177E

```
SOURCE DEVICE (xxxx) RACF PROTECTED
```

Cause

An RACF security rule has been defined to protect this source device. This user does not have READ access authority to the device.

Action

Either contact the security administrator to obtain read access authority to the device or choose another source device.

EQCA178E

```
TARGET DEVICE (xxxx) RACF PROTECTED
```

Cause

An RACF security rule has been defined to protect this target device. This user does not have UPDATE access authority to the device.

Action

Either contact the security administrator to obtain update access authority to the device or choose another target device.

EQCA179E

```
TDEV DEVICE ccuu-volser IS NOT SUPPORTED
```

Cause

A TDEV device was specified, it is not supported.

Action

Choose another device.

EQCA180E

```
(SENF) I/O ERROR ESTABLISHING FLASHCOPY EXTENTS xxxxxxxx
```

Cause

The FlashCopy Establish failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EQCA181E

```
(SWNF) I/O ERROR WITHDRAWING FLASHCOPY EXTENTS xxxxxxxx
```

Cause

The FlashCopy Withdraw failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EQCA182E

```
SGEP( xxxx.xx.xx) EXTENT POINTER SET, INTERNAL FLAG SET TOO
```

Cause

An indication that both external and internal extent are being used at the same time.

Action

Contact Dell EMC Customer Support.

EQCA183E

```
{SECL|SEDV|SEMD|SENX} (xxxx.xx.xx) ESTABLISH FAILED MULTIPLE TIMES  
WITH RC=0X6D
```

Cause

The target extent overlaps an existing target extent. The existing target extent is native extents. An attempt to resolve the issue has failed.

Action

Wait and try the request again. If the problem persists, contact Dell EMC Customer Support.

EQCA185E

```
SAMD( xxxx.xx.xx) BAD RC, 3E DATA xxxxxxx  
or  
SAMD( xxxx.xx.xx) I/O FAILED, DOIO RC nn
```

Cause

A syscall (xxxx.xx.xx) returned unexpected data during a call to activate a full device clone or clone emulation session.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation. “Symmetrix interface error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA186E

```
SEMD (xxxx.xx.xx) BAD RC, 3E DATA xxxxxx
```

or

```
SEMD (xxxx.xx.xx) I/O FAILED, DOIO RC nn
```

Cause

A syscall (xxxx.xx.xx) returned unexpected data during a call to establish a full device clone or clone emulation session.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. “Symmetrix interface error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA187E

```
SGMD (xxxx.xx.xx) BAD RC, 3E DATA xxxxxx
```

or

```
SGMD (xxxx.xx.xx) I/O FAILED, DOIO RC nn
```

Cause

A syscall (xxxx.xx.xx) returned unexpected data during a call to query session information.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. “Symmetrix interface error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA188E

```
SRMD (xxxx.xx.xx) BAD RC, 3E DATA xxxxxx
```

or

```
SRMD (xxxx.xx.xx) I/O FAILED, DOIO RC nn
```

Cause

A syscall (xxxx.xx.xx) returned unexpected data during a call to restore a clone or clone emulation session.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. “Symmetrix interface error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA189E

```
SSMD (xxxx.xx.xx) BAD RC, 3E DATA xxxxxx
```

or

```
SSMD (xxxx.xx.xx) I/O FAILED, DOIO RC nn
```

Cause

A syscall (xxxx.xx.xx) returned unexpected data during a call to split a clone emulation session.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation. “Symmetrix interface error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA190E

```
STMD (xxxx.xx.xx) BAD RC, 3E DATA xxxxxx
```

or

```
STMD (xxxx.xx.xx) I/O FAILED, DOIO RC nn
```

Cause

A syscall (xxxx.xx.xx) returned unexpected data during a call to terminate a clone or clone emulation session.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation. “Symmetrix interface error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA191E

```
SRVR (xxxx.xx.xx) BAD RC, 3E DATA xxxxxx
```

or

```
SRVR(XXXX.XX.XX) I/O FAILED, DOIO RC nn
```

Cause

A syscall (xxxx.xx.xx) returned unexpected data during a call to reestablish a virtual device session.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. “Symmetrix interface error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA192E

```
SCMD(XXXX.XX.XX) BAD RC, 3E DATA xxxxxx
```

or

```
SCMD(XXXX.XX.XX) I/O FAILED, DOIO RC nn
```

Cause

A syscall (xxxx.xx.xx) returned unexpected data during a call to set the copy mode for a clone or clone emulation session.

or

A syscall (xxxx.xx.xx) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. “Symmetrix interface error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA193E

```
DISKLESS DEVICE ccuu-volser IS NOT SUPPORTED
```

Cause

A request has been made to a diskless device for an operation that is not allowed.

Action

Correct the request to use a more appropriate device for the operation desired.

EQCA194E

```
VDEV DOES NOT SUPPORT THIS TYPE OF REQUEST
```

Cause

A request has been made to a VDEV that is not allowed. An example might be attempting to use a VDEV as a gatekeeper device.

Action

Correct the request and ensure that a VDEV is not being used as a gatekeeper device.

EQCA197E

```
(SAM) A SOURCE DEVICE HAS INDIRECTS AND CANNOT BE ACTIVATED
```

Cause

An activate operation failed because a source device has indirects.

Action

Wait until all source devices have completed the copy operations that they are part of. Then, retry the request.

EQCA197I

```
UNABLE TO FIND VIRTUAL SESSION TO RESTORE
```

Cause

A request to restore a virtual device failed because the virtual device session cannot be found.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

EQCA198E

```
SCMV(814F-0D) BAD RC, 3E DATA xxxxxx
```

or

```
SCMV(814F-0D) I/O FAILED, DOIO RC nn
```

Cause

A syscall (814F) returned unexpected data during a call to create a multi-virtual device session.

or

A syscall (814F) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. "Symmetrix interface error codes" in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA198I

```
PERSISTENT RESTORE REQUIRES PATCH patch, CONTROLLER# symm-serial
```

Cause

A persistent restore has been requested, but the operating environment support is not present.

Action

Contact the Dell EMC Customer Support Center to have the operating environment fix applied.

EQCA199S

```
ABEND xxxx OCCURRED
```

Cause

An internal abend occurred.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EQCA200E

```
SEMV(814F-0E) BAD RC, 3E DATA xxxxxxx
```

or

```
SEMV(814F-0E) I/O FAILED, DOIO RC rc
```

Cause

A syscall (814F) returned unexpected data during a call to establish a multi-virtual device session.

or

A syscall (814F) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation. “Symmetrix interface error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA201E

```
SAMV(814F-0F) BAD RC, 3E DATA xxxxxxx
```

or

```
SAMV(814F-0F) I/O FAILED, DOIO RC rc
```

Cause

A syscall (814F) returned unexpected data during a call to activate a multi-virtual device session.

or

A syscall (814F) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation. “Symmetrix interface error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA201I

```
RDF ERROR ENCOUNTERED (rc), I/O RETRIED
```

Cause

An SRDF error has occurred while issuing a remote syscall:

- 87-Remote request with no link available.
- 8C-Remote syscall failed.
- 9C-Timeout occurred during a multihop syscall.

Action

Verify the following:

- SRDF links to all storage systems in the hoplist are functioning correctly.
 - All storage systems in the hoplist are operational.
- Use the SRDF Host Component to query the status of the SRDF links and storage systems.

EQCA202E

```
(SEMD) ESTABLISH FAILED BECAUSE CASCADING LIMIT EXCEEDED
```

Cause

An establish operation failed because the number of cascading clone devices has been exceeded.

Action

See the *TimeFinder/Clone Mainframe Snap Facility Product Guide* for a description of cascading clone. At this time, no more than three devices may be involved in a cascading clone relationship. In order to create this new relationship, one of the cascading sessions involving these devices must be terminated.

EQCA205E

```
EMCSAI QUERY_RAID_5_6 BAD RC, R15=xxxxxxxx R0=xxxxxxxx R1=xxxxxxxx  
EMCRC=xxxx EMCRS=xxxx EMCRCX=xxxxxxxx
```

Cause

An error occurred while obtain RAID 5/6 device information.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EQCA207E

```
SRMD(9242.83) BAD RC, 3E DATA xxxxxx RESTORE OVER DEVICE HAS OTHER  
SESSIONS WHICH MUST BE REMOVED
```

Cause

A syscall (9242) returned unexpected data during a call to restore a device over another device. It indicates that sessions exist on the target device which must be removed before the restore can proceed.

Action

Examine the sessions on the target device and remove them.

EQCA208E

```
NO REMOTE ADAPTER AVAILABLE FOR OPERATION
```

Cause

A mainframe or open host adapter at a remote site is required for processing, but no adapters are available.

Action

An adapter must be defined to the remote site.

EQCA209E

```
SREM(9242.A6) BAD RC, 3E DATA xxxxxx
```

or

```
SREM(9242.A6) I/O FAILED, DOIO RC xx
```

Cause

A syscall (9242.A6) returned unexpected data during a call to reestablish a virtual device.

or

A syscall (9242.A6) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. “Symmetrix interface error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA210E

```
SSSMV(9242.A7) BAD RC, 3E DATA xxxxxx
```

or

```
SSSMV(9242.A7) I/O FAILED, DOIO RC xx
```

Cause

A syscall (9242.A7) returned unexpected data during a call to copy a virtual device.

or

A syscall (9242.A7) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. “Symmetrix interface error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA211E

```
SANX(9245.84.00) BAD RC, 3E DATA xxxxxx
```

or

```
SANX(9245.84.00) I/O FAILED, DOIO RC xx
```

Cause

A syscall (9245.84) returned unexpected data during a call to activate native extents.

or

A syscall (9242.84) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. “Symmetrix interface error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA212E

```
STMY(9242.A3) BAD RC, 3E DATA xxxxxx
```

or

```
STMY(9242.A3) I/O FAILED, DOIO RC xx
```

Cause

A syscall (9242.A3) returned unexpected data during a call to terminate virtual devices.
or

A syscall (9242.A3) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. "Symmetrix interface error codes" in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA213E

```
SAMY(9242.A2) BAD RC, 3E DATA xxxxxx
```

or

```
SAMY(9242.A2) I/O FAILED, DOIO RC xx
```

Cause

A syscall (9242.A2) returned unexpected data during a call to activate virtual devices.
or

A syscall (9242.A2) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. "Symmetrix interface error codes" in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA214E

```
SPRY(9242.A5) BAD RC, 3E DATA xxxxx
```

or

```
SPRY(9242.A5) I/O FAILED, DOIO RC xx
```

Cause

A syscall (9242.A5) returned unexpected data during a call to perform a persistent restore of a virtual device.
or

or

A syscall (9242.A5) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. "Symmetrix interface error codes" in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA215E

```
SEMY(9242.A1) BAD RC, 3E DATA xxxxxx
```

or

```
SEMY(9242.A1) I/O FAILED, DOIO RC xx
```

Cause

A syscall (9242.A1) returned unexpected data during a call to establish virtual devices.
or
A syscall (9242.A1) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. “Symmetrix interface error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA216E

```
REQUIRED PARALLEL CLONE FIX 52576 IS MISSING
```

Cause

The storage system is missing a required operating environment fix (# 52576).

Action

Contact Dell EMC Customer Support to have fix #52576 installed on the storage system.

EQCA217E

```
SOURCE VDEV NOT ESTABLISHED
```

Cause

An attempt has been made to copy a source virtual device to another device. The source virtual device has not been established

Action

Choose another device or establish the source virtual device.

EQCA218E

```
GQCV(0191.01.01) BAD RC, 3E DATA xxxxxx  
or  
GQCV(0191.01.01) I/O FAILED, DOIO RC xx
```

Cause

A syscall (0191.01.01) returned unexpected data during a call to obtain quick-config information.

or

A syscall (0191.01.01) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. “Symmetrix interface error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA219E

Format 1:

```
{SWND|SWNX} (9245.92.00) BAD RC, 3E DATA xxxxxx
```

Format 2:

```
{SWND|SWNX} (9245.92.00) I/O FAILED, DOIO RC xx
```

Cause

Format 1: A syscall (9245.92.00) returned unexpected data during a call to withdraw native extents.

Format 2: A syscall (9245.92.00) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EQCA220E

```
DEVICE symdv# CONTROLLER symm-serial IS NOT TARGET AND CANNOT BE UNLINKED
```

Cause

The indicated device is not linked and thus cannot be unlinked.

Action

Specify another device for the UNLINK action.

EQCA300E

```
ERROR RETURNED FROM LOOKUP SYSCALL, DATA3E=xxxxxxx
```

Cause

The snapshot name passed into the command was not found when a LOOKUP syscall was issued.

Action

Take one or more of the following actions:

- Ensure the snapshot name was correctly entered.
- Ensure that the source device is correctly specified.
- Issue a QUERY SNAPSHOT command on the source device to verify the snapshot exists and the snapshot name matches the name from the failing command.

EQCA301E

```
ERROR RETURNED FROM CREATE SYSCALL, DATA3E=xxxxxxx
```

Cause

A syscall to create a new snapshot failed and the snapshot was not created.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for assistance. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EQCA302E

```
ERROR RETURNED FROM ACTIVATE SYSCALL, DATA3E=xxxxxxx
```

Cause

A syscall to activate a snapshot has failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation. “Symmetrix interface error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA303E

```
ERROR RETURNED FROM LINK SYSCALL, DATA3E=xxxxxx
```

Cause

A syscall to link a snapshot has failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for assistance. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. “DOIO error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA304E

```
ERROR RETURNED FROM UNLINK SYSCALL, DATA3E=xxxxxx
```

Cause

A syscall to unlink a snapshot has failed.

Action

Take one or more of the following actions;

- Ensure that the snapshot intended to be unlinked is linked and has the correct snapshot name and source device specified
- Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center for assistance. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EQCA305E

```
ERROR RETURNED FROM TERMINATE SYSCALL, DATA3E=xxxxxx
```

Cause

A syscall to terminate a snapshot has failed.

Action

Take one or more of the following actions:

- Ensure the snapshot name and source device have been correctly specified.
- Ensure the specified snapshot is not in the LINKED state.
- Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation. “Symmetrix interface error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA306E

ERROR RETURNED FROM RENAME SYSCALL, DATA3E=xxxxxxx

Cause

A syscall to rename a snapshot has failed.

Action

Take one or more of the following actions:

- Ensure that the snapshot name and source device have been correctly specified
- Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation. “Symmetrix interface error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA307E

ERROR RETURNED FROM HARDLINK SYSCALL, DATA3E=xxxxxxx

Cause

A syscall to create a hardlink between a source and target device has failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation. “Symmetrix interface error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA309E

ERROR RETURNED FROM QUERY SYSCALL, DATA3E=nnnnnn

Cause

While attempting to issue a snapshot query, an error was returned from the syscall that disallowed us to complete the request.

Action

As a workaround, try to query a subset of the original device or CUU range. Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EQCA310E

NO SNAPSHOTS FOUND FOR PROCESSING ON DEV#: *symdv#*

Cause

A LOOKUP syscall was issued to gather information about a snapshot for processing, but the LOOKUP did not find any snapshots with the specified name on the source device.

Action

Take one or more of the following actions:

- Issue a QUERY SNAPSHOT command to ensure the source device has a snapshot with the name specified.
- Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation. “Symmetrix interface error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA311E

SNAPVX FEATURE REQUIRES 5X77 CODE OR HIGHER

Cause

The SnapVX command was issued to a storage system with an operating environment level earlier than 5x77.

Action

Run the commands on a storage system with operating environment level 5x77 or later.

EQCA312E

ERROR RETURNED FROM UPDATE EXPIRATION, DATA3E=xxxxxxx

Cause

A syscall to update a snapshot expiration has failed.

Action

Ensure that the snapshot name and source device have been correctly specified. Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation. “Symmetrix interface error codes” in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

EQCA313I

LOOKUP FOUND 0 SNAPSHOTS FOR PROCESSING

Cause

The snapshot which name and source volume was provided by the user does not exist.

Action

Run a QUERY SNAPSHOT command on the source volume to ensure you have specified the snapshot name.

EQCA314E

ERROR, SOFT AND HARMLINKS NOT ALLOWED ON SAME DEVICE
RC=xxxxxxx/xxxxxxxxx

Cause

The user attempted to mix hardlinks and softlinks to the same device.

Action

Ensure only either hardlinks or softlinks exist on the target device. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you

have the SYSLOG, the job log, and all relevant job documentation available.

EQCA315E

```
ERROR RETURNED FROM CREATE SYSCALL, RC=xxxx
```

Cause

An error occurred while trying to issue the CREATE command to the storage system.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EQCA317E

```
THE SNAPSHOT IS NOT IN A STATE IT CAN BE UNLINKED FROM. ENSURE  
SNAPSHOT IS LINKED.
```

Cause

The UNLINK command was issued against a snapshot that was not in a state that allows unlinking. Most likely the snapshot was not LINKED to at the time the UNLINK command was issued.

Action

Check the state of the snapshot, ensure the snapshot is linked before trying to unlink. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EQCA318E

```
SNAPSHOT SOURCE ALREADY TARGET RC=17004D/00080036
```

Cause

An attempt was made to create a differential snapshot with a target device which is already a source of a differential snapshot and is not allowed.

Action

Choose a target volume which is not already the source of a target snapshot.

EQCA31AW

```
ATTEMPTING TO TERMINATE A NON-EXISTING SNAPSHOT
```

Cause

The snapshot specified in the TERMINATE request does not exist.

Action

Correct the snapshot name and retry.

EQCA31DI

```
MAXIMUM OF 1024 TARGETS PER SNAPSHOT EXCEEDED
```

Cause

The maximum amount of targets for a snapshot is exceeded.

Action

UNLINK some targets or try another target device.

EQCA31EW

A SUCCESSFUL RETRY HAS BEEN ATTEMPTED DUE TO A DEVICE BEING EXPANDED

Cause

Several retries for a SNAP VOLUME or CREATE SNAPSHOT command took place because an involved device was being expanded.

Action

In case of a SNAP VOLUME command, source and target may have unequal size. Refreshing VTOC information on the target volume may be required.

In case of a CREATE SNAPSHOT command, the snapshot created for a device may have more cylinders than it originally had.

EQCA31FW

ATTEMPTING TO TERMINATE A NON-EXISTING SNAPSHOT, SOURCE DEVICE: *symdv#*, SNAPSHOT NAME: *snapshot_name*

Cause

The snapshot specified in the TERMINATE command with the snapshot name or source volume does not exist.

Action

Run a QUERY SNAPSHOT command on the source volume to verify the snapshot name or source volume. Specify the correct name or volume and retry.

EQCA31GE

HYPERMAX OS 5977 OR HIGHER SUPPORTS RESTORE STATEMENT TO THE ORIGINAL STANDARD ONLY, DEVICE *symdv#* CONTROLLER *symm-serial*

Cause

A RESTORE command was issued for one of the following:

- From a VDEV to a BCV that has been SPLIT from the original standard device that had a relationship with the virtual device.
- From a VDEV to a different standard device.

Action

Use the RESTORE command only to snap back (from a VDEV to the original standard device).

EQCA31IE

THE SECURE SNAPSHOT FEATURE IS NOT SUPPORTED, FIX 91128 IS REQUIRED

Cause

The storage system is missing a required operating environment fix (#91128).

Action

Issue the following command to check if the required fix has been installed on your system: `F emcscf,DEV,CH,CoNTRoLler(symm-serial)patch#`.

Contact Dell EMC Customer Support to have fix #91128 installed on the storage system.

EQCA31KE

ATTEMPTING TO CREATE A SECURE SNAPSHOT ON THE SYMMETRIX THAT IS OUT OF SRP

Cause

This message appears when attempting to create a secure snapshot but the SRP is out of available capacity.

1 to 80% of SRP capacity can be reserved for host I/O (the default is 10%). If the allocated capacity percentage is higher than '100% - reserved capacity %' (default is 90%), secure snapshot creation is blocked and this message appears.

Action

Check the SRP using the QUERY SRP command described in the *ResourcePak Base for z/OS Product Guide*. Review the allocated and reserved capacity percentages. If necessary, issue the SET SRP command with the RESV_CAP parameter to lower the reserved capacity percentage.

Free any unused volumes that has allocations in this SRP using the SnapVX FREE command to free some capacity, as described in the *TimeFinder SnapVX and zDP Product Guide*.

EQCA31LE

FREE FAILED, A REPLICATION SESSION EXISTS ON A TARGET DEVICE

Cause

A command with the FREE(YES) parameter was issued against a device that has other replication sessions. FREE processing cannot proceed when a replication session is open on a target device. This is most likely due to a Thin Reclaim (TRU) SDDF session.

Action

Terminate all existing sessions on the device and retry.

Check the TRU device statements in all active SCF tasks (specified using the SCF.TRU.DEV.INCLUDE.LIST statement) in the SCF initialization file(s) for the inclusion of any linked target devices.

To display the TRU status for a device, run the TRU DISPLAY DEVICE command. To disable TRU for a device, run the TRU STOP command. The *ResourcePak Base for z/OS Product Guide* describes these commands.

Re-submit the initial command with the FREE(YES) parameter after TRU is disabled for all of the target devices.

EQCA31ME

AN OPERATION WAS ATTEMPTED WITH A DEVICE THAT IS BEING EXPANDED

Cause

One of the following syscalls failed because an involved device is being expanded:

- Create hardlink
- Create snapshot
- Establish native extents

Action

Wait for the Dynamic Volume Expansion operation to complete and rerun the job.

EQCA320I

DEVICE *symdv#* IS NOT A TARGET

Cause

A CONFIG command with the MODE parameter was issued, but the specified target device is not linked (not a valid target).

Action

Check the device range specified for the CONFIG command and retry.

EQCA322E

```
FREE IS IN PROGRESS
```

Cause

The devices are in the process of FREEing.

Action

Wait for the FREE action to complete and retry.

EQCA322I

```
RDF CHECK ERROR DETECTED
```

Cause

This message indicates parallel clone SRDF (invalid tracks) check error.

Action

None.

EQCA323I

```
EMC SNAP API - WAIT UNTIL TARGET DEVICE IS FULLY DEFINED
```

Cause

The Snap API is waiting for full definition of the target device.

Action

None.

EQCA324E

```
Target is not linked with following snapshot (snapshot_name)
```

Cause

The STOP SNAP TO VOLUME command with the NAME parameter was issued against a device which has no linked snapshot with the specified name.

Action

Check the state of the snapshot. Ensure the snapshot is linked before trying to unlink. The snapshot should not be hardlinked.

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EQCA327E

```
WAITFORCOMPLETION(R1R2SYNC) IS NOT SUPPORTED, REQUIRES MICROCODE  
LEVEL 5978.354 OR HIGHER
```

Cause

The R1R2SYNC option was specified with the WAITFORCOMPLETION parameter under an operating environment level that does not support R1R2SYNC.

Action

Rerun the command without R1R2SYNC specified.

EQCA900I

ACTIVATE STARTING

Cause

An activate was requested and it is starting.

Action

None

EQCA901I

ACTIVATE PENDING, REPLY GO TO CONTINUE

Cause

An activate was requested with the parameter MESSAGE(prompt).

Action

Reply GO to the outstanding console request.

EQCA902I

ACTIVATE COMPLETED

Cause

An activate was requested and it has completed.

Action

None

EQCA903I

ACTIVATE EXTENT STARTING

Cause

An activate was requested and it is starting. Some extents are being processed so ECA is not available.

Action

None

EQCA904I

ACTIVATE EXTENT PENDING, REPLY GO TO CONTINUE

Cause

An activate was requested with the parameter MESSAGE(prompt).

Action

Reply GO to the outstanding console request.

EQCA910W

DEVICE BEING RECONFIGURED, POSSIBLE EXTENDED DELAY IN PROCESSING

Cause

A source or target device is in the process of being reconfigured. TimeFinder waits until the reconfiguration is complete. This may delay processing.

Action

None.

EQCA920I

```
ECA FOR CONTROLLER# symm-serial HELD FOR elapsedtime SECONDS ON  
count DEVICE(S)
```

Cause

This is an informational message requested by the MESSAGE(DETAILS) parameter on the ACTIVATE statement. There will be one statement for each storage system where ECA is raised.

Action

None.

EQCA921I

```
SNOW FOR CONTROLLER# symm-serial HELD FOR elapsedtime SECONDS ON  
RAGROUP srdfgrp [TAG msctag]
```

Cause

This is an informational message requested by the MESSAGE(DETAILS) parameter on the ACTIVATE statement. There will be one statement for each storage system where SRDF/A is suspended.

Action

None.

ESNP001S

```
OUTPUT LISTING DD STATEMENT (ddname) MISSING
```

Cause

The specified DDNAME is missing from the JCL. This file is required for further processing.

Action

Correct the run JCL and submit again.

ESNP002S

```
ERROR OPENING OUTPUT LISTING DD STATEMENT (ddname)
```

Cause

Unable to open the specified file.

Action

A z/OS message should accompany this message. The z/OS message indicates the type of problem encountered with this file.

ESNP003S

```
INPUT DD STATEMENT (ddname) MISSING
```

Cause

The specified DDNAME is missing from the JCL. This file is required for further processing.

Action

Correct the run JCL and submit again.

ESNP004S

```
ERROR OPENING INPUT DD STATEMENT (ddname)
```

Cause

Unable to open the specified file.

Action

A z/OS message should accompany this message. The z/OS message indicates the type of problem encountered with this file.

ESNP005S

```
EMC SCF IS NOT AVAILABLE - EMCSNAP IS NOT AVAILABLE
```

Cause

The Dell EMC server address space is not available.

Action

Start the Dell EMC server address space.

There is a special DD statement that may affect the way this works, //SCF\$*nnnn* DD DUMMY. If this DD statement is used in the SCF JCL, then an identical dd statement must be used in the batch job in order for the batch job to properly identify and locate the SCF. If the SCF JCL does not have any such DD statement, then the batch job must also not have any SCF\$ DD statement.

ESNP006S

```
ERROR, INCORRECT PARM2 VALUE PASSED TO EMCSNAP
```

Cause

An API call was made to EMCSNAPI and either: (1) the parameter pointer was not terminated; or (2) parameter #2 is not formatted correctly.

Action

Examine the calling parameter list and ensure that: (1) the parameter pointer is terminated; and (2) parameter #2 is formatted correctly.

ESNP010I

```
BEGINNING COMMAND PARSE
```

Cause

Input command file processing is beginning.

Action

None.

ESNP011I

```
PARSING STATEMENT # number
```

Cause

Parsing of the next input command is beginning.

Action

None.

ESNP012E

```
INVALID COMMAND SPECIFIED
```

Cause

The command specified in the input is not recognized.

Action

Use a command which is valid for this utility program.

ESNP013E

SOURCE DATASET NAME OR INDDNAME MUST BE SPECIFIED

Cause

The SNAP DATASET command requires a source file. It may be specified using the SOURCE or INDDNAME parameters.

Action

Specify the source dataset name or DD name.

ESNP014E

TARGET DATASET NAME OR OUTDDNAME MUST BE SPECIFIED

Cause

The SNAP DATASET command requires a target file. It may be specified using the TARGET or OUTDDNAME parameters.

Action

Specify the target dataset name or DD name.

ESNP015E

SOURCE VOLSER, UNIT OR INDDNAME MUST BE SPECIFIED

Cause

The SNAP VOLUME command requires a source volume. It may be specified using the SOURCE VOLSER, SOURCE UNIT or INDDNAME parameters.

Action

Specify the source volume.

ESNP016E

TARGET VOLSER, UNIT OR OUTDDNAME MUST BE SPECIFIED

Cause

The SNAP VOLUME command requires a target volume. It may be specified using the TARGET VOLSER, TARGET UNIT or OUTDDNAME parameters.

Action

Specify the target volume.

ESNP017I

COMMAND PARSE COMPLETE

Cause

Parsing of the input command file is complete.

Action

None.

ESNP018E

PARSE COMPLETED WITH ERRORS, RUN TERMINATED

Cause

An error was detected while parsing the input commands.

Action

Correct the previously identified errors and submit again.

ESNP019W

```
NO COMMANDS ENCOUNTERED, RUN TERMINATED
```

Cause

No commands were encountered while parsing the input command file.

Action

Add a command and submit again.

ESNP020I

```
Z/OS SUPPORT FOR SNAPSHOT DETECTED
```

Cause

Indicates that IBM SNAPSHOT support is installed and enabled for this system.

Action

None

ESNP023I

```
Z/OS SUPPORT FOR FLASHCOPY DETECTED
```

Cause

The support was found in the operating system. The message was issued before any statements were parsed. EMCSNAP does support FlashCopy on IBM devices. And it does support FlashCopy on storage systems with FlashCopy enabled. The message just means that the support is present, not that any devices were found with the feature enabled.

Action

None.

ESNP024I

```
Z/OS SUPPORT FOR FLASHCOPY V2 DETECTED
```

Cause

Indicates that IBM FLASHCOPY V2 support is installed and enabled for this system.

Action

None

ESNP025E

```
GATEKEEPER VOLSER OR UNIT MUST BE SPECIFIED WHEN SYMDV IS USED AS  
SOURCE AND TARGET
```

Cause

SOURCE(SYMDV#(##)) and TARGET(SYMDV#(##)) have been specified, but the REMOTE or LOCAL gatekeeper parameter is missing.

Action

Add the gatekeeper information - specify the necessary REMOTE or LOCAL gatekeeper parameter.

ESNP026I

```
WARNING ** EMCSNAP API V&CODE_VLR INVOKED BY EMCSNAP APPLICATION V
```

Cause

The stub program (EMCSNAP) is at a different maintenance level than the SCF that is being used.

Action

Ensure that the EMCSNAP program is at the same maintenance level as SCF. Usually this is a problem if EMCSNAP has been copied from the Dell EMC distribution library into a LINKLIST dataset.

ESNP027E

```
IMPROPER USE OF SOURCE VOLSER, UNIT OR INDDNAME WITH SYMDV#  
SPECIFIED
```

Cause

The source device number has been specified with SYMDV# - SOURCE(SYMDV#()). That is not allowed to be mixed with SOURCE(VOLSER()) or SOURCE(UNIT()) or INDDNAME().

Action

If you are using SYMDV#, then you must remove the SOURCE VOLSER(), UNIT() or INDDNAME() parameters. You cannot mix them.

ESNP028E

```
IMPROPER USE OF TARGET VOLSER UNIT, OR OUTDDNAME WITH SYMDV#  
SPECIFIED
```

Cause

The source device in an operation was specified as an internal PowerMax or VMAX device number through the SYMDV# parameter; but, the target device was not specified using SYMDV#. (You will also normally see the ESNP087E message.)

Action

If you are using the SYMDV# parameter, you must use it throughout the operation. Recast the target device specification as an internal PowerMax or VMAX device number through the SYMDV# parameter.

ESNP02AE

```
USAGE OF SCFGROUP WITH  
UNIT/VOLUME/DEVICE/CUU/CONTROLLER/GPOUP/BCVGROUP/STORAGE  
GROUP/LOCAL/REMOTE OPTION IS RESTRICTED
```

Cause

A QUERY VOLUME command was issued with the SCFGROUP parameter specified together with one of the indicated keywords, which is not allowed.

Action

Use the following syntax to specify an SCF (GNS) group: QUERY VOLUME (SCFGROUP (*scfgroup*))

ESNP030E

```
SOURCE AND TARGET VOLUME MUST RESIDE WITHIN THE SAME SYMMETRIX
```

CONTROL UNIT

Cause

The source and target volume for a SNAP VOLUME command must reside within the same storage system.

Action

Ensure that both the source and target volumes for a SNAP VOLUME command reside in the same storage system, or specify a data mover in the parameters. The *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information about the data mover.

ESNP031E

SOURCE AND TARGET VOLUME MUST BE THE SAME DEVICE TYPE

Cause

The source and target volume for a SNAP VOLUME command must be the same device type. For instance, a 3380 source device can only be snapped to a 3380 target device.

Action

Choose a target volume which is the same device type as the source volume.

ESNP032E

SOURCE AND TARGET VOLUME MUST HAVE THE SAME TRACK SIZE

Cause

The track sizes of the source and target volumes are different.

Action

Choose a target volume where the track size is the same as the track size of the source volume.

ESNP033E

SOURCE TRACK SIZE: *size* TARGET TRACK SIZE: *size*

Cause

This message immediately follows message ESNP032E. This message identifies the actual track size detected for the source and target volumes.

Action

ESNP032E provides more information.

ESNP034E

THE TARGET VOLUME MUST HAVE AT LEAST AS MANY CYLINDERS AS THE SOURCE VOLUME

Cause

The target volume must be capable of holding the entire source volume. The target volume may have more cylinders than the source volume. However, the source volume may not contain more cylinders than the target volume.

Action

Choose a target volume which contains the same (or more) cylinders than the source volume.

ESNP035E

SOURCE CYLINDER COUNT: *size* TARGET CYLINDER COUNT: *size*

Cause

This message immediately follows message ESNP034E. This message identifies the actual number of cylinders detected for the source and target volumes.

Action

ESNP034E provides more information.

ESNP036I

THE TARGET VOLUME IS LARGER THAN THE SOURCE VOLUME.

Cause

In a SNAP VOLUME operation, the target volume contains more cylinders than the source volume.

This message is generated so that you will know that the target volume space management is still set for the smaller (source) volume. In order to utilize the additional space on the target volume, you will need to run an IBM utility program ICKDSF and specify a REFVTOC on the target volume. REFVTOC will detect the new volume size and update the VTOC space management to reflect the additional space. There is also an EMCSNAP parameter (REFVTOC(YES|NO)) which may be specified to automatically run REFVTOC and it will also eliminate this message.

Action

None.

ESNP037I

RUN ICKDSF REFVTOC TO ADD THE SPACE TO THE VTOC.

Cause

This message immediately follows message ESNP036I. Because the target volume is larger than the source volume, there are more cylinders physically present than identified in the source VTOC.

Action

None required. To correct the VTOC and make the additional space available for allocation, you should run the ICKDSF utility program and perform the REFVTOC command.

ESNP038E

CONDITIONVOLUME MAY NOT BE SPECIFIED WITH COPYVOLID(YES)

Cause

COPYVOLID(YES) was specified on a SNAP VOLUME command. CONDITIONVOLUME was also specified. CONDITIONVOLUME may not be specified with COPYVOLID(YES).

Action

Remove the CONDITIONVOLUME parameter from the SNAP VOLUME command.

ESNP039I

FBA DEVICES: CONDVOL, COPYVOLID, NEWVOLID, REFVTOC, REPLACE -
IGNORED

Cause

This message is always issued when a FBA SNAP is requested.

The request will continue normally. The identified parameters are ignored if used with a FBA device snap.

Because an FBA device is not formatted for zOS usage, these parameters (and several

more) do not apply to FBA devices.

Action

None.

ESNP03AI

```
SETTING MODE(NOCOPY) DUE TO UCODE >=5977 AND VDEV OPERATION
```

Cause

MODE(NOCOPY) was automatically set because the requested operation applies to virtual devices under HYPERMAX OS 5977 or a later level of the operating environment.

Action

None.

ESNP03CE

```
ZDP(YES) CANNOT BE SET FOR THE CREATE COMMAND
```

Cause

An attempt was made to run the CREATE command while the ZDP(YES) parameter is in effect. This is not allowed.

Action

Run CREATE when ZDP(YES) is not set.

ESNP03DE

```
ZDP(YES) CANNOT BE SET FOR THE RENAME COMMAND
```

Cause

The RENAME command was issued while the ZDP(YES) parameter was specified for SnapVX, which is not allowed.

Action

Retry when ZDP(NO) is set for SnapVX.

ESNP03GE | ESNP03GI | ESNP03GW

```
TARGET SRP# srp_id IS percentage% FULL
```

Cause

This message is issued during a LINK operation to warn that the indicated storage resource pool (SRP) has used its capacity up to the indicated *percentage*. This message can be issued as an informational (return code 0), warning (return code 4), or error message (return code 8) depending on the GLOBAL SRP_PERCENT parameter setting, as described in the *TimeFinder SnapVX and zDP Product Guide*.

Action

None.

ESNP040I

```
PROCESSING REQUESTS
```

Cause

Parsing of the input command file was successful and execution of the commands is now beginning.

Action

None.

ESNP041E

```
MAXRC OF rc EXCEEDED, PROCESSING TERMINATED
```

Cause

After processing a command, the highest return code encountered has exceeded the indicated MAXRC. Processing of additional commands will not occur and execution will stop.

Action

Correct the command in error.

ESNP042I

```
PROCESSING FOR STATEMENT stmt# BEGINNING, RESET EXTENT TRACK ON  
VOLUME volser
```

Cause

An extent track diagnostic command is being processed.

Action

None.

ESNP043I

```
PROCESSING FOR STATEMENT stmt# COMPLETED, HIGHEST RETURN CODE  
ENCOUNTERED IS rc
```

Cause

Processing for an extent track diagnostic command has completed. The highest return code encountered is identified.

Action

None.

ESNP044I

```
PROCESSING FOR STATEMENT stmt# BEGINNING, CLEANUP EXTENT TRACK ON  
[ATTACHED R2] VOLUME volser
```

Cause

The first format of this message is normal when a CLEANUP EXTENT TRACK command is being processed. The second format of this message is also produced when a CLEANUP EXTENT TRACK is being run against a R1 device, and it is connected to the R2 device, and AUTOMATIC_CLEANUP_R2(YES) is specified.

Action

None.

ESNP045I

```
PROCESSING FOR STATEMENT stmt# COMPLETED, HIGHEST RETURN CODE  
ENCOUNTERED IS rc
```

Cause

Processing for a CLEANUP EXTENT TRACK command has completed. The highest return code encountered is identified.

Action

None.

ESNP046I

```
PROCESSING BYPASSED DUE TO TYPRUN=SCAN OPTION
```

Cause

TYPRUN=SCAN was specified and all action processing will be bypassed.

Action

Verify that the processing will produce the desired results and run again without TYPRUN=SCAN.

ESNP047I

```
PROCESSING BYPASSED DUE TO TYPRUN=NORUN OPTION
```

Cause

TYPRUN=NORUN was specified and all action processing will be bypassed.

Action

Verify that the processing will produce the desired results and run again without TYPRUN=NORUN.

ESNP048I

```
PROCESSING BYPASSED DUE TO TYPRUN=NORUN OPTION
```

Cause

TYPRUN=NORUN was specified and all action processing will be bypassed.

Action

Verify that the processing will produce the desired results and run again without TYPRUN=NORUN.

ESNP049I

```
PREPARE_FOR_SNAP(YES) REQUESTED, NEW ALLOCATIONS AND DATA MOVEMENT  
SUPPRESSED **
```

Cause

PREPARE_FOR_SNAP(YES) is present on a GLOBAL command.

Action

None.

ESNP050E

```
INVALID MASK SPECIFIED IN INDEX number OF THE SOURCE DATASET NAME
```

Cause

An improper dataset name mask has been detected while analyzing the source dataset name parameter. The index level with the improper value is identified in the message.

Action

Correct the source dataset name field.

ESNP051E

```
SOURCE DATASET NAME: dsname
```

Cause

This message immediately follows message ESNP050E. This message identifies the source dataset name referenced in message ESNP050E.

Action

Refer to ESNP050E.

ESNP052E

```
INVALID MASK SPECIFIED IN INDEX number OF THE TARGET DATASET NAME
```

Cause

An improper dataset name mask has been detected while analyzing the target dataset name parameter. The index level with the improper value is identified in the message.

Action

Correct the target dataset name field.

ESNP053E

```
TARGET DATASET NAME: dsname
```

Cause

This message immediately follows message ESNP052E. This message identifies the target dataset name referenced in message ESNP052E.

Action

Refer to message ESNP052E.

ESNP054E

```
INVALID MASK SPECIFIED IN INDEX number OF THE EXCLUDE DATASET MASK
```

Cause

An improper dataset name mask has been detected while analyzing the exclude dataset mask parameter. The index level with the improper value is identified in the message.

Action

Correct the exclude dataset mask field.

ESNP055E

```
EXCLUDE MASK: mask
```

Cause

This message immediately follows message ESNP054E. This message identifies the exclude dataset mask referenced in message ESNP054E.

Action

See message ESNP054E.

ESNP056E

```
INVALID MASK SPECIFIED IN INDEX number OF THE RENAMEUNCONDITIONAL  
OLDNAME MASK
```

Cause

An improper dataset name mask has been detected while analyzing the renameunconditional dataset oldname mask parameter. The index level with the improper value is identified in the message.

Action

Correct the RENAMEUNCONDITIONAL DATASET OLDNAME mask field.

ESNP057E

```
OLDNAME MASK: mask
```

Cause

This message immediately follows message ESNP056E. This message identifies the RENAMEUNCONDITIONAL DATASET OLDNAME mask referenced in message ESNP056E.

Action

Refer to message ESNP056E.

ESNP058E

```
INVALID MASK SPECIFIED IN INDEX number OF THE RENAMEUNCONDITIONAL  
NEWNAME MASK
```

Cause

An improper dataset name mask has been detected while analyzing the RENAMEUNCONDITIONAL new name mask parameter. The index level with the improper value is identified in the message.

Action

Correct the RENAMEUNCONDITIONAL new name mask field.

ESNP059E

```
NEWNAME MASK: mask
```

Cause

This message immediately follows message ESNP058E. This message identifies the renameunconditional dataset newname mask referenced in message ESNP058E.

Action

See message ESNP058E.

ESNP060E

```
I/O ERROR READING VOLUME LABEL FOR VOLUME volser, RC: rc
```

Cause

An I/O error occurred while reading the volume label for the indicated volume.

Action

Identify the I/O error and correct the problem. Contact Dell EMC Customer Support for assistance.

ESNP061E

```
VOLUME LABEL ON VOLUME volser DOES NOT VERIFY, EXPECTED VOL1,  
FOUND value
```

Cause

The volume label for the indicated volume has been read. It is expected to be a standard volume label containing VOL1 as an identifier. A different identifier was found.

Action

Initialize the volume with a standard volume label.

ESNP062E

```
VOLUME LABEL ON VOLUME volser DOES NOT VERIFY, FOUND value
```

Cause

The volume label for the indicated volume has been read. The *volser* in the volume label did not match the *volser* contained in the z/OS UCB.

Action

Vary the device offline and online. This causes z/OS to reread the volume label. If the problem persists, the volume should be initialized with a standard volume label.

ESNP070E

```
IDCAMS FAILED WITH RC: rc WHILE DELETING DATASET: dsname
```

Cause

An attempt to delete the indicated dataset has failed. IDCAMS is used to delete datasets.

Action

The IDCAMS run log will immediately follow this message. Refer to the IDCAMS run log for the error encountered. Correct the IDCAMS error.

ESNP071E

```
USER EXIT PREVENTED SCRATCHING OF DATASET dsname, RC/R0/R1  
XXXXXXXX/XXXXXXXX/XXXXXXXX
```

Cause

User exit was called and it prevented the dataset from being scratched and requested this error message (rc=8).

Action

Refer to user exit.

ESNP071W

```
USER EXIT PREVENTED SCRATCHING OF DATASET dsname, RC/R0/R1  
XXXXXXXX/XXXXXXXX/XXXXXXXX
```

Cause

User exit was called and it prevented the dataset from being scratched and requested this warning message (rc=4).

Action

Refer to user exit.

ESNP080E

```
READ OF VVDS RECORDS FAILED, RC: rc
```

Cause

An attempt to read a VVDS record has failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP081E

UPDATE OF VVDS RECORDS FAILED, RC: *rc*

Cause

An attempt to update a VVDS record has failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP082I

SOURCE DATASET NAME: *dsname* VOLSER: *volser*

Cause

This message immediately follows message ESNP080E. This indicates that the VVDS record for the source dataset was being read on the specified volume.

Action

See message ESNP080E.

ESNP083I

TARGET DATASET NAME: *dsname* VOLSER: *volser*

Cause

This message immediately follows message ESNP080E or ESNP081E. This indicates that the VVDS record for the target dataset was being read or updated on the specified volume.

Action

See messages ESNP080E or ESNP081E.

ESNP084E

BOTH DATA SETS MUST HAVE THE SAME CI/CA, CISIZE AND TRK/AU

Cause

Each of these values must be the same for the source and target datasets.

Action

Either correct the target dataset attributes to match the source dataset attributes or change the source dataset attributes to match the target dataset attributes.

ESNP085I

SOURCE DATA SET NAME: *dsname* CI/CA: *nnn* CISIZE: *nnn* TRK/AU: *nnn*

Cause

Identifies the values that might have caused the mismatch for the source dataset.

Action

None.

ESNP086I

TARGET DATA SET NAME: *dsname* CI/CA: *nnn* CISIZE: *nnn* TRK/AU: *nnn*

Cause

Identifies the values that might have caused the mismatch for the target dataset.

Action

None.

ESNP090E

```
INVALID TARGET MASK, WILD CARD CHARACTER FOLLOWED BY SOMETHING -
value
```

Cause

The target dataset name mask field contains a wild card character (asterisk) followed by another character. The asterisk indicates that an entire index level (or multiple index levels) should be copied from the matching source dataset name.

Action

Correct the target dataset name mask field.

ESNP091E

```
TARGET DATASET NAME EXCEEDS 44 CHARACTERS
```

Cause

The generated target dataset name exceeds the z/OS limit of 44 characters.

Action

This usually occurs when the target dataset name mask field is used to copy index levels from the source dataset name. The final generated target dataset name is too large. Correct the target dataset name mask.

ESNP092I

```
SOURCE DSNAME: dsname
```

Cause

This message immediately follows messages ESNP091E, ESNP094E, or ESNP096E and identifies the source dataset name used to generate the target dataset name.

Action

See message ESNP091E, ESNP094E, or ESNP096E.

ESNP093I

```
TARGET MASK: dsname
```

Cause

This message immediately follows message ESNP092I and identifies the target dataset name mask being used to generate a new target dataset name.

Action

See message ESNP091E or ESNP094E.

ESNP094E

```
SOURCE DATASET NAME DOESN'T HAVE ENOUGH INDEX LEVELS TO WORK WITH
TARGET MASK
```

Cause

The target dataset name mask field contains more index levels than the source dataset name.

Action

Correct the target dataset name mask.

ESNP095E

UNABLE TO DETERMINE A TARGET MASK

Cause

No target name was specified, or a target mask could not be determined.

Action

Specify the target parameter.

ESNP096E

A SINGLE DATASET HAS BEEN SPECIFIED AS BOTH SOURCE AND TARGET, NOT ALLOWED

Cause

The same dataset is specified as source and target.

Action

Correct and submit again.

ESNP097I

TARGET DSNAME: *dsname*

Cause

This message immediately follows message ESNP096E.

Action

See message ESNP096E.

ESNP0A0I

VOLUME *volser* NOT SELECTED BECAUSE *reason*

Cause

EXPLAIN(VOLUME_SELECTION) has been specified. This message identifies a *volser* with a short text message explaining why the volume cannot be selected as a candidate volume. The short text message may include any of the following reasons:

NO UCB FOUND, NOT ONLINE
NO MATCHING VOLUME FOUND ONLINE
MIRROR WRITE LOCK SET
SAR LOCK SET
FAILED CONGROUP CHECK
INVALID STORGRP STATUS THIS SYS
INVALID SMS SYSTEM STATUS
ZOS SAYS NOT AN SMS DEVICE
SRDFA R1, NO DATAMOVER
SRDFA R1 NOT ALLOWED
SRDFS R1, NO DATAMOVER
SRDFS R1 NOT ALLOWED
NOT A BCV DEVICE
NOT SAME CONTROL UNIT
DIFFERENT TYPE OF DEVICE
DIFFERENT TRACK SIZE

Action

None.

ESNP0A1I

```
UNIT volser NOT SELECTED BECAUSE reason
```

Cause

EXPLAIN(VOLUME_SELECTION) has been specified. This message identifies a unit with a short text message explaining why the unit cannot be selected as a candidate device. A short text message may include any of the following reasons:

```
NO UCB FOUND, NOT ONLINE  
NO MATCHING VOLUME FOUND ONLINE  
MIRROR WRITE LOCK SET  
SAR LOCK SET  
FAILED CONGROUP CHECK  
INVALID STORGRP STATUS THIS SYS  
INVALID SMS SYSTEM STATUS  
ZOS SAYS NOT AN SMS DEVICE  
SRDFA R1, NO DATAMOVER  
SRDFA R1 NOT ALLOWED  
SRDFS R1, NO DATAMOVER  
SRDFS R1 NOT ALLOWED  
NOT A BCV DEVICE  
NOT SAME CONTROL UNIT  
DIFFERENT TYPE OF DEVICE  
DIFFERENT TRACK SIZE
```

Action

None.

ESNP0B0I

```
SOURCE VOLUME NOT FULLY SYNCHRONIZED, COPY MAY NOT BE CONSISTENT
```

Cause

The source device is an SRDF/A R2 device and it is not fully synchronized.

Action

The action will continue, but the copy will probably not be consistent. If you desire a consistent copy, you must wait until the device is fully synchronized and then rerun this request.

ESNP0B1I

```
REMOTE PARALLEL CLONE COPY DID NOT HAPPEN
```

Cause

An operating environment condition occurred which prevented Parallel Clone from being used. Parallel Clone was not used.

Action

None.

ESNP0B2I

```
LOCAL NON-PARALLEL CLONE COPY SUBSTITUTED
```

Cause

This is a continuation of message ESNP0B1I.

Action

None.

ESNP0B3I

REMOTE PC COPY FAILED, NON-PC USED

Cause

The operating environment condition occurred in the remote (R2) storage system. This is a further explanation of message ESNP0B1I.

Action

None.

ESNP0B4I

LOCAL PC COPY FAILED, NON-PC USED

Cause

The operating environment condition occurred in the local (R1) storage system. This is a further explanation of message ESNP0B1I.

Action

None.

ESNP0B5I

- EXISTING PC SESSION REPLACED WITH NON-PARALLEL CLONE COPY.

Cause

An existing parallel clone session was found, and it was replaced with a non-parallel clone session.

Action

None.

ESNP0B6I

- EXISTING NON-PC SESSION REPLACED WITH PARALLEL CLONE COPY.

Cause

An existing non-parallel clone session was found and replaced with a parallel clone session.

Action

None.

ESNP0B8W

SOURCE VOLUME(S) NOT FULLY SYNCHRONIZED, COPY MAY NOT BE CONSISTENT

Cause

The source device is an R2 device and it is not fully synchronized. The operation continues, but the copy might be inconsistent.

Action

If a consistent copy is required, wait until the device is fully synchronized and then rerun the request.

ESNP0C0E

RC=1779 - VDEV POOL IS FULL

Cause

An establish of a VDEV failed because the VDEV pool has no free tracks available.

Action

(1) Choose another VDEV pool. (2) Terminate an existing VDEV using this pool to make tracks available in the VDEV Pool.

ESNP0C1E

- RC=175F - ACTIVATE CASCADING DEVICES, SOURCE STILL HAS INDIRECT TRACKS

Cause

Activate failed for a cascading device because the source still has indirect tracks to be copied.

Action

Wait for the copy to complete, then try the operation again.

ESNP0C2E

- RC=177F - RESTORE FAILED, MIXING THICK/THIN DEVICES NOT ALLOWED OR VSE TARGET IS AN RDF DEVICE

Cause

1) Restore operation failed. A mix of thick and thin devices is not allowed.
2) The VSE target device is an SRDF device.

Action

1) Restore elsewhere, ensure you are using the same type of device (thick or thin).
2) A VSE operation may not involve an SRDF device. Choose another device, or specify MODE(COPY).

ESNP0C3E

- RC=1797 - SYSCALL IS BLOCKED, ACCESS CONTROLS ARE IN EFFECT OR TARGET BOX IS NOT SUPPORTED

Cause

Access controls are in effect.

Action

Contact your site administrator to determine what has to be done to allowed this operation to succeed.

ESNP0C4E

- RC=1727 - TARGET R2 DEVICE IS DISABLED AND ACTIVE ON LINK

Cause

An R2 that is active on the link may not be used as the target of this type of operation.

Action

1) Choose another device.
2) Make the R2 device inactive on the link, then ready to the channels, then rerun this request.

ESNP0C5E

RC=1726 - MIX OF VSE AND VDEV DEVICES ON SAME SOURCE DEVICE

Cause

An attempt to have both MODE(VSE) and VDEV sessions using the same source device has resulted in an error.

Action

Do not use MODE(VSE) when a device is going to also have VDEV sessions.

ESNP0D1E

CONTROLLER LICENSE DISALLOWS PARALLEL CLONE OPERATIONS - SERIAL#: *symm-serial*

Cause

The storage system feature license does not allow parallel clone operations on the specified storage system.

Action

Add the parallel clone license to SCF. To obtain the necessary feature license, contact Dell EMC Customer Support.

ESNP0D2E

EMCKFI FAILED CHECKING CONTROLLER *symm-serial*, R15: xxxxxxxx R0: xxxxxxxx

Cause

EMCKFI returned an error while attempting to check the feature license for the specified storage system.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP0D3E

TO FIND OUT MORE OR OBTAIN THE NECESSARY LFC CONTACT YOUR LOCAL EMC SALES REPRESENTATIVE

Cause

A parallel clone operation was attempted without the feature enabled in the storage system.

Action

Add the Parallel Clone feature license to SCF. To obtain the necessary feature license, contact Dell EMC Customer Support.

ESNP0D4E

UNABLE TO VALIDATE CONTROLLER LICENSE, CONTROLLER NOT DEFINED TO SCF - *symm-serial*

Cause

An attempt to validate the storage system license failed. The device storage system is not defined to SCF.

Action

(a) Review the SCF devices and ensure that the device is included in SCF. (b) Correct the

device reference to a valid SCF device.

ESNP0D5E

TO FIND OUT MORE OR OBTAIN THE NECESSARY ELM CONTACT YOUR LOCAL EMC SALES REPRESENTATIVE

Cause

A parallel clone operation was attempted without the feature enabled in the storage system.

Action

Add the Parallel Clone license to your storage systems. You may need to contact your local Dell EMC sales representative to obtain the license code.

ESNP0E0I

SPACE EFFICIENT DEVICES REQUIRE PRECOPY(NO) , ASSUMED

Cause

Space efficient devices are Flash Copy specific devices. PRECOPY(YES) is not allowed on these devices. The PRECOPY parameter is ignored and PRECOPY(NO) assumed. The command will continue.

Action

None.

ESNP0E1E

SOURCE_VDEV ONLY SUPPORTED WITH MICROCODE LEVELS 5X75 AND HIGHER

Cause

SOURCE(VDEV()) was specified for a device that is in an older storage system. This is only supported for devices in a storage system that is at operating environment level 5x75 and later.

Action

None.

ESNP0E2E

LIGHTNING DEVICE NOT SUPPORTED WHEN ACTIVE IN CACHING MODE

Cause

A lightning device was referenced. A lightning device is not supported when active in caching mode.

Action

Choose another device.

ESNP0E3I

SNAP VOLUME IS NOT NATIVE FOR UCODE >= 5X77 AND MAY NOT BE SUPPORTED IN FUTURE UCODE LEVELS

Cause

The SNAP VOLUME command was run on a storage system with operating environment level 5x77 or later.

This message is issued to warn about using legacy commands that may not be supported in future releases of the operating environment. The new SnapVX commands should be

used instead.

Action

None.

ESNP0E4I

SOFTLINK OPTION IS NOT SUPPORTED FOR PARALLEL CLONE, SOFTLINK IGNORED

Cause

The SOFTLINK option cannot be used with Parallel Clone operations and was therefore ignored.

Action

None.

ESNP0E5I

MODE(NOCOPY) NOT ALLOWED WITH DIFFERENTIAL(YES), ASSUMED MODE(COPY)

Cause

The parameter combination of MODE(NOCOPY) and DIFFERENTIAL(YES) was specified in the same command.

Action

MODE(NOCOPY) and DIFFERENTIAL(YES) are mutually exclusive. One of the parameter's values must be changed.

ESNP0E6E

SOURCE DEVICE MAY NOT BE SRDF/METRO DEVICE

Cause

The source device specified in the TimeFinder/Clone command is in the SRDF/Metro group.

Action

Review the TimeFinder/Clone command input and exclude all devices which are in the SRDF/Metro group.

ESNP0E6I

TARGET DEVICE MAY NOT BE SRDF/METRO DEVICE

Cause

A target device specified in the TimeFinder/Clone command is in the SRDF/Metro group.

Action

Review the TimeFinder/Clone command input and exclude all devices which are in the SRDF/Metro group.

ESNP0E8I

FREESPACE(NO) OPTION IS NOT SUPPORTED WITH SOFTLINK, FREESPACE(YES) ASSUMED

Cause

The specified value of the FREESPACE parameter is ignored when SOFTLINK(YES) is set.

Action

None.

ESNP0F0E

EMC SNAP API - I/O ERROR CLEANING EXTENTS IN EXTENT TRACK

Cause

An I/O error was detected when cleaning extents in an extent track.

Action

Add a GLOBAL DEBUG(EXTRA) to the failing step. Then add //EMCQCAPI DD SYSOUT=* to the JCL for the failing step. Rerun and save the output. Forward the information to the Dell EMC Customer Support Center.

ESNP0F1E

EMC SNAP API - SYSCALL MULTI-DEVICE RESPONSE ERROR

Cause

A multi-device syscall error was detected.

Action

Add a GLOBAL DEBUG(EXTRA) to the failing step. Then add //EMCQCAPI DD SYSOUT=* to the JCL for the failing step. Rerun and save the output. Forward the information to the Dell EMC Customer Support Center.

ESNP0F2E

EMC SNAP API - INTERNAL DEVICE TABLE TOO SMALL

Cause

An internal table was found to be too small.

Action

Add a GLOBAL DEBUG(EXTRA) to the failing step. Then add //EMCQCAPI DD SYSOUT=* to the JCL for the failing step. Rerun and save the output. Forward the information to the Dell EMC Customer Support Center.

ESNP0F3E

EMC SNAP API - SOURCE AND TARGET DEVICES ARE THE SAME

Cause

The source and target device are the same device.

Action

Correct either the source and target devices to reflect the correct devices.

ESNP0F4E

EMC SNAP API - CANNOT RESNAP A VDEV WHERE THE STANDARD DEVICE IS TARGET OF CLONE SESSION

Cause

In a cascading situation with a VDEV device (A-> B-> Vdev), you cannot resnap a VDEV.

Action

You must terminate the A->B session before you can resnap the B->Vdev session.

ESNP0F5E

EMC SNAP API - ERROR CREATING SNAPSHOT

Cause

An error was encountered while creating a snapshot.

Action

Add a GLOBAL DEBUG(EXTRA) to the failing step. Then add //EMCQCAPI DD SYSOUT=* to the JCL for the failing step. Rerun and save the output. Forward the information to the Dell EMC Customer Support Center.

ESNP0F6E

EMC SNAP API - ERROR ACTIVATING SNAPSHOT

Cause

An error was encountered while activating a snapshot.

Action

Add a GLOBAL DEBUG(EXTRA) to the failing step. Then add //EMCQCAPI DD SYSOUT=* to the JCL for the failing step. Rerun and save the output. Forward the information to the Dell EMC Customer Support Center.

ESNP0F7E

EMC SNAP API - ERROR QUERYING SNAPSHOT

Cause

An error was encountered while querying a snapshot.

Action

Add a GLOBAL DEBUG(EXTRA) to the failing step. Then add //EMCQCAPI DD SYSOUT=* to the JCL for the failing step. Rerun and save the output. Forward the information to the Dell EMC Customer Support Center.

ESNP0F8E

EMC SNAP API - ERROR LINKING SNAPSHOT

Cause

An error was encountered while creating a snapshot.

Action

Add a GLOBAL DEBUG(EXTRA) to the failing step. Then add //EMCQCAPI DD SYSOUT=* to the JCL for the failing step. Rerun and save the output. Forward the information to the Dell EMC Customer Support Center.

ESNP0F9E

EMC SNAP API - ERROR UNLINKING SNAPSHOT

Cause

An error was encountered while unlinking a snapshot.

Action

Add a GLOBAL DEBUG(EXTRA) to the failing step. Then add //EMCQCAPI DD SYSOUT=* to the JCL for the failing step. Rerun and save the output. Forward the information to the Dell EMC Customer Support Center.

ESNP0FAE

EMC SNAP API - ERROR RENAMING SNAPSHOT

Cause

An error was encountered while renaming a snapshot.

Action

Add a GLOBAL DEBUG(EXTRA) to the failing step. Then add //EMCQCAPI DD SYSOUT=* to the JCL for the failing step. Rerun and save the output. Forward the information to the Dell EMC Customer Support Center.

ESNPOFBE

EMC SNAP API - ERROR TERMINATING SNAPSHOT

Cause

An error was encountered while terminating a snapshot.

Action

Add a GLOBAL DEBUG(EXTRA) to the failing step. Then add //EMCQCAPI DD SYSOUT=* to the JCL for the failing step. Rerun and save the output. Forward the information to the Dell EMC Customer Support Center.

ESNPOFCE | ESNPOFCW

EMC SNAP API - ERROR SETTING COPY MODE

Cause

An error was encountered while setting the copy mode of a snapshot.

Action

Add a GLOBAL DEBUG(EXTRA) to the failing step. Then add //EMCQCAPI DD SYSOUT=* to the JCL for the failing step. Rerun and save the output. Forward the information to the Dell EMC Customer Support Center.

ESNPOFDE

EMC SNAP API - ERROR CREATING HARDLINK

Cause

An error was encountered while creating a hardlink.

Action

Add a GLOBAL DEBUG(EXTRA) to the failing step. Then add //EMCQCAPI DD SYSOUT=* to the JCL for the failing step. Rerun and save the output. Forward the information to the Dell EMC Customer Support Center.

ESNPOFEE

EMC SNAP API - LOOKUP FOUND 0 SNAPSHOTS FOR PROCESSING

Cause

Zero snapshots were found with the specified snapshot name on the source device.

Action

Actions include:

- Ensure that the snapshot name and source device have been correctly specified
- Add a GLOBAL DEBUG(EXTRA) to the failing step. Then add //EMCQCAPI DD SYSOUT=* to the JCL for the failing step. Rerun and save the output. Forward the information to the Dell EMC Customer Support Center.

ESNPOFFE

EMC SNAP API - DUPLICATE SNAPSHOT NAME PASSED

Cause

The snapshot name specified already exists on the source device.

Action

Resubmit the command, and specify a new snapshot name which is not currently being used on the source device.

ESNPOFGE

EMC SNAP API - ERROR UPDATING EXPIRATION

Cause

An error was encountered while updating a snapshot expiration.

Action

Add a GLOBAL DEBUG(EXTRA) to the failing step. Then add //EMCQCAPI DD SYSOUT=* to the JCL for the failing step. Rerun and save the output. Forward the information to the Dell EMC Customer Support Center.

ESNPOFIE

EMC SNAP API - CAN NOT TERMINATE SNAPSHOT DUE TO ACTIVE LINK

Cause

An attempt was made to terminate a snapshot which still has an active link.

Action

Remove the link and retry.

ESNPOFJE

EMC SNAP API - LIMIT OF 256 SNAPSHOTS EXCEEDED

Cause

The user has requested to create a snapshot on a source device that already has the maximum number of snapshots allowed (256).

Action

Terminate one or more snapshots and retry.

ESNPOFKE

EMC SNAP API - ERROR LOOKING UP SNAPSHOT

Cause

An error occurred during the LOOKUP syscall which prevented the LOOKUP data from being returned.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available

ESNPOFME

EMC SNAP API - TGT NOT IN STATE TO ALLOW UNLINK, TGT MAY NOT BE LINKED

Cause

The target volume is not in a state where the UNLINK operation can be run. Most likely the target volume is not linked at the time the UNLINK command was issued.

Action

Check the state of the target volume as it may already be unlinked and no further action needs to be taken.

ESNPOFNE

EMC SNAP API - SNAPSHOT IS IN FAILED STATE, CHECK SRP UTILIZATION

Cause

When new writes come in on a source device after a snapshot has been created, the original snapshot point-in-time data must be preserved by allocating a new track in the storage resource pool (SRP), either for the new write to go on, or to copy the snapshot data to. If a track cannot be allocated from the SRP due to storage utilization limits, the snapshot will become failed.

Action

A failed snapshot cannot be used for any purpose, it can only be terminated.

ESNPOFOE

EMC SNAP API - NO SNAPSHOTS MATCHED THE SPECIFIED SNAPSHOT ID

Cause

A SnapVX command was issued but no snapshots were found matching the specified snapshot ID.

Action

Correct the snapshot specification and retry.

ESNPOFQE

EMC SNAP API - INVALID SNAPSHOT ID FOUND

Cause

During a LINK syscall, the snapshot ID associated with the requested snapshot was found to be invalid. This can occur if the snapshot to be linked does not exist, or was terminated mid processing by a separate task. An unexpected internal snap error could also cause this problem.

Action

Issue a snapshot query command to the source device and verify a snapshot exists with a name that matches that in the LINK command.
Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPOFRE

EMC SNAP API - I/O ERROR FROM HARDLINK SYSCALL

Cause

A syscall to create a hardlink between a source and target device has failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact

the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPOFSE

```
EMC SNAP API - SOFTLINK AND HARDLINK ARE NOT ALLOWED ON THE SAME DEVICE
```

Cause

The user attempted to create a snapshot on a device that was already linked.

Action

Terminate the existing link if a new snapshot is desired. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPOFTE

```
EMC SNAP API - SNAPSHOT SOURCE ALREADY TARGET
```

Cause

An attempt was made to create a differential snapshot with a target device which is already a source of a differential snapshot and is not allowed.

Action

Choose a target volume which is not already the source of a target snapshot.

ESNPOFUE

```
EMC SNAP API - SNAPSHOT IS IN INVALID STATE FOR THE REQUESTED OPERATION
```

Cause

The snapshot that was requested to be linked is not in a state that would allow it to be linked. It is possible that the snapshot was created, but not activated either intentionally or due to an error.

Action

Verify that the snapshot is in the ACTIVE state by issuing a QUERY SNAPSHOT command for the device. If you have verified that the snapshot has been activated, contact Dell EMC Customer Support.

ESNPOFVE

```
EMC SNAP API - HYPERMAX OS 5977 OR HIGHER SUPPORTS RESTORE TO THE ORIGINAL STANDARD ONLY
```

Cause

A RESTORE command was issued for one of the following:

- From a VDEV to a BCV that has been SPLIT from the original standard device that had a relationship with the virtual device.
- From a VDEV to a different standard device.

Action

Use the RESTORE command only to snap back (from a VDEV to the original standard device).

ESNPOFWE

EMC SNAP API - CAN NOT TERMINATE A SECURE SNAPSHOT

Cause

A TERMINATE command has been issued against a secure snapshot. The secure snapshot cannot be terminated until its Time to Live expires.

Action

Ensure that a correct snapshot name and source device number are specified in the command.

ESNPOFXE

EMC SNAP API - CAN NOT DECREMENT THE EXPIRATION TIME FOR A SECURE SNAPSHOT

Cause

A CONFIG command has been issued against the expiration time for a secure snapshot. The expiration time for a secure snapshot cannot be decremented.

Action

Check the spelling of the snapshot name, source device number and value of the expiration time.

ESNPOFZE

EMC SNAP API - CAN NOT FREE DEVICE WITH EXISTING SESSION

Cause

A command with the FREE(YES) parameter was issued against a device that has other sessions. The device cannot be freed until all sessions are terminated.

Action

Terminate all existing sessions on the device and retry.

ESNPOG0E

SMFWTM FAILED, RC=*rtncode*

Cause

The SMFWTM z/OS service failed to write the SMF record.

Action

Refer to the IBM Manual z/OS MVS System Management Facilities (SMF), section Using SMF Macros subsection SMFWTM -- Writing SMF Records under the title Return Codes.

ESNPOG1E

EMC SNAP API - NO SNAPSHOT FOUND TO ACTIVATE

Cause

An ACTIVATE command was issued against a snapshot that does not exist.

Action

Specify a valid snapshot.

ESNPOG3E

EMC SNAP API - ERROR SETTING COPY MODE. DEVICE IS NOT A TARGET OR ALREADY A TARGET FOR THE RESTORE OPERATION

Cause

There was an attempt to set copy mode for the snapshot that was previously restored.

Action

None.

ESNP0H0E

ONLY ONE SNAPPOOL NAME MAY BE SPECIFIED AT A TIME

Cause

Only one snap pool name may be specified in a request.

Action

Change the request to have a single snap pool name.

ESNP0H1E

ONLY ONE THINPOOL NAME MAY BE SPECIFIED AT A TIME

Cause

Only one thin pool name may be specified in a request.

Action

Change the request to have a single thin pool name.

ESNP0I0I

PARALLEL_CLONE REQUESTED, R21 DEVICE DETECTED, NOT ALLOWED

Cause

PARALLEL_CLONE is not supported for R21 devices. PARALLEL_CLONE is ignored for these devices. PARALLEL_CLONE(NO) is assumed for this request.

Action

None.

ESNP0I1I

PARALLEL_CLONE REQUESTED, {SOURCE|TARGET} IS IN ADAPTIVE COPY MODE

Cause

PARALLEL_CLONE is not supported for devices in adaptive copy mode. PARALLEL_CLONE ignored for these devices. PARALLEL_CLONE(NO) is assumed for this request since the feature is not supported.

Action

None.

ESNP0J0W

AUTO_BIND(YES) SPECIFIED FOR UNBOUND THIN DEVICE, BUT NO POOL NAME SUPPLIED

Cause

An unbound thin device has been encountered during SNAP VOLUME processing. AUTO_BIND(YES) was specified, but the POOLNAME() parameter was omitted. AUTO_BIND will not occur.

Action

(1) Manually bind the device to a thin device pool and rerun the request; or (2) Rerun the request and specify a valid thin device pool name with the POOLNAME() parameter.

ESNP0J1E

```
UNABLE TO SNAP AN CKD META MEMBER DEVICE - volume_information
```

Cause

A CKD meta member device may not be used in a snap or clone operation.

Action

Correct the action to refer to a supported device. Typically, a CKD meta member is part of a RAID-10 device. If this is the case, specify the CKD meta head, and all members of the RAID-10 device will be included.

ESNP0J2E

```
DEVICE IS ACTIVE WITH REMOTE PAIR FLASHCOPY - volume_information
```

Cause

The requested device is already involved with Remote Pair FlashCopy.

Action

Remote Pair FlashCopy must have exclusive use of the devices it is involved with. You cannot run any EMCSNAP action statements with this device until the Remote Pair FlashCopy session has been terminated.

ESNP0J3W

```
FBA META DEVICE - volume_information
```

Cause

This message indicates that an FBA meta device has been selected for processing.

Action

None.

ESNP0K0W

```
AUTO_BIND(YES) SPECIFIED FOR UNBOUND THIN DEVICE, BUT NO VALID  
POOL NAME SUPPLIED
```

Cause

An unbound thin device has been encountered during SNAP VOLUME processing. AUTO_BIND(YES) was specified, but the POOLNAME() parameter did not specify a valid thin device pool. AUTO_BIND will not occur.

Action

(1) Manually bind the device to a thin device pool and rerun the request; or (2) Rerun the request and specify a valid thin device pool name with the POOLNAME() parameter.

ESNP0K1I

```
AUTO BIND OCCURRED FOR DEVICE ccuu TO POOL poolname
```

Cause

The indicated device was bound to the indicated pool as part of the requested action.

Action

None.

ESNP0K2I

```
AUTO UNBIND OCCURRED FOR DEVICE ccuu
```

Cause

The indicated device was automatically unbound as part of the SNAP TO VOLUME request.

Action

None.

ESNP0L0E

```
LOGPOOL API - POOL NAME ALREADY EXISTS
```

Cause

The pool name specified already exists.

Action

Use a different pool name.

ESNP0L1E

```
LOGPOOL API - NON-ZERO RETURN CODE GPM SYSCALL
```

Cause

A call to the LOGPOOL API failed because of a non-zero return code from a syscall.

Action

Gather all the relevant information and report this failure to the Dell EMC Customer Support Center.

ESNP0L2E

```
LOGPOOL API - I/O ERROR ON GPM SYSCALL
```

Cause

A call to the LOGPOOL API failed because of an I/O error during a SYSCALL

Action

Gather all the relevant information and contact the Dell EMC Customer Support Center.

ESNP0M0E

```
INTERNAL EXTENT TABLE SIZE EXCEEDED
```

Cause

An internal error was detected.

Action

Add GLOBAL DEBUG(EXTRA) to the failing step and rerun it. Save the output and contact the Dell EMC Customer Support Center.

ESNP0M1E

```
INTERNAL SORT FAILED WITH CODE rc
```

Cause

An internal error was detected.

Action

Please add GLOBAL DEBUG(EXTRA) to the failing step and rerun it. Save the output and contact the Dell EMC Customer Support Center.

ESNP0N0E

```
REXX USER EXIT FAILURE - CODE= xx
```

Cause

After REXX exit completed, the interface returned the code indicating that the exit failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP0N1E

```
REFER TO IBM MESSAGE IRXnnnI
```

Cause

This message follows ESNP0N0E, and indicates that an IBM message may be related to this problem. Refer to IBM message documentation for assistance.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP0N2I

```
stmt# - stmt text
```

Cause

After a REXX exit fails, the in-memory text of REXX statements are shown.

Action

Review the error messages prior to the REXX statements.

ESNP0N3E

```
ERROR, USER POOLNAME > 12 CHARACTERS - count - 1ST 12 ARE:  
XXXXXXXXXXXX
```

Cause

The REXX exit used to assign a pool name set an invalid name. A pool name must be less than or equal to 12 characters.

Action

Review the REXX statements and ensure that all pool names are 12 characters or less.

ESNP0N4E

```
ERROR, POOLNAME NOT VALID FOR VDEV - poolname
```

Cause

The REXX exit assigned a pool name that is not valid for virtual devices.

Action

Review the REXX exit and ensure that valid pool names are returned.

ESNP0N5E

```
ERROR, USER POOLNAME > 12 CHARACTERS - count - 1ST 12 ARE:  
XXXXXXXXXXXX
```

Cause

The REXX exit used to assign a pool name set an invalid name. A pool name must be less than or equal to 12 characters.

Action

Review the REXX statements and ensure that all pool names are 12 characters or less.

ESNP0N7I

```
ATTEMPT TO ALLOCATE //SYSTSPRT DD DUMMY FAILED, DYNRC=rc
```

Cause

In order to run the REXX exit, //SYSTSPRT DD DUMMY must be dynamically allocated. The allocation attempt failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP0N8I

```
REXX USER EXIT HAS SELECTED POOL poolname
```

Cause

REXX exit has assigned a pool to the request.

Action

None.

ESNP0N9E

```
ERROR, USER DATASET NEWNAME > 44 CHARACTERS - count - 1ST 44 ARE:  
1st44
```

Cause

The REXX exit to assign or validate a new dataset name has returned a name that is greater than 44 characters.

Action

Examine the REXX statements and ensure that a proper, valid, dataset name is returned.

ESNP0P0E

```
COULD NOT OBTAIN CRC DATA FOR REQUESTED TRACKS
```

Cause

The syscall to obtain CRC data returned 0 CRC values and the maximum number of retries was exceeded .

Action

The storage system may be too busy to fulfill the request in the allowed amount of time. Try waiting until the system is less busy.

ESNP0P1E

```
SOURCE TRACK (nnn) CRC=nnnnnnnn DOES NOT MATCH TARGET TRACK (nnn)  
CRC=yyyyyyyy
```

Cause

The source and target CRC values do not match.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP0P3E

```
SYSCALL ERROR OBTAINING TRACK CRC VALUES, D ATA3E= nnnnnnnnnnnn
```

Cause

The syscall to obtain CRC data failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP0P4I

```
DEVICE NOT ASSIGNED TO AN EF DIRECTOR, SKIPPING VALIDATE.  
DEVICE=symdv#
```

Cause

The PowerMax or VMAX device number requested to be validated is not assigned to a front-end EF director. This is a requirement for CRC data to be returned.

Action

Assign the device to a front-end EF director.

ESNP0P5I

```
IGNORING TRACK MISMATCH FOR CCHH=0 DUE TO VOLUME LABEL TRACK
```

Cause

The track which CRC data was requested for is a volume label track. The source and target CRC data will be different do to different volume labels, thus the track mismatch is being ignored.

Action

None.

ESNP0P6E

```
I/O ERROR FROM CRC SYSCALL, R15=
```

Cause

The syscall to obtain CRC data failed due to an I/O error.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP0Q0E

```
ERROR, USER DATACLAS > 8 CHARACTERS - count - 1ST 8 ARE: 1st8
```

Cause

The REXX exit to validate and assign the data class name returned a name that is greater than 8 characters.

Action

Examine the REXX statements and ensure that a valid data class name is assigned.

ESNP0Q1E

```
ERROR, USER MGMTCLAS > 8 CHARACTERS - count - 1ST 8 ARE: 1st8
```

Cause

The REXX exit to validate and assign the management class name returned a name that is greater than 8 characters.

Action

Examine the REXX statements and ensure that a valid management class name is assigned.

ESNP0Q2E

```
ERROR, USER STORCLAS > 8 CHARACTERS - count - 1ST 8 ARE: 1st8
```

Cause

The REXX exit to validate and assign the storage class name returned a name that is greater than 8 characters.

Action

Examine the REXX statements and ensure that a valid storage class name is assigned.

ESNP0R1E

```
CONTROLLER LICENSE DISALLOWS FEDERATED TIERED STORAGE OPERATIONS -  
SERIAL#: symm-serial
```

Cause

A request against a FTS (Federated Tiered Storage) device was encountered. Snap or clone operations against FTS devices are not licensed for this storage system.

Action

Contact your storage system administrator to determine what licensed operations are permitted.

ESNP0R2E

```
EMCKFI FAILED CHECKING CONTROLLER symm-serial, R15: xxxxxxxx R0:  
xxxxxxx
```

Cause

EMCKFI returned an error while attempting to check the FTS feature license for the specified storage system.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP0R3E

TO FIND OUT MORE OR OBTAIN THE NECESSARY LFC CONTACT YOUR LOCAL EMC SALES REPRESENTATIVE

Cause

A FTS request was attempted without the feature enabled in this storage system.

Action

Add the FTS feature license to SCF. To obtain the necessary feature license, contact Dell EMC Customer Support.

ESNP0R4E

UNABLE TO VALIDATE CONTROLLER LICENSE, CONTROLLER NOT DEFINED TO SCF - *symm-serial*

Cause

An attempt to validate the storage system license failed. The device storage system is not defined to SCF.

Action

Review the SCF devices and ensure that the device is included in SCF. Correct the device reference to a valid SCF device.

ESNP0S0E

AN ENCAPSULATED FTS DEVICE IS NOT ALLOWED TO BE HAVE A SESSION WITH A VDEV

Cause

Encapsulated FTS devices may not be used with VDEV devices.

Action

Change your request to avoid using VDEV devices.

ESNP0S1E

AN ENCAPSULATED FTS DEVICE IS NOT ALLOWED TO BE THE TARGET OF A CLONE OPERATION

Cause

Encapsulated FTS devices may not be the target of clone operations.

Action

Do not use encapsulated FTS devices in the TARGET parameter of clone operations.

ESNP0S2E

INTERNAL ERROR DETECTED: *error_code* RUN TERMINATED

Cause

An internal error was detected.

Action

Add GLOBAL DEBUG(EXTRA) to the failing step and rerun the failing step. Save the output and contact the Dell EMC Customer Support Center.

ESNP0T0W

LOGICAL DATAMOVER IS NOT SUPPORTED WITH SOURCE_VOLUME_LIST, IGNORED

Cause

Either DFDSS or IDCAMS was specified as a logical datamover along with using SOURCE_VOLUME_LIST. The options are ignored.

Action

None. If message ESNP974E occurs, you may need to specify an override in order for the copy to occur - TOLERATE_DATACLASS_COMPACTION_MISMATCH(YES) or TOLERATE_DATACLASS_EXTENDED_MISMATCH(YES).

ESNP0T1E

EXTENT ALLOCATION IS REQUIRED WHEN USING SOURCE_VOLUME_LIST

Cause

SOURCE_VOLUME_LIST is being used and EXTENT_ALLOCATION(NO) is specified.

Action

Remove EXTENT_ALLOCATION(NO).

ESNP0U0I

DEVICE FOUND IN ADAPTIVE COPY MODE ON VOLUME *volser* SN *symm-serial/symdv#*

Cause

The device being processed was found to be in adaptive copy mode.

Action

None.

ESNP0U1I

CONSISTENCY INVALID FOR VOLUME *volser* (SN *symm-serial/symdv#*)

Cause

The R1 volume entry address was not found while processing an R2 volume. Due to this fact, consistency is invalid for the volume.

Action

None.

ESNP0U2I

DEVICE FOUND IN BOTH SRDF/S AND SRDF/A MODE ON VOLUME *volser* (SN *symm-serial/symdv#*)

Cause

The device being processed was found to be in both SRDF/S and SRDF/A mode.

Action

None.

ESNP0U3I

DEVICE FOUND IN BOTH RDF AND NON-RDF MODE ON VOLUME *volser* (SN *symm-serial/symdv#*)

Cause

The device being processed was found to be in both SRDF and non-SRDF mode.

Action

None.

ESNP0U4I

```
FIRST DEVICE IN {SRDF/S|NON-RDF|SRDF/A} MODE IS volser (S/N symm-serial/symdv#)
```

Cause

This message displays the first source devices found in SRDF/A, SRDF/S and non-SRDF states.

Action

None.

ESNP0U4S

```
INTERNAL ERROR DETECTED, RUN TERMINATED
```

Cause

An internal error has been detected.

Action

Rerun with GLOBAL DEBUG(EXTRA) and send the output to the Dell EMC Customer Support Center.

ESNP0U5S

```
PARALLEL CLONE, UNABLE TO FIND MATCH, RUN TERMINATED
```

Cause

PARALLEL_CLONE was requested. The "other side" of the request is not found. This may be an internal error.

Action

Rerun with GLOBAL DEBUG(EXTRA) and send the output to the Dell EMC Customer Support center.

ESNP0V0E

```
NAME PARAMETER REQUIRED, MISSING
```

Cause

The required NAME parameter has not been specified.

Action

Specify the NAME parameter and retry.

ESNP0V2E

```
SNAPSHOT NAME CONTAINS INVALID VARIABLE
```

Cause

The snapshot name was specified using incorrect variable(s).

Action

Correct the variable specification and retry. See the *TimeFinder SnapVX and zDP Product Guide* for a list of supported variables.

ESNP0V3E

```
CONTROLLER MUST BE 5X77 OR HIGHER MCODE
```

Cause

A command was issued to a storage system with an operating environment level that does not support the command.

Action

Rerun the command to a storage system with operating environment level 5x77 or later.

ESNP0V4E

SNAPSHOT NAMES MUST BE UNIQUE FOR EACH SOURCE DEVICE

Cause

Another snapshot with the same name exists on the specified source device. Every snapshot on a given source must have a unique snapshot name.

Action

Either change the existing snapshot name, or change the newly requested snapshot name.

ESNP0V7E

5X77 OR HIGHER MCODE REQUIRED FOR NAME OPTION

Cause

A command with a parameter requiring HYPERMAX OS 5977 or a later level of the operating environment was issued to a storage system running Engenuity 5876 or earlier.

Action

Reissue the command to a storage system running HYPERMAX OS 5977 or a later level of the operating environment, or change the command to remove the failing parameter.

ESNP0V8E

TERMINATE_ALL(YES) AND NAME(*) CANNOT BOTH BE SPECIFIED

Cause

The user has specified the Snap parameters TERMINATE_ALL(YES) and NAME(*), which are mutually exclusive.

Action

Either set TERMINATE_ALL(NO), or choose a specific snapshot name instead of the wildcard character "*".

ESNP0V9E

GCM IS SET ON THE TARGET BUT NOT THE SOURCE

Cause

You have attempted to snap to a snap to a target device that has the GCM attribute set.

Action

Either choose a larger source device to snap to this target device, or choose a different target device that has the same size as the source.

ESNP0VAE

SNAPSHOTID() AND NAME(*) OPTIONS CANNOT BOTH BE SPECIFIED

Cause

A SnapVX command was issued and both SNAPSHOTID(*snapshotid*) and NAME(*) options were specified. This is not supported.

Action

Correct the command parameters and retry.

ESNP0VBE

SNAP VOLUME GROUP STATEMENTS CANNOT BE USED IN A SNAPVX COMMAND

Cause

An attempt was made to run a SnapVX command using a group which was defined with the SNAP VOLUME command. This is not allowed.

Action

Modify the group definition so that it uses the SnapVX LINK command.

ESNP0VCE

SNAPVX GROUP STATEMENTS CANNOT BE USED WITH LEGACY SNAP COMMAND

Cause

An attempt was made to run legacy TF/Clone commands using a group which was defined with the SnapVX LINK command. This is not allowed.

Action

Modify the group definition so that it uses the SNAP VOLUME command.

ESNP0X0E

INVALID RAGROUP DETECTED, FF IS NOT ALLOWED

Cause

An invalid SRDF group was detected. The value x'FF' is not allowed.

Action

Rerun with GLOBAL DEBUG(EXTRA) and submit the output to Dell EMC Customer Support.

ESNP100E

SOURCE VOLUME (*volser* S/N *symm-serial/symdv#*) NOT LOCATED ONLINE, MAY NOT EXIST OR NOT DEFINED TO SCF

Cause

An online volume with the indicated volser was not found.

Action

Correct the volser, or vary the volume online.

ESNP101E

SOURCE VOLUME (*volser* S/N *symm-serial/symdv#*) IS NOT AN EMC DEVICE

Cause

An online volume with the indicated volser was found, but it is not located on a Dell EMC storage system. The source volume must be a Dell EMC device for SNAP DATASET or SNAP VOLUME.

Action

Change the volser to one located on a Dell EMC device.

ESNP102E | ESNP102I

SOURCE VOLUME (*volser S/N symm-serial/symdv#*) MUST BE A STD DEVICE, NOT A BCV DEVICE

Cause

An online volume with the indicated volser was found on a Dell EMC storage system. The source of a SNAP DATASET or SNAP VOLUME must be defined as a standard device. The indicated volume was found to be defined as a BCV device.

Action

None.

ESNP102I

SOURCE VOLUME (*volser S/N sssssss-sssss/xxxx*) MUST BE A STD DEVICE, NOT A BCV DEVICE

Cause

An online volume with the indicated volser was found on a Dell EMC storage system. The source of a SNAP DATASET or SNAP VOLUME must be defined as a standard device. The indicated volume was found to be defined as a BCV device.

Action

None.

ESNP103E

SOURCE VOLUME (*volser S/N symm-serial/symdv#*) MICROCODE LEVEL MUST BE AT LEAST 5265

Cause

An online volume with the indicated volser was found on a Dell EMC storage system. The operating environment level in the storage system is lower than 5265.

Action

Upgrade the operating environment level in the storage system.

ESNP104E

SOURCE VOLUME (*volser S/N symm-serial/symdv#*) CANNOT BE A VIRTUAL DEVICE UNLESS A DATAMOVER IS USED

Cause

A snap is specifying a virtual device as the source volume. An Enginuity snap is not supported with virtual volumes.

Action

Correct the source location, or specify a datamover.

ESNP105E

REMOTE SOURCE VOLUME (*volser S/N symm-serial/symdv#*) MICROCODE LEVEL MUST BE AT LEAST 5X71

Cause

A remote request specified a gateway and SRDF group that led to a remote storage system that does not have the operating environment level to support the request.

Action

Either correct either the gateway device or SRDF group to a more valid combination or upgrade the operating environment in the remote storage system to support remote operations, at least a level of 5x71.

ESNP106E

LOCAL SOURCE VOLUME (*volser*) MICROCODE LEVEL MUST BE AT LEAST 5X71

Cause

A local request specified a gateway that led to a storage system that does not have the operating environment level to support the request.

Action

Either correct the gateway device to a more valid combination or upgrade the operating environment in the storage system to support these operations, at least a level of 5x71.

ESNP107E

SOURCE VOLUME REQUIRED, MISSING

Cause

A request is specified that requires a source volume, and it is missing.

Action

Add the source parameter to the request.

ESNP110E

INTERNAL EXTENT TABLE SIZE EXCEEDED

Cause

Too many extents are being copied with a single command.

Action

Break up the single command into multiple commands.

ESNP111E

INTERNAL SORT FAILED WITH CODE *code*

Cause

The internal sort has failed with the indicated code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP112I

COPY HAS BEEN INITIATED FOR *count* EXTENT(S) FROM VOLUME *volser* (S/N *symm-serial/symdv#*) TO VOLUME *volser* (S/N *symm-serial/symdv#*)

Cause

The storage system is now copying tracks from the indicated source volume to the indicated target volume.

Action

None.

ESNP113I

```
COPY HAS COMPLETED FOR # EXTENT(S) - count TRACK(S), REASON - rs  
FROM VOLUME volser (S/N symm-serial/symdv#) TO VOLUME volser  
(S/N symm-serial/symdv#)
```

Cause

The storage system has completed copying tracks from the indicated source volume to the indicated target volume.

The REASON code only appears when the operating environment operation fails and the datamover automatically takes over the copy action.

Reason codes include:

- 1F - The extent track is full.
- 22 - No available sessions.
- 25 - Some indirect tracks were found.
- 2C - Some protected tracks were found.
- 6E - Target has VDEV established.
- 9C - Target is source of clone operation.

Action

None.

ESNP114I

```
INVOKING EMCCOPY MICROCODE ASSIST
```

Cause

The EMCCOPY Enginuity assist has been invoked to copy tracks from a non-standard source device type to a non-standard target device type within the storage system. Normally, Enginuity is used to instantaneously copy tracks from a standard (STD) source device type to a business continuance volume (BCV) target device type.

Action

None.

ESNP115I

```
INVOKING IBM SNAPSHOT
```

Cause

TimeFinder detected the source and target datasets or volumes are on a non-Dell EMC SNAPSHOT capable storage system, so SNAPSHOT is being used to make an instant copy.

Action

None.

ESNP116I

```
INVOKING INTERNAL EMC MANUAL TRACK COPY
```

Cause

The Dell EMC internal track copy routine has been invoked to copy tracks from the source device to the target device.

Action

None.

ESNP117I

```
INVOKING INTERNAL EMC MANUAL CYLINDER COPY
```

Cause

The Dell EMC internal cylinder copy routine has been invoked to copy tracks from the source device to the target device.

Action

None.

ESNP118I

```
INVOKING IBM FLASHCOPY
```

Cause

TimeFinder detected the source and target datasets or volumes are on a FLASHCOPY capable storage system, so FLASHCOPY is being used to make an instant copy.

Action

None.

ESNP119E

```
CONSISTENT COPY ATTEMPTED, BUT TIMEOUT OCCURRED OR UNSUPPORTED
DEVICE, COPY NOT CONSISTENT
```

Cause

A consistent copy was requested and attempted. Although the copy completed, a timeout occurred and the copy may not be consistent. This may also occur when the storage system does not support ECA.

There is a GLOBAL statement parameter (ESNP119) which controls whether this situations is considered an error (GLOBAL ESNP119(ERROR)) or a warning (GLOBAL ESNP119(WARNING)) situation. This does not change the situation, it merely affects the final return code for this step where this occurs.

Action

The timeout parameter can be increased to a maximum value of 127. But this may impact applications attempting to use these devices. If the storage system does not support ECA, an operating environment upgrade may be required.

ESNP119W

```
CONSISTENT COPY ATTEMPTED, BUT TIMEOUT OCCURRED OR UNSUPPORTED
DEVICE, COPY NOT CONSISTENT
```

Cause

A consistent copy was requested and attempted. Although the copy completed, a timeout occurred and the copy may not be consistent. This may also occur when the storage system does not support ECA.

There is a GLOBAL statement parameter (ESNP119) which controls whether this situation is considered an error (GLOBAL ESNP119(ERROR)) or a warning (GLOBAL ESNP119(WARNING)) situation. This does not change the situation, it merely affects the final return code for this step where this occurs.

Action

The timeout parameter can be increased to a maximum value of 127. But this may impact applications attempting to use these devices. If the storage system does not support ECA, an operating environment upgrade may be required.

ESNP120E

```
TARGET DATASET ALREADY EXISTS AND REPLACE(YES) IS NOT SPECIFIED
```

Cause

The SNAP DATASET command has failed because the target dataset already exists.

Action

To automatically replace the target dataset, specify REPLACE(YES) on the command.

ESNP121I

```
DSNAME: dsname
```

Cause

This message immediately follows message ESNP120E and indicates the name of the target dataset which already exists.

Action

Refer to message ESNP120E.

ESNP122E

```
TARGET VOLUME CONTAINS DATASETS AND REPLACE(YES) IS NOT SPECIFIED  
- VOLUME: volser
```

Cause

The SNAP VOLUME command has failed because the target volume contains datasets.

Action

To automatically overlay the target volume datasets with the source volume, specify REPLACE(YES) on the command.

ESNP130E

```
TARGET UNITNAME (unitname) INVALID, RC: rc RS: reason
```

Cause

The UNITNAME parameter was specified on a SNAP DATASET command. The indicated unitname was not recognized by z/OS.

Action

Correct the unitname value.

ESNP140E

```
ERROR OCCURRED ISSUING ENQ FOR DATASET dsname ENQ RC: rc
```

Cause

An ENQ for the indicated dataset failed.

Action

None.

ESNP141E

```
UNABLE TO OBTAIN EXCLUSIVE ENQ FOR DATASET dsname RC: rc
```

Cause

An EXCLUSIVE ENQ for the indicated dataset failed. HOSTCOPYMODE(EXCLUSIVE) was indicated, the dataset was not exclusively available, and ENQWAIT(NO) was specified. TOLERATEENQFAILURE(NO) was also specified.

Action

Because TOLERATEENQFAILURE(NO) was specified, processing for this dataset stops. If

the dataset does not need to be exclusively accessed, change the HOSTCOPYMODE to either SHARED or NONE or specify TOLERATEENQFAILURE(YES).

ESNP142E

```
UNABLE TO OBTAIN SHARED ENQ FOR DATASET dsname RC: rc
```

Cause

A SHARED ENQ for the indicated dataset failed. HOSTCOPYMODE(SHARED) was indicated, the dataset was not available, and ENQWAIT(NO) was specified. TOLERATEENQFAILURE(NO) was also specified.

Action

Since TOLERATEENQFAILURE(NO) was specified, processing for this dataset will stop. For processing to continue, change HOSTCOPYMODE to NONE or specify TOLERATEENQFAILURE(YES).

ESNP143W

```
UNABLE TO OBTAIN EXCLUSIVE ENQ FOR DATASET dsname
```

Cause

An EXCLUSIVE ENQ for the indicated dataset failed. HOSTCOPYMODE(EXCLUSIVE) was indicated and the dataset was not exclusively available. TOLERATEENQFAILURE(YES) was specified so processing will continue.

Action

None.

ESNP144W

```
UNABLE TO OBTAIN SHARED ENQ FOR DATASET dsname
```

Cause

A SHARED ENQ for the indicated dataset failed. HOSTCOPYMODE(SHARED) was indicated and the dataset was not exclusively available. TOLERATEENQFAILURE(YES) was specified so processing continues.

Action

None.

ESNP145I

```
WAITING FOR EXCLUSIVE ENQ FOR DATASET dsname
```

Cause

An exclusive ENQ for the indicated dataset has been issued. However, it is not immediately available; ENQWAIT(YES) was specified, processing waits until the dataset is exclusively available.

Action

None.

ESNP146I

```
WAITING FOR SHARED ENQ FOR DATASET dsname
```

Cause

A shared ENQ for the indicated dataset has been issued. However, it is not immediately available; ENQWAIT(YES) was specified, therefore processing waits until the dataset is

available.

Action

None.

ESNP150E

```
TARGET DATASET ALREADY EXISTS AND REPLACE(YES) IS NOT SPECIFIED -  
DSNAME: dsname
```

Cause

The SNAP DATASET command has failed because the target dataset already exists.

Action

To automatically replace the target dataset, specify REPLACE(YES) on the command.

ESNP151I

```
TARGET DATASET ALREADY EXISTS AND REPLACE(YES) IS SPECIFIED,  
DATASET WILL BE DELETED
```

Cause

The target dataset already exists and REPLACE(YES) is specified. The existing target dataset will be deleted.

Action

None.

ESNP152I

```
DSNAME: dsname
```

Cause

This message immediately follows message ESNP151I or ESNP153E and identifies the target dataset.

Action

See message ESNP151I or ESNP153E.

ESNP153E

```
TARGET DATASET ALREADY EXISTS AND REPLACE(YES) IS SPECIFIED.
```

Cause

The target dataset already exists and REPLACE(YES) is specified. But the target dataset does not reside on a BCV volume. The target dataset will not be deleted.

Action

Manually delete the indicated target dataset.

ESNP154E

```
BUT DATASET DOES NOT RESIDE ON A BCV VOLUME, UNABLE TO DELETE  
DATASET
```

Cause

This is a continuation of message ESNP153E.

Action

See message ESNP153E.

ESNP155E

TARGET DATASET ALREADY EXISTS, BUT HAS BEEN MIGRATED

Cause

The intended target dataset already exists, but it has been migrated. Unable to replace or delete the dataset unless it resides on a BCV device.

The site options table (EMCSNAPO) dictate whether this is considered a warning or an error. Refer to the site options parameter MIGRATRC, which may be set to a value of 4 or 8. The default is 8 and will produce message ESNP155E. If 4 is selected, message ESNP155W will be used instead.

Action

Either uncatalog the dataset or migrate the dataset back to a BCV device.

ESNP155W

TARGET DATASET ALREADY EXISTS, BUT HAS BEEN MIGRATED

Cause

The intended target dataset already exists, but it has been migrated. Unable to replace or delete the dataset unless it resides on a BCV device.

The site options table (EMCSNAPO) dictate whether this is considered a warning or an error. Refer to the site options parameter MIGRATRC, which may be set to a value of 4 or 8. The default is 8 and will produce message ESNP155E. If 4 is selected, message ESNP155W will be used instead.

Action

Either uncatalog the dataset or migrate the dataset back to a BCV device.

ESNP156E

TARGET DATASET IS CATALOGUED TO A VOLUME WHICH IS NOT ONLINE

Cause

The target dataset is not mounted on an available device. It cannot be scratched or reused.

Action

Mount the volume containing the desired target dataset or uncatalog the dataset.

ESNP157I

TARGET DATASET ALREADY EXISTS AND IS NOT REUSABLE

Cause

The target dataset already exists, and REPLACE(YES) and REUSE(YES) have been specified. The dataset must meet the following criteria to be reusable.

- VSAM source must match VSAM target. Non-VSAM source must match non-VSAM target.
- Dataset type (DSORG) of the source dataset must match the dataset type of the target dataset.
- Stripe count must be identical.
- Neither the source or target VSAM KSDS dataset may use IMBED or REPLICATE.
- The target dataset must be at least as large as the source dataset.

Action

The target dataset will be erased and a new target dataset will be allocated.

ESNP158E

```
TARGET DATASET ALREADY EXISTS AND IS NOT REUSABLE
```

Cause

The target dataset already exists, and REPLACE(YES) and REUSE(YES) have been specified. The dataset must meet the following criteria to be reusable.

- VSAM source must match VSAM target. Non-VSAM source must match non-VSAM target.
- Dataset type (DSORG) of the source dataset must match the dataset type of the target dataset.
- Stripe count must be identical.
- Neither the source or target VSAM KSDS dataset may use IMBED or REPLICATE.
- The target dataset must be at least as large as the source dataset.

Action

Make the appropriate changes to the source and (or) target datasets to meet the reusable criteria. To replace the target dataset instead of reusing it, use the REPLACE(YES) and REUSE(NO) parameters.

ESNP159E

```
TARGET DATASET IS CATALOGUED TO A TAPE VOLUME, UNABLE TO DELETE DATASET
```

Cause

The target dataset already exists and is catalogued to a tape volume.

Action

Manually uncatalog the target dataset, or change the target dataset name.

ESNP160E

```
TARGET UNITNAME (unitname) INVALID, RC: rc RS: reason
```

Cause

The UNITNAME parameter was specified on a SNAP DATASET command. The indicated unitname was not recognized by z/OS.

Action

Correct the unitname value.

ESNP170E

```
ERROR RETURNED FROM DEVTYPE WHILE PROCESSING  
VOLUME volser (S/N symm-serial/symdv#) RC: rc
```

Cause

A request to z/OS to obtain the device type information about the indicated volume failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP171E

```
I/O ERROR OCCURRED WHILE CHECKING MICROCODE PATCHES FOR  
VOLUME volser (S/N symm-serial/symdv#) RC: rc
```

Cause

An I/O error occurred while obtaining the operating environment level and list of applied patches.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP172E

```
MICROCODE LEVEL level REQUIRED, VOLUME volser (S/N symm-serial/symdv#) AT AN INSUFFICIENT LEVEL
```

Cause

The storage system is not at the required operating environment level.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP173E

```
SOME REQUIRED MICROCODE PATCHES ARE MISSING ON  
VOLUME volser (S/N symm-serial/symdv#)
```

Cause

The storage system is at the required operating environment level, but some required patches are missing.

Action

Message ESNP174E will be issued identifying the missing patches.

ESNP174E

```
REQUIRED MICROCODE PATCH patch MISSING
```

Cause

This message follows message ESNP173E and identifies the missing patch(es).

Action

See message ESNP173E.

ESNP175E

```
UNABLE TO SNAP AN FBA DEVICE - volser (S/N symm-serial/symdv#)
```

Cause

A request to snap an FBA device was encountered. Site options do not allow snapping of an FBA device.

Action

Contact your site administrator to enable this site option.

ESNP176E

```
UNDER VM, VOLUME volser (S/N symm-serial/symdv#) MUST BE A  
DEDICATED DEVICE
```

Cause

The requested volume is not a VM dedicated device. The syscall interface is not supported by VM.

Action

Another device must be used or the device must be made a VM dedicated device.

ESNP177E

```
ERROR RETURNED FROM FC01 REQUEST, RC: xx R0/R1: xxxxxxxx/xxxxxxxx
```

Cause

An error occurred attempting to validate the device.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP178E

```
UNABLE TO SNAP A COVD DEVICE - volser (S/N symm-serial/symdv#)
```

Cause

An attempt was made to snap a COVD device. This action is not supported.

Action

Use a different device. COVD devices are not supported by TimeFinder.

ESNP179E

```
UNABLE TO SNAP A MIGRATION DEVICE - volser (S/N symm-  
serial/symdv#)
```

Cause

An attempt was made to snap a device in Migration Mode. This action is not supported.

Action

Use a different device or take the device out of migration mode.

ESNP180E

```
MULTIPLE SOURCE MATCHES FOUND, BUT TARGET NAME IS NOT WILDCARDED
```

Cause

The source dataset name specified on the SNAP DATASET command resulted in multiple source datasets being selected for copying, but the target dataset name specified was not wild carded and a unique target dataset name cannot be determined for each of the selected source datasets.

Action

Correct the source dataset name to limit the datasets being selected, or change the target dataset name mask to allow unique target dataset names to be generated for each of the

selected source datasets.

ESNP181I

SOURCE MATCHES ARE:

Cause

This message is produced immediately after ESNP180E and prior to ESNP182I. See ESNP180E for further information.

Action

None

ESNP182I

dsname

Cause

This is a continuation of message ESNP181I.

Action

See message ESNP180E.

ESNP183E

CATALOG(NO) SPECIFIED, BUT NOT SUPPORTED

Cause

CATALOG(NO) parameter was specified on the SNAP DATASET command. This parameter is not supported.

Action

Remove the CATALOG(NO) parameter.

ESNP184E

RELATE PARAMETER CANNOT BE USED WITH WILD SOURCE OR TARGET NAMES

Cause

The RELATE parameter has been specified on the SNAP DATASET command. Either (or both) SOURCE and TARGET parameters have been specified with wild card characters. The RELATE parameter is only allowed with specific SOURCE and TARGET specifications.

Action

Correct the SOURCE and (or) TARGET parameter to specifically identify the source and target datasets.

ESNP185E

RELATE PARAMETER SPECIFIED FOR DATASET: *dsname*

Cause

The RELATE parameter has been specified for the identified source dataset. The RELATE parameter may only be used with an Alternate Index (AIX) dataset. The identified source dataset is not an AIX.

Action

Either remove the RELATE parameter or correct the source dataset name.

ESNP186E

SOURCE (DSNAME) AND INDDNAME (DDNAME) ARE MUTUALLY EXCLUSIVE

Cause

Both SOURCE and INDDNAME parameters have been used to identify the source for a SNAP DATASET operation.

Action

Remove one of the parameters.

ESNP187E

TARGET (DSNAME) AND OUTDDNAME (DDNAME) ARE MUTUALLY EXCLUSIVE

Cause

Both TARGET and OUTDDNAME parameters have been used to identify the target for a SNAP DATASET operation.

Action

Remove one of the parameters.

ESNP188W

NO DATASETS MATCHING SOURCE DATASET NAME WERE SELECTED FOR PROCESSING

Cause

Either the specified source dataset mask did not match any datasets, or datasets were found that may not meet certain selection criteria.

Action

Review messages immediately prior to this message in the output log.

ESNP190I

BCVGROUP PARSING BEGINNING

Cause

The BCVGROUP input file parsing is beginning.

Action

None.

ESNP191I

BCVGROUP STATEMENT *stmt#*

Cause

Parsing of the next input BCVGROUP command is beginning.

Action

None.

ESNP192E

BCVGROUP COMMAND FORMAT INVALID

Cause

A syntax error was detected while parsing a BCVGROUP command.

Action

Correct the syntax error.

ESNP193E

```
BCVGROUP NAME MISSING, REQUIRED
```

Cause

The BCVGROUP name is a required parameter on the BCVGROUP command.

Action

Correct the BCVGROUP command by adding the BCVGROUP name.

ESNP197I

```
BCVGROUP PARSE COMPLETE
```

Cause

Parsing of the input BCVGROUP file is complete.

Action

None.

ESNP198E

```
BCVGROUP PARSE COMPLETED WITH ERRORS, RUN TERMINATED
```

Cause

An error was detected while parsing the input BCVGROUP commands.

Action

Correct the previously identified errors and submit again.

ESNP1A0I

```
PROCESSING FOR STATEMENT stmt# RESUMED, CREATE SNAPSHOT FOR  
VOLUME volser
```

Cause

Processing of the indicated statement has been resumed.

Action

None.

ESNP1A1I

```
PROCESSING FOR STATEMENT stmt# BEGINNING, CREATE SNAPSHOT FOR  
VOLUME volser
```

Cause

Processing of the indicated statement has begun.

Action

None.

ESNP1A3I

```
PROCESSING FOR STATEMENT stmt# RESUMED, LINK SNAPSHOT FOR  
VOLUME volser
```

Cause

Processing of the indicated statement has been resumed.

Action

None.

ESNP1A4I

```
PROCESSING FOR STATEMENT stmt# BEGINNING, command
```

Cause

The indicated statement for the indicated command has been passed to API for processing.

Action

None.

ESNP1AAI

```
message-text
```

Cause

This message displays the results returned by the QUERY SNAPSHOT, QUERY FREE, or QUERY VOLUME command.

For explanation of fields, see the description of the QUERY SNAPSHOT or QUERY FREE command in the *TimeFinder SnapVX and zDP Product Guide*.

Action

None.

ESNP1ABI

```
PROCESSING FOR STATEMENT stmt# BEGINNING, QUERY SNAPSHOT FOR  
VOLUME volser
```

Cause

Processing of the indicated statement has begun.

Action

None.

ESNP1ACI

```
NO SNAPSHOTS FOUND FOR REQUESTED DEVICE(S)
```

Cause

The requested device or devices have no snapshots.

Action

None.

ESNP1AFE

```
ERROR GETTING DEVICE DEFINITION STATUS, RC=rc
```

Cause

This can occur when a quick configuration check fails because the device is not in the ready state.

Action

Ensure that the device is ready and then repeat the configuration check.

ESNP1AGI

```
WAITING FOR TARGET TO BE FULLY DEFINED,
```

```
DEVICE#: syndv# VOLSER: volser S/N: symm-serial
```

Cause

Before unlinking, the target device is queried to ensure it is defined. If it is not defined yet, this message is issued.

Action

None.

ESNP1AII

```
WAITING FOR TARGET TO BE FULLY DEFINED, DEVICE#: syndv#  
S/N: symmserial REMAINING TRACKS: count
```

Cause

Before unlinking, the target device is queried to ensure it is defined. If it is not defined yet, this message is issued.

Action

None.

ESNP1B0E

```
TARGET DEVICE IS ALREADY A TARGET
```

Cause

The target of a snap operation is already the target for another source.

Action

Remove the existing source to target relationship before attempting to use the target device.

ESNP1B2E

```
CONSISTENT ACTIVATE INCLUDES MULTIPLE SRDF/A GROUPS WITHOUT MSC,  
CONSISTENCY CANNOT BE ASSURED
```

Cause

A consistent ACTIVATE was requested, but the devices included in the ACTIVATE span multiple SRDF/A groups that are not under the control of MSC (Multi-Session Consistency). MSC assures consistency between multiple SRDF groups.

Action

Either change your request to remove any devices that are in SRDF groups not under the control of MSC, or place all of the SRDF groups for your requested devices under the control of MSC.

ESNP1B4E

```
DEVICE TO UNLINK IS NOT LINKED
```

Cause

An unlink command was issued against a device that was not currently linked.

Action

Issue a QUERY SNAPSHOT command to the target device and verify it is linked before issuing an UNLINK command to that device.

If you have verified the target device is in fact linked and the unlink command is still issuing this error message, contact Dell EMC Technical Support.

ESNP1B4W

ATTEMPTING TO UNLINK BUT NO LINKS EXIST

Cause

An UNLINK was attempted against a device that has no existing links.

Action

None.

ESNP1B5W

ATTEMPTING TO TERMINATE A NON-EXISTING SNAPSHOT

Cause

An attempt was made to terminate a snapshot that does not exist.

Action

None.

ESNP1B6E

EMC SNAP API - ERROR UNLINKING SOFTRESTORED SNAPSHOT

Cause

An attempt was made to unlink a restored device with SOFTRESTORE(NO) specified, or to unlink a non-restored device with SOFTRESTORE(YES) specified.

Action

Correct the specification and retry.

ESNP1B7E

Target is not linked with SNAPSHOT which has been specified in NAME() parameter.

Cause

The STOP SNAP TO VOLUME command with the NAME parameter was issued against a device which has no linked snapshot with the specified name.

Action

Check the state of the snapshot. Ensure the snapshot is linked before trying to unlink. The snapshot should not be hardlinked.

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP1C0I

BEGINNING META DEVICE ANALYSIS

Cause

A meta device was detected in the request stream. The meta device analysis will ensure that all members of a logical meta device have been selected for processing.

Action

None

ESNP1C1E

MISSING "SNAP VOLUME" FOR META MEMBERS - CONTROLLER=*symm-serial* SRC MEMBER#: *symdv#* TGT MEMBER#: *symdv#*

Cause

Meta device analysis has found that a member of the source and target are not being processed in the input stream. The meta device members must be processed in the correct sequence and all of the members must be selected for processing.

Action

Add a SNAP VOLUME statement for the missing members and resubmit.

ESNP1C2E

```
STATEMENT stmt# SOURCE IS META HEAD DEVICE, TARGET IS NOT
```

Cause

Meta device analysis has determined that the source device in this request is a meta head device, and the target device is not.

Meta devices must be copied to meta devices. They must have the same geometry, same number of members, the members must be the same size, and they must use the same stripe method.

Action

Choose proper devices.

ESNP1C3E

```
STATEMENT stmt# TARGET IS META HEAD DEVICE, SOURCE IS NOT
```

Cause

Meta device analysis has determined that the target device in this request is a meta head device, and the source device is not.

Meta devices must be copied to meta devices. They must have the same geometry, same number of members, the members must be the same size, and they must use the same stripe method.

Action

Choose proper devices.

ESNP1C4I

```
STATEMENT stmt# BEGINNING META DEVICE ANALYSIS
```

Cause

Meta device analysis is beginning for the identified statement.

Action

None.

ESNP1C5I

```
CONTROLLER: symm-serial SOURCE DEVICE#: syndv# TARGET DEVICE#: syndv#
```

Cause

This is a continuation of ESNP1C4I. This message identifies the storage system and devices being analyzed.

Action

None.

ESNP1C6E

SOURCE META HEAD DEVICE# - *syndv#* - DOES NOT MATCH RETRIEVED META HEAD DEVICE# - *syndv#*

Cause

An internal error has been detected. The device is identified as the head of a meta logical device, but the meta information does not match.

Action

Contact Dell EMC Technical Support for assistance.

ESNP1C7E

TARGET META HEAD DEVICE# - *syndv#* - DOES NOT MATCH RETRIEVED META HEAD DEVICE# - *syndv#*

Cause

An internal error has been detected. The device is identified as the head of a meta logical device, but the meta information does not match.

Action

Contact Dell EMC Technical Support for assistance.

ESNP1C8E

THE META HEADS DO NOT HAVE THE SAME NUMBER OF MEMBERS -
SRC: *count* TGT: *count*

Cause

The two meta head devices selected do not have the same number of members. The number of meta members for the source and the target are identified.

Action

For meta logical devices, you must copy to identical configurations.

ESNP1C9E

THE META HEADS DO NOT HAVE THE SAME NUMBER OF STRIPES -
SRC: *count* TGT: *count*

Cause

The two meta head devices selected do not have the same number of stripes. The type of striping used with the meta device for the source and the target are identified.

Action

For meta logical devices, you must copy to identical configurations.

ESNP1D0I

VERIFY META MEMBERS ARE ALSO PROCESSED - CONTROLLER=*symm-serial* SRC MEMBER#: *syndv#* TGT MEMBER#: *syndv#*

Cause

A SNAP VOLUME request for a meta head device has been encountered during meta device analysis. Now processing verifies that each meta member for both the source and target also have a request in the input job stream. The meta members being checked are indicated.

Action

None.

ESNP1D1E

STATEMENT *stmt#* VOLUME *volser* (S/N *symm-serial/symdv#*) META MEMBER, META HEAD MUST BE ALSO PROCESSED.

Cause

A SNAP VOLUME statement was encountered in the input stream that references a FBA meta member. Meta members may only be copied when all meta member and the meta head device are being copied. The whole logical meta device must be copied together.

Action

A SNAP VOLUME statement is required for the meta head device, and all meta member devices.

ESNP1E0E

SNAPSHOT NAME *snapshot_name* CONTAINS AN INVALID CHARACTER

Cause

The snapshot name you specified contains an invalid character.

Action

Correct the snapshot name so that it does not include any invalid characters.

ESNP1E2E

SNAPSHOT NAME "*snapshot_name*" CONTAINS AN EMBEDDED BLANK, NOT SUPPORTED

Cause

The specified snapshot name contained a blank. This is not allowed.

Action

Correct the snapshot name.

ESNP1E3E

PERIODS ARE ONLY ALLOWED IN SNAPSHOT NAME WHEN ZDP(YES) SPECIFIED

Cause

The snapshot name you specified contains a period and ZDP(NO) is set, which is not allowed.

Action

Specify a snapshot name that does not contain a period or set ZDP(YES), then retry.

ESNP1F0E

UNLINK_AFTER_COPY(YES) AND MODE(NOCOPY) ARE MUTUALLY EXCLUSIVE

Cause

The UNLINK_AFTER_COPY parameter was set to YES while the MODE parameter was set to NOCOPY. This is not allowed.

Action

Correct the specification and retry.

ESNP1F2E

RESTORE_CREATE_NAME SHOULD BE SPECIFIED WITH RESTORE_CREATE(Y)

Cause

The RESTORE_CREATE parameter or the matching site option was set to YES but the

RESTORE_CREATE_NAME parameter was not specified.

Action

Specify the RESTORE_CREATE_NAME parameter and retry.

ESNP1F3I

CHECK_SNAPSHOT_SIZE(YES) MAY BE NEEDED IF SNAPSHOT WAS CREATED BEFORE EXPANSION OF SOURCE DEV

Cause

This message follows message ESNP032E or ESNPC47E. This message means that the size of the source device (cylinders) differs from the size of the target device, possibly due to dynamic expansion of the source device.

Action

If the device was expanded after the snapshot had been taken, set the CHECK_SNAPSHOT_SIZE parameter to YES.

ESNP1F4W

MODE(NOCOPY|NOCOPYRD) NOT ALLOWED FOR LINK(RESTORE), ASSUMED MODE(COPY)

Cause

An attempt to restore a snapshot using the LINK command was made with the MODE(NOCOPY|NOCOPYRD) setting in effect. This is not allowed.

Action

None.

ESNP1H0E

DUPLICATE PAIR PASSED IN SEPARATE LINK COMMANDS

Cause

Two of the same source and target device pairs were passed into the SOURCE and TARGET parameters of the two different LINK commands.

Action

Remove the duplicate source and target device pairs from one of the LINK commands or place the link commands into two different JCL job steps.

ESNP1I0W

A QUERY VOLUME REQUIRED PARAMETER WAS NOT PROVIDED

Cause

A QUERY VOLUME command was issued but a required parameter was not specified. The command failed.

Action

Specify all required parameters and re-issue the command.

ESNP1I1I

QUERY BY CCUU ISSUED - DISPLAY_CUU CHANGED TO YES

Cause

The DISPLAY_CUU parameter value has been changed to YES due to a query command issued using the CCUU parameter.

Action

None.

ESNP1I2E

```
ATTEMPTING TO CREATE A SECURE SNAPSHOT ON THE SYMMETRIX THAT IS
OUT OF SRP
```

Cause

This message appears when attempting to create a secure snapshot but the SRP is out of available capacity.

1 to 80% of SRP capacity can be reserved for host I/O (the default is 10%). If the allocated capacity percentage is higher than '100% - reserved capacity %' (default is 90%), secure snapshot creation is blocked and this message appears.

Action

Check the SRP using the QUERY SRP command described in the *ResourcePak Base for z/OS Product Guide*. Review the allocated and reserved capacity percentages. If necessary, issue the SET SRP command with the RESV_CAP parameter to lower the reserved capacity percentage.

Free any unused volumes that has allocations in this SRP using the SnapVX FREE command to free some capacity, as described in the *TimeFinder SnapVX and zDP Product Guide*.

ESNP1J0I

```
SETTING WAIT_FOR_DEFINITION(NO) DUE TO FREE(YES) PARM
```

Cause

The WAIT_FOR_DEFINITION parameter has been set to NO on the current command because FREE(YES) was specified for the command.

Action

None.

ESNP1K0E

```
FREE OPERATION IS NOT ALLOWED ON AN RDF DEVICE
```

Cause

A FREE operation was requested but the specified device is an SRDF device. FREEing SRDF devices is not allowed.

Action

Correct device specification and retry.

ESNP1L0I

```
SRP# srp_id USAGE INFORMATION FOR
CUU:ccuu SER#:symmserial MHOP:hoplist
CAPACITY/USED TRKS:capacity/used-tracks SRP % USED
TOT/CKD/FBA:nnn%/nnn%/nnn% SNAPSHOT TRKS:number-of-tracks RESRVD
CAP:nnn%
```

Cause

Shows summary usage information for a storage resource pool (SRP) used as a target during a LINK operation.

You can skip displaying this message by specifying the SKIP option on the GLOBAL SRP_PERCENT parameter, as described in the *TimeFinder SnapVX and zDP Product Guide*.

If the MHOP value is equal to all FF, then the storage system being accessed is locally attached to the LPAR and the CUU is on the storage system you are attempting to access.

Action

None.

ESNP1M0I

```
RESTORE_CREATE(Y) IGNORED, only supported for the restore operation
```

Cause

The RESTORE_CREATE(YES) parameter is ignored because the LINK source device does not match the target device.

Action

None.

ESNP200E

```
INSUFFICIENT AUTHORITY TO {READ|ALTER} VOLUME volser
```

Cause

A security check was made to determine whether this job has the authority to perform the indicated action on the indicated volser. The action will be READ for the source volume or ALTER for the target volume.

Action

Obtain the proper authority to perform the requested action.

ESNP210I

```
RESET EXTENT TRACK COMPLETED
```

Cause

An extent track diagnostic command has completed.

Action

None.

ESNP220E

```
SOURCE DATASET HAS NO EXTENTS
```

Cause

A SNAP DATASET command has specified a dataset which has no extents. GLOBAL and SNAP DATASET parameter ESNP220 control whether this is an error or a warning. As an error, it will terminate processing and end with a rc=8. As a warning, the dataset will be ignored (skipped) and processing will continue with other datasets, ending with a rc=4.

Action

Review the source dataset to determine why it has no allocated space.

ESNP220W

```
SOURCE DATASET HAS NO EXTENTS
```

Cause

A SNAP DATASET command has specified a dataset which has no extents. GLOBAL and SNAP DATASET parameter ESNP220 control whether this is an error or a

warning. As an error, it will terminate processing and end with a rc=8. As a warning, the dataset will be ignored (skipped) and processing will continue with other datasets, ending with a rc=4.

Action

Review the source dataset to determine why it has no allocated space.

ESNP221E

```
SOURCE DATASET IS CATALOGUED TO A VOLUME WHICH IS NOT ONLINE
```

Cause

A SNAP DATASET command has specified a dataset catalogued to a volume which is not online.

Action

Vary the volume containing the dataset online.

ESNP222E

```
SOURCE DATASET NOT FOUND ON CATALOGUED VOLUME
```

Cause

A SNAP DATASET command has specified a dataset which is catalogued on a volume, but the dataset is not found in the volume table of contents.

Action

Correct the catalog entry for the indicated dataset.

ESNP223E

```
SOURCE DATASET HAS BEEN MIGRATED
```

Cause

A SNAP DATASET command specifies a dataset which is migrated.

The site options table (EMCSNAPO) dictate whether this is considered a warning or an error. Refer to the site options parameter MIGRATRC, which may be set to a value of 4 or 8. The default is 8 and will produce message ESNP223E. If 4 is selected, message ESNP223W will be used instead.

Action

Restore the migrated dataset.

ESNP223W

```
SOURCE DATASET HAS BEEN MIGRATED
```

Cause

A SNAP DATASET command specifies a dataset which is migrated.

The site options table (EMCSNAPO) dictate whether this is considered a warning or an error. Refer to the site options parameter MIGRATRC, which may be set to a value of 4 or 8. The default is 8 and will produce message ESNP223E. If 4 is selected, message ESNP223W will be used instead.

Action

Restore the migrated dataset.

ESNP224I

```
DATASET MUST BE RESTORED BEFORE COPYING
```

Cause

This message immediately follows message ESNP223E.

Action

See message ESNP223E.

ESNP225E

```
ALL OF THE SOURCE DATASET EXTENTS MUST RESIDE IN THE SAME  
SYMMETRIX CONTROL UNIT
```

Cause

All of the extents for the source dataset must reside within the same storage system.

Action

Ensure that all of the extents for the source dataset reside in the same storage system.

ESNP226E

```
ALL OF THE SOURCE DATASET EXTENTS MUST BE THE SAME DEVICE TYPE
```

Cause

All of the extents for the source dataset must be the same device type. For instance, all extents must be on a 3380 device, or all extents on a 3390 device.

Action

Ensure that all of the extents for the source dataset reside on the same device type.

ESNP227E

```
ALL OF THE SOURCE DATASET EXTENTS MUST HAVE THE SAME TRACK SIZE
```

Cause

All of the extents for the source dataset must be on devices with the same track size.

Action

Ensure that all extents for the source dataset reside on devices with the same track size.

ESNP228I

```
DSNAME :
```

Cause

This message immediately follows another message and identifies the source dataset with the error.

Action

See message ESNP227E.

ESNP229I

```
SOURCE DATASET IS CATALOGUED TO A TAPE VOLUME, IGNORED
```

Cause

The source dataset is catalogued to a tape volume. The source dataset will be ignored.

Action

To snap this file, you must first locate it on a DASD device. Message ESNP229I is followed by message ESNP228I that identifies the source dataset.

ESNP230E

ERROR RETURNED FROM EXTENTS PROGRAM - RC: *rc* RS: *reason*

Cause

An internal error was detected by the EXTENTS program.

Action

The *TimeFinder/Clone Mainframe Snap Facility Product Guide* lists the EXTENT error codes.

ESNP231E

NO DATASETS FOUND MATCHING SOURCE DATASET NAME

Cause

A SNAP DATASET command specified a source dataset name which does not match any names in the system catalog.

Site option ESNP231E controls whether message ESNP231E is issued, which terminated the request. Or ESNP231W is issued, which allows processing to continue. Refer to the site options for more information.

Action

Correct the SNAP DATASET command source dataset name.

ESNP231W

NO DATASETS FOUND MATCHING SOURCE DATASET NAME

Cause

A SNAP DATASET command specified a source dataset name which does not match any names in the system catalog.

Site option ESNP231E controls whether message ESNP231E is issued, which terminated the request. Or ESNP231W is issued, which allows processing to continue. Refer to the site options for more information.

Action

Correct the SNAP DATASET command source dataset name.

ESNP232E

TOO MANY DATASETS FOUND MATCHING DATASET NAME, BE MORE EXPLICIT

Cause

A SNAP DATASET command specified a wild carded source dataset name. Too many matches were encountered.

Action

Break up the single command into multiple commands.

ESNP233E

INVALID MASK SPECIFIED FOR DATASET

Cause

A SNAP DATASET command specified a wild-carded source dataset name. The source dataset name contained an invalid wild card mask.

Action

Correct the source dataset name.

ESNP234E

DATASET OCCUPIES NO SPACE (0 TRACKS)

Cause

A SNAP DATASET command specified a source dataset name for a dataset that has no space allocated.

Action

Datasets with no space allocated cannot be copied.

ESNP240E

UNABLE TO PROCEED WITH TARGET DATASET ALLOCATION

Cause

Allocation of the target dataset cannot occur because the source dataset is not supported.

Action

This message is immediately followed by another message containing the reason why the source dataset is not supported. See message ESNP241E.

ESNP241E

SOURCE DATASET HAS DSORG=U - DSNAME: *dsname*

Cause

The indicated dataset has DSORG=U. This is not a supported dataset type.

Action

Do not attempt to copy a dataset with DSORG=U.

ESNP242E

SOURCE DATASET HAS ABSOLUTE ALLOCATION (ABSTR) - DSNAME: *dsname*

Cause

The indicated dataset was allocated with absolute allocation. This is not a supported dataset type.

Action

Do not attempt to copy a dataset allocated with absolute allocation.

ESNP243E

SOURCE DATASET IS AN ISAM DATASET - DSNAME: *dsname*

Cause

The indicated dataset is an ISAM dataset. This is not a supported dataset type.

Action

Do not attempt to copy an ISAM dataset.

ESNP244E

SOURCE DATASET IS AN OPEN EDITION HFS DATASET - DSNAME: *dsname*

Cause

The indicated dataset is an Open Edition HFS dataset. This is not a supported dataset type.

Action

Do not attempt to copy an Open Edition HFS dataset.

ESNP245E

SOURCE DATASET IS A PAGE OR SWAP DATASET -DSNAME: *dsname*

Cause

The indicated dataset is a page or swap dataset. This is not a supported dataset type.

Action

Do not attempt to copy a page or swap dataset.

ESNP246E

SOURCE DATASET HAS IMBED SPECIFIED - DSNAME: *dsname*

Cause

The indicated dataset is a VSAM dataset with the IMBED option. This is not a supported dataset type.

Action

To copy this type of dataset, you must specify DATAMOVERNAME(DFDSS).

ESNP246I

SOURCE DATASET HAS IMBED SPECIFIED - DSNAME: *dsname*

Cause

The indicated dataset is a VSAM dataset with the IMBED option. Because DATAMOVERNAME(DFDSS) was specified, this dataset will be copied using that datamover.

Action

None.

ESNP247E

SOURCE DATASET HAS REPLICATE SPECIFIED - DSNAME: *dsname*

Cause

The indicated dataset is a VSAM dataset with the REPLICATE option. This is not a supported dataset type.

Action

To copy this type of dataset, you must specify DATAMOVERNAME(DFDSS).

ESNP247I

SOURCE DATASET HAS REPLICATE SPECIFIED - DSNAME: *dsname*

Cause

The indicated dataset is a VSAM dataset with the REPLICATE option. Because DATAMOVERNAME(DFDSS) was specified, this dataset will be copied using that datamover.

Action

None.

ESNP248E

SOURCE DATASET IS UNDEFINED - DSNAME: *dsname*

Cause

The indicated dataset type is undefined. This is not a supported dataset type.

Action

To copy this type of dataset, you must specify DATAMOVERNAME(DFDSS).

ESNP248I

```
SOURCE DATASET IS UNDEFINED - DSNAME: dsname
```

Cause

The indicated dataset type is undefined. Because DATAMOVERNAME(DFDSS) was specified, this dataset will be copied using that datamover.

Action

None.

ESNP249E

```
SOURCE DATASET IS EXTENDED FORMAT VSAM - DSNAME: dsname
```

Cause

The indicated dataset is an extended format VSAM dataset. This is not a supported dataset type.

Action

Do not attempt to copy an extended format VSAM dataset.

ESNP250E

```
TARGET VOLUME NOT AVAILABLE FOR SNAP VOLUME, MUST FIRST BE  
RELEASED
```

Cause

The target volume for a SNAP VOLUME command has been held. The hold may have been manually requested through TimeFinder, or automatically held from a previous SNAP VOLUME.

Action

The target volume must be released through TimeFinder before the SNAP VOLUME can use it.

If this message appears when you attempt to SNAP VOLUME to a FlashCopy target, remove the FlashCopy relationship and retry.

ESNP260E

```
READ FOR TARGET DATASET DSCB FAILED, CVAFDIR RC: rc
```

Cause

An attempt to read the target dataset DSCB has failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP261E

```
WRITE FOR TARGET DATASET DSCB FAILED, CVAFDIR RC: rc
```

Cause

An attempt to write the target dataset DSCB has failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP262I

```
TARGET DATASET NAME: dsname VOLSER: volser
```

Cause

This message immediately follows message ESNP260E or ESNP261E and identifies the target dataset.

Action

See message ESNP260E or ESNP261E.

ESNP270E

```
READ FOR SOURCE DATASET DSCB FAILED, CVAFDIR RC: rc
```

Cause

An attempt to read the source dataset DSCB has failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP271I

```
SOURCE DATASET NAME: dsname VOLSER: volser
```

Cause

This message immediately follows message ESNP270E and identifies the source dataset.

Action

See message ESNP270E.

ESNP280E

```
READ OF VVDS RECORDS FAILED, RC: rc
```

Cause

An attempt to read the VVDS record for the source dataset has failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP281I

```
SOURCE DATASET NAME: dsname VOLSER: volser
```

Cause

This message immediately follows message ESNP280E and identifies the source dataset.

Action

See message ESNP280E.

ESNP290E

```
TARGET DATASET ALLOCATED, BUT IT IS TOO SMALL - DSNAME: dsname
```

Cause

The indicated target dataset has been allocated, but it not as large as the source dataset. All attempts to expand the dataset to the proper size failed. This source dataset is not copied.

Action

Ensure that the target volume has enough space for the target dataset. You must provide more space on the target volume, or provide alternate or additional volumes. For non-VSAM files, you may specify the TOLERATETRUNCATION(YES) parameter to allow the copy to proceed using the allocated space.

ESNP291W

```
TARGET DATASET IS NOT AS LARGE AS SOURCE DATASET - DSNAME: dsname
```

Cause

The indicated target dataset has been allocated, but it is not as large as the source dataset. All attempts to expand the target dataset to the proper size failed. The TOLERATETRUNCATION(YES) parameter was specified, so the dataset is copied using the allocated space.

Action

None.

ESNP292W

```
DATA LOSS MAY OCCUR, BUT TOLERATETRUNCATION(YES) HAS BEEN SPECIFIED
```

Cause

This message is a continuation of message ESNP291W.

Action

See message ESNP291W.

ESNP293W

```
PARTITIONED DATASET AND TARGET FIRST EXTENT IS SMALLER THAN THE SOURCE DATASET FIRST EXTENT
```

Cause

The partitioned dataset access method requires that the member directory reside within the first extent. The allocated target dataset first extent is not as large as the source dataset first extent. For performance reasons, the size of the member directory is not automatically checked. It is possible that the directory is not fully contained in the first extent.

Action

Review the target member directory and make sure that the entire directory is contained within the first extent.

ESNP294I

POTENTIAL DIRECTORY PROBLEM - DSNAME: *dsname*

Cause

This message is a continuation of message ESNP293W.

Action

See message ESNP293W.

ESNP295I

DATASET ALLOCATED SUCCESSFULLY

Cause

The target dataset has been successfully allocated.

Action

None.

ESNP296E

NOT ENOUGH SPACE ON VOLUME TO ALLOCATE DATASET

Cause

There is not enough space on the target volume to allocate the target dataset.

Action

Ensure that the target volume has enough space for the dataset. It is necessary to provide more space on the target volume, or provide alternate or additional volumes.

ESNP297E

INTERNAL ERROR DETECTED

Cause

An internal error was detected while building dynamic text for SVC 99.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP298E

DYNAMIC ALLOCATION RETURNED AN ERROR WHILE ALLOCATING TARGET DATASET - *dsname*

Cause

The attempt to dynamically allocate the target dataset failed.

Action

Review the dynamic allocation message log and correct the indicated problem.

ESNP299E

TRKCALC FAILED WITH RC: *rc*

Cause

The z/OS TRKCALC service failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for

applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP300I

```
ALLOCATING TARGET DATASET: dsname
```

Cause

Allocation of the indicated target dataset name is occurring.

Action

None.

ESNP310E

```
DATASET TYPE type NOT RECOGNIZED FOR DATASET
```

Cause

The indicated type of VSAM file is not recognized or supported.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP311E

```
IDCAMS FAILED WITH RC: rc WHILE DEFINING DATASET: dsname
```

Cause

The IDCAMS allocation of the indicated dataset failed.

Action

Review the IDCAMS allocation message log and correct the indicated problem.

ESNP312I

```
DATASET ALLOCATED SUCCESSFULLY
```

Cause

The target dataset has been successfully allocated.

Action

None.

ESNP313E

```
TARGET DATASET ALLOCATED, BUT IT IS TOO SMALL - DSNAME: dsname
```

Cause

The indicated target dataset has been allocated, but it not as large as the source dataset. This dataset is not copied.

Action

Ensure that the target volume has enough space for the dataset. It is necessary to provide more space on the target volume, or provide alternate or additional volumes.

ESNP320E

```
TARGET BCVGROU NAME (name) INVALID
```

Cause

The BCVGROU parameter was specified on the SNAP DATASET command. The indicated BCVGROU name was not found in the BCVGROU input file.

Action

Correct the BCVGROU name or add such a BCVGROU to the BCVGROU input file.

ESNP330E

```
DATA CLASS NAME (name) INVALID
```

Cause

The DATACLASS parameter was specified on the SNAP DATASET command. The indicated data class name is not recognized by z/OS.

Action

Correct the data class name.

ESNP330W

```
DATA CLASS NAME (name) INVALID
```

Cause

The DATACLASS parameter was found on the source dataset. The indicated data class name is not recognized by z/OS.

Action

Processing will continue. You should notify your site SMS administrator about this dataset and have the data class name corrected.

ESNP331E

```
SMS VALIDATION FAILED FOR CLASS name WITH ERROR CODE: code AND  
REASON CODE: reason
```

Cause

The DATACLASS parameter was specified on the SNAP DATASET command. SMS failed the attempt to validate the data class name.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.
If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP331W

```
SMS VALIDATION FAILED FOR CLASS name WITH ERROR CODE: code AND  
REASON CODE: reason
```

Cause

The DATACLASS parameter was found on the source dataset. It is not recognized by z/OS SMS.

Action

Processing will continue. You should notify your site SMS administrator about this dataset and have the data class name corrected.

ESNP340E

```
MANAGEMENT CLASS NAME (name) INVALID
```

Cause

The MANAGEMENTCLASS parameter was specified on the SNAP DATASET command. The indicated management class name is not recognized by z/OS.

Action

Correct the management class name.

ESNP341E

```
SMS VALIDATION FAILED FOR CLASS name WITH ERROR CODE: code AND  
REASON CODE: reason
```

Cause

The MANAGEMENTCLASS parameter was specified on the SNAP DATASET command. SMS failed the attempt to validate the management class name.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP350E

```
STORAGE CLASS NAME (name) INVALID
```

Cause

The STORAGECLASS parameter was specified on the SNAP DATASET command. The indicated storage class name is not recognized by z/OS.

Action

Correct the storage class name.

ESNP351E

```
SMS VALIDATION FAILED FOR CLASS name WITH ERROR CODE: code AND  
REASON CODE: reason
```

Cause

The STORAGECLASS parameter was specified on the SNAP DATASET command. SMS failed the attempt to validate the storage class name.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP360E

```
CALL TO IEFDB476 FAILED - RETURN CODE: rc
```

Cause

After a dynamic allocation failure, a call was made to the z/OS routine IEFDB476 to interpret the allocation failure messages. This call has failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP361I

```
SVC99 RC: rc, S99ERROR: error, S99INFO: info, S99ERSN: reason
```

Cause

Dynamic allocation has failed with the indicated error and reason codes.

Action

The allocation error messages follow. Review the messages and correct the problem.

ESNP362E

```
ERROR FROM DYNAMIC ALLOCATION
```

Cause

Dynamic allocation has failed.

Action

The allocation error messages follow. Review the messages and correct the problem.

ESNP363I

```
message-text
```

Cause

Dynamic allocation has failed. The allocation failure message text is provided.

Action

Review the messages and correct the problem.

ESNP365I

```
DYNALLOC FAILED, TURNING OFF VOLUME PREFERENCING AND RETRYING
```

Cause

Volume preferencing has eliminated every volume on a storage system as a potential candidate. As a result, volume preferencing is being turned off for this command and the allocation is being retried.

Action

None.

ESNP370E

```
GDG BASE NOT SUPPORTED - DSNAME: dsname
```

Cause

The indicated dataset name is a GDG base. This dataset type is not supported.

Action

Do not attempt to copy a GDG base.

ESNP371E

CATALOG DATASET NOT SUPPORTED - DSNAME: *dsname*

Cause

The indicated dataset is catalog dataset. This is not a supported dataset type.

Action

Do not attempt to copy a catalog dataset.

ESNP372E

ALTERNATE INDEX DATASET NOT SUPPORTED - DSNAME: *dsname*

Cause

The indicated dataset is an alternate index VSAM dataset. By itself, this is not a supported dataset type.

Action

Do not attempt to copy an alternate index VSAM dataset.

The base of a VSAM cluster may be cloned, and if SPHERE(YES) is specified, then entire sphere of a cluster (including alternate index clusters) may also be cloned. Additional parameters RELATE and RENAMEUNCONDITIONAL may be used to tailor the associated path names as they are also copied.

ESNP373E

VOLUME TABLE OF CONTENTS NOT SUPPORTED

Cause

The indicated dataset is VTOC dataset. This is not a supported dataset type.

Action

Do not attempt to copy a VTOC dataset.

ESNP374E

VTOC INDEX NOT SUPPORTED - DSNAME: *dsname*

Cause

The indicated dataset is a VTOC index dataset. This is not a supported dataset type.

Action

Do not attempt to copy a VTOC index dataset.

ESNP375E

VVDS DATASET NOT SUPPORTED - DSNAME: *dsname*

Cause

The indicated dataset is VVDS dataset. This is not a supported dataset type.

Action

Do not attempt to copy a VVDS dataset.

ESNP380I

TARGET DATASET CLEANUP - DSNAME: *dsname*

Cause

The SNAP DATASET command has failed and all allocated target datasets are being deleted.

Action

None.

ESNP390E

```
ATTEMPTING TO CHANGE VOLSER ON DEVICE ccuu TO volser, OLD VOLSER  
OF volser DID NOT VERIFY
```

Cause

The SNAP VOLUME command was successful, but the attempt to change the target volser has failed because the volume label did not contain the volser of the source volume.

Action

Determine if the volume label has changed since the device has come online. Vary the device offline and rerun the job. If the volume label cannot be determined, search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP391E

```
I/O ERROR ON DEVICE ccuu WHILE UPDATING THE VOLUME LABEL, CLIPTF  
RC: rc
```

Cause

The SNAP VOLUME command was successful, but the attempt to change the target volser resulted in an I/O error.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP392I

```
THE DEVICE IS NOT BOUND OR NOT READY
```

Cause

This message is issued in case the SNAP VOLUME command with the COPYVOLID(NO) or NEWVOLID parameters fails due to not READY target devices.

Action

None.

ESNP400E

```
TARGET VOLUME (volser S/N symm-serial/symdv#) NOT LOCATED ONLINE,  
MAY NOT EXIST OR NOT DEFINED TO SCF
```

Cause

There are three potential causes:

1. An online volume with the indicated volser was not found.
2. If processing a group, the TARGET parameter must use UNIT, instead of VOLUME, because VOLUME is not allowed.
3. The device is not known to SCF.

Action

Depending on the cause:

1. Verify that volume serial number is specified correctly and volume device number is online to system. If required, correct the volser or vary the volume online.
2. If processing a group, use the following:
 SNAP VOL(SOU(VOL(*volser*)) TRG(UNIT(*ccuu*)) TOLENQF(Y)
 COPYV(N))
 Note that COPYV(Y) must also be COPY(N) for GROUP processing.
3. Check SCF initialization parameters to ensure that the device is defined to SCF.

ESNP401E

TARGET VOLUME (*volser* S/N *symm-serial/symdv#*) IS NOT AN EMC DEVICE

Cause

An online volume with the indicated volser was found, but it is not located on a Dell EMC storage system. The target volume must be a Dell EMC device for SNAP DATASET or SNAP VOLUME.

Action

Change the volser to one located on a Dell EMC device.

ESNP402E

TARGET VOLUME (*volser* S/N *symm-serial/symdv#*) MUST BE A BCV DEVICE, NOT A STD DEVICE

Cause

An online volume with the indicated volser was found on a Dell EMC storage system. The target of a SNAP DATASET or SNAP VOLUME must be defined as a BCV device. The indicated volume was found to be defined as a standard device. This restriction is removed at Enginuity 5x66 and later allowing the target to be an STD device.

Action

None.

ESNP403E

TARGET VOLUME (*volser* S/N *symm-serial/symdv#*) MICROCODE LEVEL MUST BE AT LEAST 5X65

Cause

An online volume with the indicated volser was found on a Dell EMC storage system. The operating environment level in the storage system is earlier than 5x65.

Action

Upgrade the operating environment in the storage system.

ESNP404E

TARGET VOLUME (*volser* S/N *symm-serial/symdv#*) IS IN USE BY ANOTHER PROCESS

Cause

A snap is specifying a target device that is active with another Dell EMC process. An Enginuity snap is not supported until the other process has completed.

Action

Correct the target location, or specify a datamover.

ESNP405E

TARGET VOLUME (*volser S/N symm-serial/symdv#*) CANNOT BE A VIRTUAL DEVICE UNLESS A DATAMOVER IS USED

Cause

A snap is specifying a virtual device as the target volume. An Enginuity snap is not supported with virtual volumes.

Action

Correct the target location, or specify a datamover.

ESNP406E

TARGET VOLUME (*volser S/N symm-serial/symdv#*) CANNOT BE A VIRTUAL DEVICE UNLESS A DATAMOVER IS USED OR VDEV PARAMETER IS SPECIFIED INSTEAD OF TARGET

Cause

The TARGET parameter specified a virtual device. A virtual device cannot be used with the TARGET parameter unless a data mover is used.

Action

Either change the device to a non-virtual device or change from using the TARGET parameter and use the VDEV parameter instead.

ESNP407E

MUST USE VDEV PARAMETER WITH VIRTUAL DEVICE

Cause

A STOP VOLUME request specified the TARGET parameter and a virtual device. Use the VDEV parameter when referring to a virtual device.

Action

Change the parameter TARGET to VDEV.

ESNP408E

VIRTUAL DEVICE IS NOT SUPPORTED WITH THIS TYPE ACTION

Cause

The TARGET parameter specified a virtual device. The virtual device is not supported for this operation.

Action

Change the device to a non-virtual device.

ESNP409E

VDEV PARAMETER CAN ONLY BE USED WITH A VIRTUAL DEVICE

Cause

The VDEV parameter specified a device that is not a virtual device.

Action

Either change the device to a virtual device, or change the parameter VDEV to TARGET.

ESNP410W

ERROR RETURNED FROM LSPACE WHILE PROCESSING VOLUME *volser RC: rc*

Cause

A request was made to the z/OS LSPACE service. The service failed for the indicated volume. The volume is removed from the target volume candidate list.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP430I

Format 1:

```
ABEND code DETECTED, DATASET EXPANSION STOPPED
```

Format 2:

```
ABEND code DETECTED, GROUP DATASET WRITE ERROR
```

Cause

Format 1: The target dataset allocation size was smaller than the source dataset allocation size. An abend was detected while attempting to expand the allocated target dataset. The abend is ignored and execution continues.

Format 2: The group dataset had a write error. If possible, the dataset will be compressed and the write tried again.

Action

Format 1: None. This is usually an indication that the attempt to expand the dataset has failed because the target volume does not have enough room, or not enough target volumes were specified.

Format 2: If the dataset was successfully compressed and the next attempt to write succeeded, there is no reason to take any action. If the compress failed, or the subsequent write failed, you should make the dataset larger.

ESNP440I

```
PROCESSING COMPLETED, HIGHEST RETURN CODE ENCOUNTERED IS rc
```

Cause

All processing has been completed. The highest return code encountered is identified.

Action

None.

ESNP450E

```
INSUFFICIENT AUTHORITY TO {READ|ALTER} DATASET dsname
```

Cause

A security check was made to determine whether this job has the authority to perform the indicated action on the indicated dataset. The action will be READ for the source dataset or ALTER for the target dataset.

Action

Obtain the proper authority to perform the requested action.

ESNP460I

```
PROCESSING FOR STATEMENT stmt# BEGINNING, COPY FROM VOLUME  
volser TO VOLUME volser
```

Cause

Processing for the indicated SNAP VOLUME command is beginning.

Action

None.

ESNP461I

```
PROCESSING FOR STATEMENT stmt# COMPLETED, HIGHEST RETURN CODE
ENCOUNTERED IS rc
```

Cause

Processing for the indicated SNAP VOLUME command has completed.

Action

None.

ESNP462E

```
VOLUME volser FAILED TO GO OFFLINE
```

Cause

The target volume indicated was varied offline. After waiting 5 minutes, the volume has failed to actually go offline. Since this is the target volume of a SNAP VOLUME command, it must be offline in order for the copy to proceed.

Action

Ensure that there are no users or jobs with allocations to the volume.

ESNP463E

```
VOLUME volser FAILED TO GO ONLINE
```

Cause

The indicated target volume was successfully varied offline and is now being varied back online. After waiting 60 seconds, the volume has failed to actually come back online.

Action

None.

ESNP464E

```
VOLUME volser (S/N symm-serial/symdv#) IS ONLINE TO ANOTHER
SYSTEM, IT MUST BE OFFLINE TO ALL OTHER SYSTEMS
```

Cause

The volume is target of a SNAP VOLUME request and must be offline to all other systems.

Action

Ensure that the volume is offline to all other systems. This message is immediately followed by message ESNP465I, identifying the online path groups. If the device must remain online to certain systems (Linux, VM, and so on) there are some things you may do to continue this request. First, you may exclude certain path groups from consideration at all times by specifying the EXPATHGRP in the site options. Next, you may exclude certain path groups from consideration for the duration of a run by specifying EXCLUDE_PATHGROUPEID on the GLOBAL statement. Next, you use the parameter CHECK_ONLINE_PATH_STATUS(YES|NO) to change the severity of the message issued. See the *TimeFinder/Clone Mainframe Snap Facility Product Guide* for further information.

ESNP465I

```
ONLINE PATH GROUP(S) ARE: pathlist
```

Cause

This message identifies path groups online to the volume. Up to 6 path groups are displayed, 3 on each line. Additional path groups, if any, are truncated. Each group in the pathlist is made up of 22 hexadecimal characters. The first 14 characters are the path group ID. The remaining (right most) eight characters are the timestamp.

The *SRDF Host Component for z/OS Product Guide* provides more information about timestamps.

Action

See message ESNP464E.

ESNP466W

```
VOLUME volser (S/N symm-serial/symdv#) IS ONLINE TO ANOTHER  
SYSTEM, IT SHOULD BE VARIED OFFLINE AND ONLINE TO ALL SYSTEMS  
BEFORE USING
```

Cause

This is a warning because critical information on the volume is about to change. If the location of the VTOC, VTOCIX or VVDS changes, you may have trouble using this volume from other systems until it is varied offline and online to those systems.

Action

The volume should be varied offline and then online to each of the attached systems prior to use on those systems.

ESNP467I

```
PROCESSING BYPASSED DUE TO TYPRUN=NORUN OPTION
```

Cause

TYPRUN=NORUN was specified and all action processing is bypassed.

Action

Verify that the processing produces the desired results and run again without TYPRUN-HOLD.

ESNP468W

```
UNABLE TO BRING VOLUME volser ONLINE, ANOTHER VOLUME IS ALREADY  
ONLINE WITH THAT LABEL
```

Cause

Attempting to vary a device online, but another device is already online with the same label or *volser*.

Action

The device will be left offline. To bring it online, the other device that is online with the same label or *volser* must be varied offline.

ESNP469I

```
DIFFERENTIAL(YES) IGNORED, ONLY SUPPORTED ON EMC SYMMETRIX RUNNING  
5X69+ MICROCODE
```

Cause

Enginuity 5669 or a later level of the operating environment is required to use the DIFFERENTIAL(YES) parameter. The parameter is ignored.

Action

Upgrade the operating environment to the level required to use this feature.

ESNP470I

PROCESSING FOR STATEMENT *stmt#* BEGINNING, COPY DATASET REQUEST

Cause

Processing for the indicated SNAP DATASET command is beginning.

Action

None.

ESNP471I

PROCESSING FOR STATEMENT *stmt#* COMPLETED, HIGHEST RETURN CODE ENCOUNTERED IS *rc*

Cause

Processing for the indicated SNAP DATASET command has completed.

Action

None.

ESNP472I

SOURCE MASK: *dsname*

Cause

This message immediately follows message ESNP470I, indicating the source *dsname* mask.

Action

None.

ESNP473I

TARGET MASK: *dsname*

Cause

This message immediately follows message ESNP472I indicating the target dataset name mask.

Action

None.

ESNP474I

EXCLUDE MASK: *dsname*

Cause

This message immediately follows message ESNP473I and identifies the exclude dataset name mask (if present).

Action

None.

ESNP475I

SOURCE DDNAME: *ddname*

Cause

This message immediately follows message ESNP470I, identifying the source DD

statement used.

Action

None.

ESNP476I

```
TARGET DDNAME: ddname
```

Cause

This message immediately follows message ESNP470I, identifying the target DD statement used.

Action

None.

ESNP477I

```
PROCESSING BYPASSED DUE TO TYPRUN=NORUN OPTION
```

Cause

TYPRUN=NORUN was specified and all action processing is bypassed

Action

Verify that the processing will produce the desired results and run again without TYPRUN=NORUN.

ESNP478I

```
SRCE DSN: dsname TRGT DSN: dsname
```

Cause

TYPRUN=NORUN was requested. This message identifies the source and target datasets that would be snapped if the run was to be processed.

Action

None.

ESNP479I

```
RENAME OLD: xxxxxxxx NEW: xxxxxxxx
```

Cause

The list of RENAMEUNCONDITIONAL pairs are listed in processing sequence.

Action

None.

ESNP480E

```
SOURCE DATASET HAS KEY RANGES DEFINED - DSNAME: dsname
```

Cause

A dataset format has been identified as unsupported by track level data movers. The dataset is not allocated. Typically, the unsupported dataset formats are: imbed, replicate and key range.

Action

To process this dataset type, specify data mover(DFDSS).

ESNP480I

SOURCE DATASET HAS KEY RANGES DEFINED - DSNAME: *dsname*

Cause

A dataset format has been identified as unsupported by track level data movers. A logical data mover (DFDSS) was specified and will be used to allocate and copy the dataset.

Action

None.

ESNP481I

UNABLE TO PROCEED WITH TARGET DATASET ALLOCATION

Cause

A dataset format has been identified as unsupported by track level data movers. The dataset is not allocated. Typically, the unsupported dataset formats are: imbed, replicate and key range. A logical data mover was specified and will be used to allocate and copy the dataset.

Action

None.

ESNP482I

THE DATA MOVER WILL BE USED TO COPY DATASET *dsname*

Cause

See message ESNP481I.

Action

None.

ESNP483E

SOURCE DATASET IS ENCRYPTED - DSNAME: *dsname*

Cause

Snapping an encrypted source dataset to a nonencrypted target dataset is not allowed.

Action

Choose datasets that have a matching encryption status (both encrypted or both not encrypted).

ESNP484E

TARGET DATASET IS ENCRYPTED - DSNAME: *dsname*

Cause

Snapping a nonencrypted source dataset to an encrypted target dataset is not allowed.

Action

Choose datasets that have a matching encryption status (both encrypted or both not encrypted).

ESNP485E

SOURCE DATASET IS NOT ENCRYPTED - DSNAME: *dsname*

Cause

Snapping a nonencrypted source dataset to an encrypted target dataset is not allowed.

Action

Choose datasets that have a matching encryption status (both encrypted or both not encrypted).

ESNP486E

```
TARGET DATASET IS NOT ENCRYPTED - DSNAME: dsname
```

Cause

Snapping an encrypted source dataset to a nonencrypted target dataset is not allowed.

Action

Choose datasets that have a matching encryption status (both encrypted or both not encrypted).

ESNP490E

```
I/O ERROR READING TRACK: cchh VOLUME: volser RC: rc
```

Cause

An I/O error occurred while reading the indicated track.

Action

The specified device must be online and there must be a path online to the device. Use the z/OS command DISPLAY PATH to view the device and path status. Use GTF (Generalized Trace Facility) to trace the I/O to the device. Save the output from GTF and from this job and contact the Dell EMC Customer Support Center.

ESNP491E

```
I/O ERROR WRITING TRACK: cchh VOLUME: volser RC: rc
```

Cause

An I/O error occurred while writing the indicated track.

Action

The specified device must be online and there must be a path online to the device. Use the z/OS command DISPLAY PATH to view the device and path status. Use GTF to trace the I/O to the device. Save the output from GTF and from this job and contact the Dell EMC Customer Support Center.

ESNP500I

```
UNIT ccuu WAS REQUESTED, FOUND WITH VOLUME volser MOUNTED
```

Cause

A SNAP VOLUME command specified a unit parameter. The unit was found with the indicated volume mounted.

Action

None.

ESNP501E

```
UNIT ccuu WAS REQUESTED, BUT NOT FOUND
```

Cause

A SNAP VOLUME command specified a unit parameter. The indicated unit is not a valid z/OS device.

Action

Correct the unit parameter.

ESNP502E

```
UNIT ccuu WAS REQUESTED, BUT IS NOT AVAILABLE
```

Cause

A SNAP VOLUME command specified a unit parameter. The unit is defined to z/OS but it is not available.

Action

Correct the unit parameter or vary the indicated unit online.

ESNP503E

```
UNIT ccuu HAS VOLUME volser MOUNTED, NOT VOLUME volser AS  
INDICATED
```

Cause

A SNAP VOLUME command specified a unit parameter and a volume parameter. The unit contained a volume other than the volume indicated in the volume parameter.

Action

Correct the unit and volume parameters to reflect the correct information.

ESNP504I

```
UNIT ccuu WAS REQUESTED, FOUND OFFLINE
```

Cause

A UNIT parameter was coded and the device found offline.

Action

None.

ESNP510E

```
EMC SNAP API - UNKNOWN ERROR DETECTED, CODE IS: code
```

Cause

An error was returned from TimeFinder. The error code is unknown.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP511E

```
EMC SNAP API - INTERNAL ERROR DETECTED, CODE IS: code
```

Cause

An error was detected by TimeFinder.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP512E

UTILITY PROGRAM WAS UNABLE TO COPY EXTENTS

Cause

A datamover utility program was unable to copy the extents.

Action

See messages issued by the utility program in this run which indicate why the utility program failed.

ESNP513E

Format 1:

SYSCALL *xxxx_aa_bb* ERROR - *error_code* - *description*

Format 2:

SYSCALL ERROR - *error_code* - *description*

Format 3:

SYSCALL ERROR - *xxxx* - *aabb* - *error_code* *description*

Cause

A syscall error has been detected.

xxxx is the syscall ID, *aa* is the syscall subcommand, *bb* is the syscall subformat, *error_code* is the syscall error code.

description depends on the error code. Error codes and associated *description* messages are listed below.

The following are messages for syscall ID 9242, listed by the syscall error code:

- 06 = Session removed for non-established
- 07 = SDDF sessions mismatch
- 09 = no indirects
- 0F = Poll to complete command
- 10 = Device in transient state
- 11 = File SMMF session not established
- 12 = File SMMF session type error
- 13 = File SMMF session not removed
- 14 = File SMMF extent track error
- 15 = Clone illegal target inhibit out copy
- 16 = Source device not ready
- 17 = OOB must be fast snap
- 18 = FlashCopy snap violation
- 19 = Source device owns aborted tracks
- 1A = Cannot create task 11 for OOB syscall
- 1B = Session already exists
- 1C = Maximum number of records exceeded
- 1D = System time overrun, resource exhausted, try later
- 1E = Multi device busy, wait and retry
- 1F = Mix of internal extent snap and basic snap
- 20 = Target is destination of another application
- 21 = Wrong ccbh
- 22 = Destination Device is VLUN migration device
- 23 = Extent track is not in perma cache slot
- 24 = Extent track is not in cache
- 25 = Wrong sym device number
- 26 = Extent track has no record 1
- 27 = Destination device is r2 disabled
- 28 = Source device owns snap session
- 29 = Destination device is write disabled
- 2a = Extent track is still active
- 2b = SDDF registration failed or invalid found

2c = Session in change for source device
2d = All mirrors have invalids
2e = Unbound thin device
2f = Device owns XRC sessions
30 = Active thin task
31 = Upgrade in progress
32 = Extent track not in perma cache
33 = Cannot lock source device
34 = Session never established
35 = Invalid extent track slot
36 = Start extent error
37 = Last extent error
38 = Extent count exceeded
39 = Invalid extent
3A = IVTOC tracks exist on device.
3B = More than single destination device.
3C = Cannot lock destination device
3D = Destination device is not ready
3E = Source and destination devices not same type
3F = Background copy and no copy on read
40 = Background split in progress
41 = Activate while session in change
42 = Device already set or released
43 = FlashCopy extent already removed
44 = Device is active file smmf device
45 = syscall 812c illegal modifier
46 = Device has concurrent copy sessions established
47 = Illegal target symm device number
48 = Wrong session type
49 = Full device different size
4A = Full device establish to itself
4B = Full device different meta member count
4C = Full device different meta status
4D = Full device different meta size
4E = Full device target already a destination device
4F = Device is SFS device
50 = Protected vault cannot be snap target
51 = No snap operation on worm
52 = Clone device owns shared tracks
53 = Illegal extent
54 = Resnap before snap is done
55 = Exceeds cascading clone hop limit (limit is 2)
56 = Session offset is wrong
57 = Cannot open SDDF session on source device
58 = Cannot resnap this pair
59 = This pair should be resnapped
5A = SDDF resources are out (not enough slots)
5B = Source device has indirect tracks
5C = Destination device has indirect tracks
5D = Source device is target of an inactive session
5E = Target device is target of an inactive session
5F = FRR not allowed, target has other sessions
60 = Wrong syscall flags
61 = Number of sessions exceeded
62 = Session already established
63 = Device is a migration device
64 = Illegal source device number
65 = Session registered for different application

66 = Session not of supported type
 67 = No snap operations allowed during memory replacement
 68 = Registration failed
 69 = Source is a log device or virtual device
 6A = Nocopy clone restore exists
 6B = Illegal modifier
 6C = Mix of persistent vsnap and snap
 6D = Internal extent snap target extent overlap
 6E = Illegal TF Clone restore, wrong SDDF
 6F = Illegal TF Clone restore, cannot switch SDDF
 70 = VSE Targets belong to different pools
 71 = Wrong session id
 72 = Parallel Clone SRDF check error
 73 = Target device is a virtual device
 74 = Source of full device is target of another device
 75 = Target of full device is source of another device
 76 = Source device is a virtual device
 77 = Session is not parallel clone
 78 = Extent target is resnap mode
 79 = n/a
 7A = Parallel Clone invalid flag
 7B = Destination device owns sessions
 7C = Parallel clone cannot lock device
 7D = Resnap session not precopy sync
 99 = Cannot lock extent track
 FF = Returned unit-check from disk adapter

The following are messages for syscall ID 9244, listed by the syscall error code:

01 = SNAPVX_NOT_SUPPORTED
 02 = SNAPVX_MEMORY_ALLOCATION_FAILED
 03 = SNAPVX_MEMORY_READ_FAILED
 04 = SNAPVX_MEMORY_WRITE_FAILED
 05 = SNAPVX_MEMORY_FREE_FAILED
 06 = SNAPVX_INVALID_SNAPSHOT_ID
 07 = SNAPVX_SNAPSHOT_TABLE_IS_FULL
 08 = SNAPVX_UNALLOCATED_SLOT
 09 = SNAPVX_INVALID_PARAMETER
 0A = SNAPVX_MAX_RECORDS_EXCEEDED
 0B = SNAPVX_INVALID_STATE
 0C = SNAPVX_INVALID_OPTIONS
 0D = SNAPVX_INVALID_COMMAND
 0E = SNAPVX_INVALID_FLAGS
 0F = SNAPVX_POLL_LATER
 10 = SNAPVX_INVALID_SNAPSHOT_NAME
 11 = SNAPVX_INVALID_EMULATION_TYPE
 12 = SNAPVX_FAILED_TO_FIND_TGT_SESSION
 13 = SNAPVX_DPD_ERROR
 14 = SNAPVX_DPD_UPDATE_TIMEOUT
 15 = SNAPVX_TGT_STATE_BIT_NOT_FOUND
 16 = SNAPVX_TGT_UPDATE_LINKED_BIT_FAILED
 17 = SNAPVX_SNAPSHOT_EXISTS
 18 = SNAPVX_FAILED_TO_UPDATE_READY_STATE
 19 = SNAPVX_TGT_MISMATCH_TO_SRC
 1A = SNAPVX_DEFINE_ERROR
 1B = SNAPVX_FAILED_TO_FIND_SNAPSHOT

1C = SNAPVX_BEYOND_LAST_SEQUENCE
 1D = SNAPVX_ALREADY_TGT
 1E = SNAPVX_HARD_LINK_EXISTS
 1F = SNAPVX_REACHED_TGT_LINK_LIMIT
 20 = SNAPVX_TGT_LIST_ERROR
 21 = SNAPVX_TRACK_IS_ROTATING_TOCOPY
 22 = SNAPVX_NOT_TGT_OF_RESTORE
 23 = SNAPVX_NOT_TGT
 24 = SNAPVX_ALREADY_IN_STATE
 25 = SNAPVX_POOL_IS_FULL
 26 = SNAPVX_NO_ACTIVE_LINK
 27 = SNAPVX_GET_SESSION_IN_CHANGE_FAILED
 28 = SNAPVX_TARGET_ALREADY_SOURCE
 29 = SNAPVX_LOCATE_ERROR
 2A = SNAPVX_INVALID_TGT_SYMM_NUMBER
 2B = SNAPVX_UNUSED_TGT_LINK_TBL
 2C = SNAPVX_BITLOCK_ERROR
 2D = SNAPVX_INVALID_OPERATION
 2E = SNAPVX_AUTO_RECOVERY_INVOKED
 2F = SNAPVX_BITMAP_ERROR
 30 = SNAPVX_LOCK_MANAGMENT_ERROR
 31 = SNAPVX_PARALLEL_CLONE_RDF_CHECK_ERR
 32 = SNAPVX_LOCK_SNAPSHOT_TABLE_FAILED
 33 = SNAPVX_UNLOCK_SNAPSHOT_TABLE_FAILED
 34 = SNAPVX_LOCK_TGT_LINK_TABLE_FAILED
 35 = SNAPVX_UNLOCK_TGT_LINK_TABLE_FAILED
 36 = SNAPVX_SNPSHT_SRC_ALREADY_TGT
 37 = SNAPVX_ALREADY_LEGACY_TGT
 38 = SNAPVX_CRC_ERROR
 39 = SNAPVX_REWRITE_COUNT_ACCESS_FAILED
 3A = SNAPVX_INVALID_REWRITE_COUNT
 3B = SNAPVX_SRC_META_DATA_UPDATE_IN_PROGRESS
 3C = SNAPVX_CONSISTENCY_ERROR
 3D = SNAPVX_LINKAGE_ERROR
 3F = SNAPVX_LEGACY_SESSION_ERROR
 40 = SNAPVX_LEGACY_EXTENT_ERROR
 41 = SNAPVX_LEGACY_PROTECTION_ERROR
 42 = SNAPVX_ACCESS_OVERFLOW
 43 = SNAPVX_INVALID_SRC_SYMM_NUMBER
 44 = SNAPVX_TGT_LINK_COUNT_ERROR
 45 = SNAPVX_MIX_SOFT_AND_HARD_ERROR
 46 = SNAPVX_RESTORE_FWD_LEG_IS_MISSING
 47 = SNAPVX_UNLINK_RESTORE_FWD_LEG_ERROR
 48 = SNAPVX_SNAPSHOT_IN_STATUS_FAILED
 49 = SNAPVX_TGT_LINK_IN_STATUS_FAILED
 4A = SNAPVX_TGT_LINK_IS_INACTIVE
 4B = SNAPVX_TGT_COPY_IN_PROGRESS
 4C = SNAPVX_REACHED_SESSIONS_LIMIT
 4D = SNAPVX_DEFINE_RETRY_IMMEDIATELY
 4E = SNAPVX_DEFINE_RETRY_LATER
 4F = SNAPVX_BITLOCK_SHARE_LOCK_TIMEOUT
 50 = SNAPVX_OVERFLOW
 51 = SNAPVX_DEFINE_VERSION_CURRENT_TRACK
 52 = SNAPVX_DEFINE_BRING_LOCATED_TRACK_TO_CACHE
 53 = SNAPVX_INVALID_SEQUENCE_RANGE
 54 = SNAPVX_STATE_INFO_UPDATE_ERROR
 55 = SNAPVX_ROTATING_SCAN_ERROR
 56 = SNAPVX_ROTATING_RETRY_LATER

57 = SNAPVX_UNEXPECTED_UNDEFINED_TRACKS
58 = SNAPVX_UNEXPECTED_ROTATING_TRACKS
59 = SNAPVX_RESTORE_EXISTS_ON_TARGET
5A = SNAPVX_UNUSED_SNAPSHOT_ID
5B = SNAPVX_PRECOPY_WITH_NO_BG_COPY
5C = SNAPVX_TERMINATE_AFTER_WITH_NO_BG_COPY
5D = SNAPVX_TGT_HAS_ORFS_COPY_IN_PROGRESS
5E = SNAPVX_SRC_HAS_ORFS_COPY_IN_PROGRESS
5F = SNAPVX_UNDEFINE_ERROR
60 = SNAPVX_UNDEFINE_RETRY
61 = SNAPVX_TGT_SIZE_MISMATCH_TO_SRC
62 = SNAPVX_ROTATING_SCAN_ROTATING_ALREADY_CLEAR
63 = SNAPVX_DEPENDENT_SNAPSHOTS_EXISTS
64 = SNAPVX_LINKED_TARGET_EXISTS
65 = SNAPVX_CONTROL_CMD_FAILED
66 = SNAPVX_DEVICE_CORRUPTION
67 = SNAPVX_CENTAUR_LINK_FAILED
68 = SNAPVX_SEND_MSG_FAILED
69 = SNAPVX_SRC_MISMATCH_TO_SNAPSHOT
6A = SNAPVX_UNKNOWN_REASON
6B = SNAPVX_SRP_THRESHOLD_REACHED
6C = SNAPVX_VVOL_MDP_ERROR
6D = SNAPVX_VVOL_ALREADY_TRANSFERRED
6E = SNAPVX_UUID_HASH_ERROR
6F = SNAPVX_UUID_NOT_FOUND
70 = SNAPVX_SNAPSHOT_NOT_IN_USED_LIST
71 = SNAPVX_RECREATE_ON_ACTIVE_LINK
72 = SNAPVX_SRC_ACTIVATED_IS_COPY_PROG_TGT
73 = SNAPVX_SRC_ACTIVATED_IS_INACTIVE_TGT
74 = SNAPVX_LOCATE_ERROR_TRK_IS_VWP
75 = SNAPVX_DEVICE_IN_CONFIG_LOCKDOWN
76 = SNAPVX_LOCATE_NOT_NEEDED
77 = SNAPVX_EXISTS_TGT_IS_COPY_IN_PROGRESS
78 = SNAPVX_EXISTS_TGT_EMULATION_MISMATCH
79 = SNAPVX_SRC_IS_COPY_IN_PROGRESS_TGT
7A = SNAPVX_SRC_IS_INACTIVE_TGT
7B = SNAPVX_FAILED_TO_INVALIDATE_R2_TGT
7C = SNAPVX_ALREADY_LEGACY_SRC
7D = SNAPVX_SRC_ENCAPSULATED_IS_SHRD_COPY_IN_PROGRESS
7E = SNAPVX_DPD_BIT_UNCHANGED
7F = SNAPVX_ILLEGAL_GCM_CHANGE
80 = SNAPVX_SRC_IS_ENCAPSULATED_MAPPED
81 = SNAPVX_TGT_IS_ENCAPSULATED_MAPPED
82 = SNAPVX_SRC_IS_ENCAPSULATED
83 = SNAPVX_TGT_IS_ENCAPSULATED
84 = SNAPVX_SRC_IS_ENCAPSULATED_TGT
85 = SNAPVX_TGT_IS_ENCAPSULATED_SRC
86 = SNAPVX_SRC_ENCAPSULATED_LINKED_TO_ONLINE_TGT
87 = SNAPVX_TGT_IS_NOCOPY_ENCAPSULATED
88 = SNAPVX_SRC_IS_NOCOPY_ENCAPSULATED
89 = SNAPVX_SRC_ENCAPSULATED_HAS_TIMETO_LEAVE
8A = SNAPVX_TGT_IS_LARGER_ENCAPSULATED
8B = SNAPVX_OBJECT_DOES_NOT_EXISTS
8C = SNAPVX_UUID_MISMATCH
8D = SNAPVX_OFFLOAD_SESSION_EXISTS
8E = SNAPVX_INTERCEPT_HOST_RETRY_IO
8F = SNAPVX_TGT_STATE_TABLE_UPDATE_FAIL
90 = SNAPVX_LOCATE_ERROR_RDP_TRK_NOT_FOUND

91 = SNAPVX_LOCATE_ERROR_TRK_IS_WP
 92 = SNAPVX_SRC_IS_NONDD_ENCAPSULATED
 93 = SNAPVX_TGT_IS_NONDD_ENCAPSULATED
 94 = SNAPVX_DPD_SEARCH_TIMEOUT
 95 = SNAPVX_TIMEOUT
 96 = SNAPVX_BGTASK_RETRY_CHUNK
 97 = SNAPVX_INVALID_DEVICE
 98 = SNAPVX_CMD_LOCK_CONTENTION
 99 = SNAPVX_OUT_OF_DPD_SLOTS
 9A = SNAPVX_LOCATE_ERROR_RETRY
 9B = SNAPVX_INTERCEPT_RETRY_IO
 9C = SNAPVX_MEMORY_ALLOCATION_RETRY
 9D = SNAPVX_INVALID_DPD_TGT_TYPE
 9E = SNAPVX_INVALID_DPD_ENTRY
 9F = SNAPVX_VERSIONING_ERROR
 A0 = SNAPVX_DEVICE_IN_LOCKDOWN
 A1 = SNAPVX_SESSION_IN_CHANGE_IS_SET
 A2 = SNAPVX_NO_MATCHING_INDIRECT_TAG
 A3 = SNAPVX_FAILED_TO_READ_TRACK
 A4 = SNAPVX_TGT_DEFINE_IN_PROGRESS
 A5 = SNAPVX_INTERCEPT_CANNOT_ADD_RDP_NODE_TO_COPY
 A6 = SNAPVX_FE_TRACK_LOCK_FAIL
 A7 = SNAPVX_FAILED_TO_FIND_ICDP_TO_FREE
 A8 = SNAPVX_TGT_IS_AA_RDF
 A9 = SNAPVX_WRITE_TO_SCRATCH_SLOT_FAILED
 AA = SNAPVX_FAILED_TO_START_BG_ACTIVATE
 AB = SNAPVX_FAILED_TO_GET_HATI_HANDLE
 AC = SNAPVX_TGT_OF_FULL_DV_IS_FLASHCOPY_SRC
 AD = SNAPVX_LEGACY_TGT_HAS_EXTENT_SESSION
 AE = SNAPVX_INVALID_UUID
 AF = SNAPVX_INVALID_CONTAINER_ID
 B0 = SNAPVX_INVALID_DESCRIPTOR_ID
 B1 = SNAPVX_VERIFY_FAILED
 B2 = SNAPVX_LEGACY_SRC_HAS_EXTENT_SESSION
 B3 = SNAPVX_LEGACY_TGT_SESSION_INACTIVE
 B4 = SNAPVX_LEGACY_TGT_XTNT_SESSION_IN_PROGRESS
 B5 = SNAPVX_TGT_OWNS_RDF_MIRROR
 B6 = SNAPVX_ICDP_RESERVED
 B7 = SNAPVX_DEVS_NOT_RELATED
 B8 = SNAPVX_ICDP_MAX_COUNT_INVALID
 B9 = SNAPVX_LOCK_SNAPSHOT_TABLE_WAS_OURS
 BA = SNAPVX_RDP_OBJECT_MEMORY_FREE_FAILED
 BB = SNAPVX_SECURE_SNAPSHOT_NOT_EXPIRED
 BC = SNAPVX_CANNOT_DECREMENT_SECURE_RETENTION
 BD = SNAPVX_SECURE_REQUIRES_RETENTION_TTL
 BE = SNAPVX_NOT_ENOUGH_RESOURCES_FOR_SECURE
 BF = SNAPVX_DPD_BIT_UNCHANGED_WITH_ERROR
 C0 = SNAPVX_UPDATE_NOT_NEEDED
 C1 = SNAPVX_LHC_FAILURE
 C2 = SNAPVX_SNAPSHOT_ALREADY_FAILED
 C3 = SNAPVX_SNAPSHOT_NOT_ALLOWED_TO_FAIL
 C4 = SNAPVX_VWP_TRACK_DEALLOCATED
 C5 = SNAPVX_SECURE_SNAPSHOT_HAS_SRP_SPACE
 C6 = SNAPVX_EXTENT_OBJECT_MEMORY_FREE_FAILED
 C7 = SNAPVX_UPDATE_REQUIRED
 C8 = SNAPVX_TOO_MANY_SNAPSHOTS_FOR_SLOT
 C9 = SNAPVX_DEALLOCATE_FE_TRACK_ERROR
 CA = SNAPVX_DEPENDENT_SNAPSHOT

CB = SNAPVX_CANT_LOCK_SLOT
CC = SNAPVX_INCORRECT_SLOT
CD = SNAPVX_WRITE_TO_LREP_SLOT_FAILED
CE = SNAPVX_NOT_ENOUGH_RDP_FOR_SNAPSHOT
CF = SNAPVX_NOT_ENOUGH_PF_SPACE_FOR_TARGET
D0 = SNAPVX_CYL_BEYOND_SNAPSHOT_SIZE
D1 = SNAPVX_INVALID_SCHEDULE_ID
D2 = SNAPVX_MAX_SNAPSHOTS_CREATED
D3 = SNAPVX_RESTORE_WITH_NOCOPY_NOT_ALLOWED

The following are messages for syscall ID 9245, listed by the syscall error code:

06 = Session removed for non established
07 = SDDF sessions mismatch
09 = no indirects
0F = Poll for command completion
10 = Device busy try later
11 = File SMMF session not established
12 = File SMMF session type error
13 = File SMMF session not removed
14 = File SMMF extent track error
15 = Clone illegal target inhibit out copy
16 = Source device not ready
17 = OOB must be fast snap
18 = FlashCopy snap violation
19 = Source device owns aborted tracks
1A = Cannot create task 11 for OOB syscall
1B = Session already exists
1C = Maximum number of records exceeded
1D = System time overrun, resource exhausted, try later
1E = Multi device busy, wait and retry
1F = Mix of internal extent snap and basic snap
20 = Target is destination of another application
21 = Wrong ccbh
22 = Destination Device is VLUN migration device
23 = Extent track is not in perma cache slot
24 = Slot index is free
25 = Wrong sym device number
26 = Extent track has no record 1
27 = Destination device is r2 disabled
28 = Source device owns snap session
29 = Destination device is write disabled
2A = Extent track is still active
2B = SDDF registration failed or invalid found
2C = Session in change for source device
2D = All mirrors have invalids
2E = Unbound thin device
2F = Device owns XRC sessions
30 = Reverse check failed on source
31 = Upgrade in progress
32 = Reverse check failed on target
33 = Cannot lock source device
34 = Session never established
35 = XCOPY device solutions enabler lock
36 = Read error
37 = CRC error
38 = Track out of space
39 = Read free extent

3A = Meta format mismatch
3B = More than single destination device.
3C = Cannot lock destination device
3D = Destination device is not ready
3E = Source and destination devices not same type
3F = Background copy and no copy on read
40 = Background split in progress
41 = Activate while session in change
42 = Cannot get all locks
43 = Source failure
44 = Invalid token
45 = Target failure
46 = Device has concurrent copy sessions established
47 = Illegal target symm device number
48 = Wrong session type
49 = Full device different size
4A = Full device establish to itself
4B = Timeout
4C = Record sequence error
4D = Change source failure
4E = Full device target already a destination device
4F = Device is SFS device
50 = Protected vault cannot be snap target
51 = Device owns shared tracks
52 = Illegal extent
53 = Illegal extent
54 = Resnap before snap is done
55 = Exceeds cascading clone hop limit (limit is 2)
56 = Session offset is wrong
57 = Cannot open SDDF session on source device
58 = Cannot resnap this pair
59 = This pair should be resnapped
5A = SDDF resources are out (not enough slots)
5B = Source device has indirect tracks
5C = Destination device has indirect tracks
5D = Background copy withdraw on a space-efficient extent
5E = Target device is target of an inactive session
5F = FRR not allowed, target has other sessions
60 = Wrong extent syscall parameters
61 = Number of sessions exceeded
62 = Session already established
63 = Device is a migration device
64 = Illegal source device number
65 = Session registered for different application
66 = Session not of supported type
67 = No snap operations allowed during memory replacement
68 = Registration failed
69 = Source is a log device or virtual device
6A = Source target mismatch
6B = Illegal modifier
6C = Internal error
6D = Target overlap
6E = API session limit reached
6F = Sanity check failed
70 = Error cleanup and retry
71 = Wrong session id
72 = Parallel Clone RDF check error
73 = Target device is a virtual device

74 = Source of full device is target of another device
75 = Target of full device is source of another device
76 = Source device is a virtual device
77 = Session is not parallel clone
78 = Extent target is resnap mode
79 = Incremental target
7A = Cleanup collision
7B = Destination device owns sessions
7C = Parallel clone cannot lock device
7D = Target is snapshot source
7E = Target is snapshot target
7F = Target device snapshot block
80 = Device is recovery-point
99 = Lock failed
FF = Error retry syscall

The following are messages for syscall ID 923A, listed by the syscall error code:

02 = Thin err internal error
03 = Thin err sanity check failed
04 = Thin err too many records
05 = Thin err unable to bind device
06 = Thin err unable to send alloc request
07 = Thin err unable to unbind device
08 = Thin err unable to send free request
09 = Thin err cannot alloc work slot
0A = Thin err invalid polling request
0B = Thin err unexpected pool operation
0C = Thin err GST queue full
0D = Thin err scratch slot header invalid
0E = Thin err freeing work slot
0F = Thin err invalid pool
10 = Thin err invalid thin device
11 = Thin err invalid data pool
12 = Thin err too large request
13 = Thin err thin DV already bound
14 = Thin err thin DV not bound
15 = Thin err no available data dev in pool
16 = Thin err device has existing bg task
17 = Thin err dealloc fractional group
18 = Thin err unexpected param
19 = Thin err no available thin dev
1A = Thin err invalid data device
1B = Thin err device has protected tracks
1C = Thin err device has no big task
1D = Thin err device has existing_app_sessions
1E = Thin err task queue is full
1F = Thin err task input invalid
20 = Thin err task input ptr missing
21 = Thin err task failed to send opcode
22 = Thin err unknown opcode
23 = Thin err duplicate task
24 = Thin err no pool reservation
25 = Thin err no thin reservation
26 = Thin err move aborted
27 = MUST be last entry, add entry to thin_dv.c/thin_err_codes
28 = THIN_ERR_UNBIND_READY_DEV
29 = THIN_ERR_MAX

Action

Review the error code and message. If still in doubt as to cause of error condition or how to resolve, report this error to the Dell EMC Customer Support Center. Ensure that you have all the relevant information available.

ESNP516E

EMC SNAP API - ERROR OBTAINING EMCF1 FOR SOURCE DEVICE

Cause

An error occurred while obtaining the EMCF1 for the source device.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP517E

EMC SNAP API - ERROR OBTAINING EMCF1 FOR TARGET DEVICE

Cause

An error occurred while obtaining the EMCF1 for the target device.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP518E

EMC SNAP API - MICROCODE LEVEL NOT 5265?

Cause

The operating environment level for the storage system is lower than 5x65.

Action

Contact the Dell EMC Customer Support Center to have a new version of the operating environment installed.

ESNP519E

EMC SNAP API - SOURCE AND TARGET NOT IN THE SAME CONTROL UNIT

Cause

The source and target devices must be in the same storage system.

Action

Either select devices in the same storage system, or optionally use a data mover.

ESNP51AE

EMC SNAP API - SNAPSHOT NAME TO LINK DOES NOT EXIST

Cause

An attempt was made to link a snapshot that does not exist.

Action

Specify an existing snapshot for the LINK operation.

ESNP51BE

EMC SNAP API - SNAPVX_LEGACY_TGT_XTNT_SESSION_IN_PROGRESS

Cause

An attempt was made to create a cascading relationship when the source device is also a target and copy has not been completed.

Action

Wait for the copy to complete for the first leg, then try to create the cascading relationship.

ESNP51EE

EMC SNAP API - LIMIT OF *count* SNAPSHOTS EXCEEDED

Cause

The user has requested to create a snapshot on a source device that already has the indicated maximum number of snapshots allowed.

Action

Terminate one or more snapshots and retry.

ESNP520E

EMC SNAP API - SOURCE AND TARGET NOT THE SAME DEVICE TYPE

Cause

The source and target devices are not the same device type.

Action

Select devices of the same device type. For example, both 3380s or both 3390s.

ESNP521E

EMC SNAP API - SOURCE NOT A STD DEVICE

Cause

The source device is not a STD device.

Action

Select a source device which is a STD device.

ESNP522E

EMC SNAP API - TARGET NOT A BCV DEVICE

Cause

The target device is not a BCV device.

Action

Select a target device which is a BCV device.

ESNP523E

EMC SNAP API - SOURCE BEGIN EXTENT ADDRESS INVALID

Cause

The extent address to be snapped is invalid for the source device.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP524E

```
EMC SNAP API - TARGET BEGIN EXTENT ADDRESS INVALID
```

Cause

The extent address to be snapped is invalid for the target device.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP525E

```
EMC SNAP API - NUMBER OF TRACKS TO COPY IS INVALID
```

Cause

The number of tracks to be snapped is zero.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP526E

```
EMC SNAP API - SOURCE BEGIN EXTENT PLUS TRACK COUNT IS INVALID
```

Cause

The beginning of the extent to be copied plus the number tracks to be copied exceeds the total number of tracks on the source device.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP527E

```
EMC SNAP API - TARGET BEGIN EXTENT PLUS TRACK COUNT IS INVALID
```

Cause

The beginning of the extent to be copied plus the number tracks to be copied exceeds the total number of tracks on the target device.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP528E

EMC SNAP API - I/O ERROR GETTING EXTENT TRACK INFORMATION

Cause

An I/O error occurred while attempting to read the extent communications track location.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP529E

EMC SNAP API - I/O ERROR WRITING EXTENT TRACK INFORMATION

Cause

An I/O error occurred while attempting to write the extent communications track location.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP530E

EMC SNAP API - I/O ERROR READING EXTENT TRACK

Cause

An I/O error occurred while attempting to read the extent communications track location.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP531E

EMC SNAP API - I/O ERROR WRITING EXTENT TRACK

Cause

An I/O error occurred while attempting to write the extent communications track location.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP532E

EMC SNAP API - EXTENT TRACK NOT IN CORRECT FORMAT

Cause

The extent communications track was read, but the contents do not validate.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the

SYSLOG, the job log, and all relevant job documentation available.

ESNP533E

EMC SNAP API - I/O ERROR CHECKING TARGET INDIRECT STATUS

Cause

An I/O error occurred while attempting to check the source extent indirect status.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP534E

EMC SNAP API - I/O ERROR READING SOURCE DEVICE CHARACTERISTICS

Cause

An I/O error occurred while attempting to read the source device characteristics.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP535E

EMC SNAP API - I/O ERROR REMOVING EXTENTS FROM EXTENT TRACK

Cause

An I/O error occurred while removing an extent definition from the extent communications track.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP536E

EMC SNAP API - ERROR ENCOUNTERED WHILE SORTING EXTENT TRACK

Cause

An I/O error occurred while sorting the extent communications track contents.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP537E

EMC SNAP API - I/O ERROR CREATING SNAP SESSION

Cause

An I/O error occurred while attempting to establish a new session.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP538E

EMC SNAP API - I/O ERROR OBTAINING LIST OF SNAP SESSIONS

Cause

An I/O error occurred while attempting to obtain the list of existing sessions.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP539E

EMC SNAP API - I/O ERROR REMOVING SNAP SESSION

Cause

An I/O error occurred while attempting to remove an existing session.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP540E

EMC SNAP API - I/O ERROR ESTABLISHING EXTENTS IN EXTENT TRACK

Cause

An I/O error occurred while attempting to establish an extent in the extent communications track.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP541E

EMC SNAP API - MAXIMUM NUMBER OF EXTENT REQUESTS IN EXTENT TRACK EXCEEDED

Cause

The maximum number of extent requests in the extent communications track has been exceeded. The current limit is 2015 active requests in the extent communications track.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the

SYSLOG, the job log, and all relevant job documentation available.

ESNP542E

EMC SNAP API - I/O ERROR CHECKING INDIRECT STATUS

Cause

An I/O error occurred while checking the indirect status of the target extent.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP543E

EMC SNAP API - I/O ERROR REMOVING INDIRECT STATUS

Cause

An I/O error occurred while removing the indirect status from the target extent.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP544E

EMC SNAP API - MAXIMUM NUMBER OF SNAP SESSIONS EXCEEDED (4)

Cause

A maximum of four TimeFinder sessions is allowed. This is based on the number of concurrent snap requests for a given track range. Essentially, a dataset may only have four simultaneous TimeFinder operations in progress at any given time.

Action

Use the WAIT(YES) option or try the request again after a prior snap has completed. If a TimeFinder job has previously been run that specified BACKGROUND COPY(N) or MODE(NOCOPY) the same JCL can be run with PARM='GLOBAL MODECOPYFINISH' to finish the session.

ESNP545E

EMC SNAP API - I/O ERROR WRITING LOG RECORD

Cause

An I/O error occurred while writing a log record to the storage system.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP546E

EMC SNAP API - EXTENT TRACK LOCK FORMAT NOT SUPPORTED

Cause

An attempt to read the extent track has failed because a new locking mechanism is being used to prevent concurrent updates to the extent track.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP547E

```
EMC SNAP API - SOURCE EXTENT CURRENTLY PROTECTED
```

Cause

An attempt has been made to snap a source dataset which was recently the target of a TimeFinder operation, which has not completed. If a TimeFinder job has previously been run that specified BACKGROUND COPY(N) or MODE(NOCOPY) the same JCL can be run with PARM='GLOBAL MODECOPYFINISH' to finish the session.

Action

Wait until the previous operation to the dataset completes and try this action again.

ESNP548E

```
EMC SNAP API - I/O ERROR OBTAINING SSID SESSION LIST
```

Cause

An I/O error occurred while attempting obtain the current session list information.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP549E

```
EMC SNAP API - I/O ERROR USING EMCCOPY
```

Cause

An I/O error occurred while using the EMCCOPY Engenuity assist to move tracks.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP550E

```
PARALLEL_CLONE(REQ) REQUESTED, RDF CHECK ERROR
```

Cause

A parallel clone error occurred while processing a snap request. PARALLEL_CLONE(REQUIRED) was specified and the entire job failed.

Action

Ensure the local and remote source and target devices are in a state acceptable for clone operations to occur. To have the jobs continue processing if parallel clone cannot occur, change the PARALLEL_CLONE parameter to Preferred, or YES, or NO.

ESNP552E

```
EMC SNAP API - AN OPERATION WAS ATTEMPTED WITH A DEVICE THAT IS  
BEING EXPANDED
```

Cause

A SNAP VOLUME, CREATE SNAPSHOT or SNAP DATASET command is issued with a device that is being expanded.

Action

Wait for the Dynamic Volume Expansion operation to complete and rerun the job.

ESNP553E

```
EMC SNAP API - ERROR LINKING SNAPSHOT - FREE IS IN PROGRESS
```

Cause

An attempt was made to link a snapshot whose targets were in process of FREEing.

Action

Wait for FREEing to complete and retry.

ESNP554E

```
EMC SNAP API - ERROR CREATING SNAPSHOT - FREE IS IN PROGRESS
```

Cause

An attempt was made to create a snapshot whose targets were in process of FREEing.

Action

Wait for FREEing to complete and retry.

ESNP55BE

```
EMC SNAP API - ERROR CREATING HARDLINK - FREE IS IN PROGRESS
```

Cause

An error was encountered while creating hardlink because the involved device was in the process of FREEing.

Action

Wait until the process of FREEing is complete and reissue the command.

ESNP560E

```
I/O ERROR (CMD 34) ON VOLUME volser (S/N symm-serial/symdv#),  
RC: rc
```

Cause

An I/O error occurred while reading the path group status (CMD 34). The channel-end and device-end status information is identified in the rc.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP561E

```
VOLUME volser IS ONLINE TO A SYSTEM, IT SHOULD BE VARIED OFFLINE  
AND ONLINE TO ALL SYSTEMS BEFORE USING
```

Cause

A device is being processed through a gatekeeper device. The device is online to a system, either this system or another system.

Action

It is important for the devices to be varied offline and online after the request in order for the system(s) to search out the (possibly) new VTOC and VVDS location on the device.

ESNP562W

```
VOLUME volser IS ONLINE TO A SYSTEM, IT SHOULD BE VARIED OFFLINE  
AND ONLINE TO ALL SYSTEMS BEFORE USING
```

Cause

A device is being processed through a gatekeeper device. The device is online to a system, either this system or another system.

Action

It is important for the devices to be varied offline and online after the request in order for the system(s) to search out the (possibly) new VTOC and VVDS location on the device.

ESNP563I

```
VOLUME volser IS ONLINE TO THIS LPAR RUNNING VM
```

Cause

The system that this is running on is a virtual system under VM. Because VM manages all of the path groups for its virtual systems, it is impossible to detect if there are other virtual systems under this same VM using the same devices.

Action

You must determine whether other systems running under the same VM also are using the same target device. If so, you should vary the device offline and online on those systems before further use, in order to ensure that each system is aware of any LABEL, VTOC, VTOCIX or VVDS changes. Without doing this, it is possible to have data loss from those systems.

ESNP570E

```
TARGET VOLUME (volser S/N symm-serial/symdv#) MUST BE A BCV  
DEVICE
```

Cause

The target volume asked for in the request is not a BCV device.

Action

Change the target volume to indicate a BCV device. This restriction is removed at Engenuity 5x66 and later where the TARGET VOLUME may be an STD device.

ESNP571E

```
TARGET VOLUME (volser S/N symm-serial/symdv#) MUST RESIDE WITHIN  
THE SOURCE SYMMETRIX CONTROL UNIT
```

Cause

The target volume is not in the same physical storage system with the source volume.

Action

Both volumes must reside in the same physical storage system. Change the target volume to reflect a BCV volume in the same physical storage system with the source volume, or optionally specify a datamover.

ESNP572E

```
TARGET VOLUME (volser S/N symm-serial/symdv#) MUST BE THE SAME  
DEVICE TYPE AS THE SOURCE DATASET VOLUMES
```

Cause

The target volume must be the same device type as the source volume.

Action

Change the target volume to reflect a BCV volume with the same device type as the source volume. For example, both 3380s or both 3390s.

ESNP573E

```
TARGET VOLUME (volser S/N symm-serial/symdv#) MUST HAVE THE SAME  
TRACK SIZE AS THE SOURCE DATASET VOLUMES
```

Cause

The target volume must have the same track size as the source volume.

Action

Change the target volume to reflect a BCV volume with the same track size as the source volume.

ESNP574E

```
SOURCE TRACK SIZE: size TARGET TRACK SIZE: size
```

Cause

This message immediately follows message ESNP573E and identifies the track size for both the source and target volume.

Action

None.

ESNP580E

```
WAIT(HH:SS) AND WAIT(YES|NO) CANNOT BOTH BE SPECIFIED
```

Cause

The wait option has been coded twice. Once with a time field and once with the YES or NO keyword.

Action

Correct the request to only use the wait option once.

ESNP590S

```
ERROR, NO PARAMETERS SUPPLIED TO INTERFACE
```

Cause

One entry to the Dell EMC High Level Snap API, R1 was zero.

Action

Setup a proper parameter list, pointed to by register one (1).

ESNP591S

```
ERROR, INCORRECT PARAMETER VERSION-ID, EXPECTING version OR LESS,  
FOUND version
```

Cause

The first parameter (API control block) had an incorrect version number. Check field SNAPIVER.

Action

Check the documentation for calling the Dell EMC High Level Snap API and ensure that the parameter block is correctly setup.

ESNP592S

```
ERROR, INCORRECT PARAMETER EYE-CATCHER, EXPECTING @SNAPAPI, FOUND  
text
```

Cause

The first parameter has an incorrect eye-catcher.

Action

Check the documentation for calling the Dell EMC High Level Snap API and ensure that the parameter block is correctly setup.

ESNP593S

```
ERROR, INCORRECT PARAMETER LENGTH, EXPECTING @SNAPAPI, FOUND text
```

Cause

The first parameter has an incorrect length indicator.

Action

Check the documentation for calling the Dell EMC High Level Snap API and ensure that the parameter block is correctly setup.

ESNP594S

```
ERROR OPENING OUTPUT LISTING FILE
```

Cause

An attempt by the Dell EMC High Level Snap API to open the output listing file has failed. The caller of the API supplied an I/O routine for the output listing file and the I/O routine was unable to open the file.

Action

It is the responsibility of the caller of the Dell EMC High Level Snap API to provide the output listing file and to ensure that the file can be opened.

ESNP595S

```
ERROR OPENING INPUT CONTROL FILE
```

Cause

An attempt by the Dell EMC High Level Snap API to open the input control file has failed. The caller of the API supplied an I/O routine for the input control file and the I/O routine was unable to open the file.

Action

It is the responsibility of the caller of the Dell EMC High Level Snap API to provide the input control file and to ensure that the file can be opened.

ESNP596S

ERROR OPENING INPUT BCVGROUP FILE

Cause

An attempt by the Dell EMC High Level Snap API to open the input bcvgroup file has failed. The caller of the API supplied an I/O routine for the input bcvgroup file and the I/O routine was unable to open the file.

Action

It is the responsibility of the caller of the Dell EMC High Level Snap API to provide the input bcvgroup file and to ensure that the file can be opened.

ESNP597S

PROGRAM MUST BE APF AUTHORIZED

Cause

The TimeFinder program must be APF authorized. The macro TESTAUTH FCTN=1 was used to check authorization.

Action

Ensure that the program TimeFinder or the caller of the Dell EMC High Level Snap API (EMCSNAPI) is authorized. This also requires that the libraries containing these programs are authorized.

ESNP598S

EMCSNAP DOES NOT WORK IN A VM ENVIRONMENT

Cause

TimeFinder is running in a virtual machine environment.

Action

TimeFinder does not operate in a virtual machine environment.

ESNP599S

ERROR OPENING ERROR LISTING FILE

Cause

An attempt by the Dell EMC High-Level Snap API to open the error listing file has failed. The caller of the API supplied an I/O routine for the output listing file and the I/O routine was unable to open the file.

Action

It is the responsibility of the caller of the High Level Snap API to provide the error listing file and to ensure that the file can be opened.

ESNP600I

CLEANUP EXTENT TRACK COMPLETED

Cause

A CLEANUP EXTENT TRACK command has completed successfully.

Action

None.

ESNP610I

NO EXTENTS REMAINING IN EXTENT TRACK

Cause

A CLEANUP EXTENT TRACK command has been completed and there are no individual extents remaining on the device to be copied.

Action

None.

ESNP611I

```
EXTENTS REMAINING IN EXTENT TRACK
```

Cause

A CLEANUP EXTENT TRACK command has been completed and some extents are still being copied. This message is immediately followed by messages ESNP612I, ESNP613I, and ESNP614I, which identify the extents still active.

Action

None.

ESNP612I

```
TARGET - TRACKS - SOURCE - TARGET - SESSION PROTECTED
```

Cause

A CLEANUP EXTENT TRACK command has been completed and some extents are still being copied. This message is a title list of extents remaining. This message is immediately followed by messages ESNP613I and ESNP614I.

Action

None.

ESNP613I

```
SYM DEV# - TO COPY - CCHH - CCHH - ID# TRK COUNT
```

Cause

A CLEANUP EXTENT TRACK command has been completed and some extents are still being copied. This message is a title line to the list of extents remaining and is immediately followed by message ESNP614I.

Action

None.

ESNP614I

```
target-symdv# tracks-to-copy source-cchh target-cchh session-id
```

Cause

A CLEANUP EXTENT TRACK command has completed and some extents are still being copied. This message is issued once for each extent remaining to be copied. The five fields are:

- *target-symdv#* - This is the internal device number for the target device.
- *tracks-to-copy* - This is the number of tracks initially requested to be copied.
- *source-cchh* - This is the cylinder/head of the beginning of the extent, on the source device.
- *target-cchh* - This is the cylinder/head of the beginning of the extent, on the target device.
- *session-id* - This is the TimeFinder session identifier in use for this extent.

Action

None.

ESNP620I

```
MICROCODE PATCH patch IS MISSING, UNABLE TO PROVIDE SESSION/DEVICE XREF
```

Cause

An operating environment patch is needed to provide the session and device cross-reference. The operating environment patch has not been applied. The session and device cross-reference cannot be provided.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP621I

```
SOURCE - ACTIVE
```

Cause

This is a title line for message ESNP623I and is immediately followed by messages ESNP622I and ESNP623I.

Action

None.

ESNP622I

```
SYM DEV# - SESSION LIST
```

Cause

This is a title line for message ESNP623I and is immediately followed by message ESNP623I.

Action

None.

ESNP623I

```
[*]source-symdv# active-session-list
```

Cause

This message is issued once for each PowerMax or VMAX device which has an active TimeFinder session. When present, * identifies a session with no tracks remaining to be copied that is a candidate for cleanup. *active-session-list* specifies one or more TimeFinder session identifiers.

Action

None.

ESNP624I

```
SESSION - REMAINING
```

Cause

This is a title line for message ESNP626I and is immediately followed by messages ESNP625I and ESNP626I.

Action

None.

ESNP625I

```
ID - TRACKS TO COPY
```

Cause

This is a title line for message ESNP626I and is immediately followed by message ESNP626I.

Action

None.

ESNP626I

```
session-id remaining-tracks-to-copy
```

Cause

This is message issued once for each TimeFinder session.

- *session-id* - The session identifier.
- *remaining-tracks-to-copy* - The number of tracks remaining to be copied for this session. This is a point-in-time number. It should be constantly changing as more tracks are added and tracks are copied.

Action

Sessions with no tracks remaining to be copied may be removed by running a CLEANUP EXTENT TRACK command on the appropriate source device. These sessions are marked with a leading asterisk (*) in the message text.

ESNP627E

```
SORT ERROR ENCOUNTERED WHILE SORTING DEVICE/SESSION INFORMATION
```

Cause

The internal sort failed while sorting the device and session information.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP628E

```
SORT ERROR ENCOUNTERED WHILE SORTING SESSION INFORMATION
```

Cause

The internal sort failed while sorting the session information.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP630E

```
I/O ERROR (SYSCALL0147) ON VOLUME volser, RC: rc
```

Cause

An I/O error occurred while attempting to obtain the list of active TimeFinder sessions.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP631E

```
SYSCALL RETURN CODE ERROR ON VOLUME volser, EXPECTED  
{1700|170000}, ACTUAL rc
```

Cause

An attempt to determine the active TimeFinder session has failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP632E

```
SYSCALL FORMAT ERROR ON VOLUME volser, EXPECTED 0147, ACTUAL xxxx
```

Cause

The response from the storage system is not valid.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP640E

```
I/O ERROR (SYSCALL 015E) ON VOLUME volser, RC: rc
```

Cause

An I/O error occurred while attempting to obtain the list of devices using TimeFinder sessions.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP641E

```
SYSCALL RETURN CODE ERROR ON VOLUME volser, EXPECTED  
{1700|170000}, ACTUAL rc
```

Cause

An attempt to determine the list of devices using TimeFinder sessions has failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP642E

```
SYSCALL FORMAT ERROR ON VOLUME volser, EXPECTED 015E, ACTUAL xxxx
```

Cause

The response from the storage system is not valid.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP650E

```
STRIPED TARGET DATASET ALLOCATED, NOT ENOUGH STRIPES
```

Cause

The target dataset was successfully allocated. Either the source dataset or the target dataset is a striped dataset. Both datasets must be striped in order for the copy to succeed. If both are striped datasets, the number of volumes used in the striped must be identical.

Action

To process this dataset, specify a datamover (IDCAMS). The *TimeFinder Utility for z/OS Product Guide* provides more information on IDCAMS.

ESNP650I

```
STRIPED TARGET DATASET ALLOCATED, NOT ENOUGH STRIPES
```

Cause

The target dataset was successfully allocated. Either the source dataset or the target dataset is a striped dataset. Normally, both datasets must be striped in order for the copy to succeed. Since a logical datamover name was specified, the copy will proceed using the datamover.

Action

To process this dataset, specify a datamover (IDCAMS). The *TimeFinder Utility for z/OS Product Guide* provides more information on IDCAMS.

ESNP651I

```
SOURCE DATASET STRIPES: stripe-count DSNAME: dsname
```

Cause

This message immediately follows message ESNP650E and identifies the source dataset and the number of stripes allocated to the dataset.

Action

See message ESNP650E.

ESNP652I

```
TARGET DATASET STRIPES: stripe-count DSNAME: dsname
```

Cause

This message immediately follows message ESNP651E and identifies the target dataset and the number of stripes allocated to the dataset.

Action

See message ESNP650E.

ESNP653E

```
STRIPED TARGET DATASET ALLOCATED, NOT USABLE
```

Cause

The target dataset stripe information does not match the source dataset stripe information. They are both extended format non-VSAM datasets with a stripe count of one. Under these circumstances, both datasets must have exactly the same number of tracks on each of the volumes allocated, and they must both have the same number of volumes allocated.

Action

See the next message in the log for further information.

ESNP653I

```
STRIPED TARGET DATASET ALLOCATED, NOT USABLE
```

Cause

The target dataset stripe information does not match the source dataset stripe information. They are both extended format non-VSAM datasets with a stripe count of one. Normally, both datasets must have exactly the same number of tracks on each of the volumes allocated, and they must both have the same number of volumes allocated. Since a logical datamovername was specified, the copy will proceed using the datamover.

Action

See the next message in the log for further information.

ESNP654I

```
SOURCE AND TARGET MUST HAVE EXACTLY THE SAME NUMBER OF TRACKS ON EACH VOLUME
```

Cause

The source and target datasets must have the same number of tracks allocated to each of the volumes.

Action

See message ESNP653E for additional information.

ESNP655I

```
SOURCE AND TARGET MUST HAVE EXACTLY THE SAME NUMBER OF VOLUMES
```

Cause

The source and target datasets must have the same number of volumes allocated.

Action

See message ESNP653E for additional information.

ESNP656I

```
WHEN STRIPE COUNT = 1
```

Cause

This message is a continuation of messages ESNP653E or ESNP655I.

Action

See the previous messages in the log.

ESNP657I

```
SOURCE SMS CLASSES - DATA: class MANAGEMENT: class STORAGE: class
```

Cause

Identifies the SMS classes detected for the source dataset.

Action

None.

ESNP658I

```
TARGET SMS CLASSES - DATA: class MANAGEMENT: class STORAGE: class
```

Cause

Identifies the SMS classes used for the target dataset.

Action

None.

ESNP660E

```
WAITFORCOMPLETION(HH:MM:SS) AND WAITFORCOMPLETION(YES|NO) CANNOT  
BOTH BE SPECIFIED
```

Cause

The parameter WAITFORCOMPLETION was specified twice, once with yes or no being indicated, and a second time with a time limit.

Action

Remove the incorrect parameter.

ESNP670I

```
COMPLETION CHECK COPYING DATASET dsname
```

Cause

WAITFORCOMPLETION was specified for this dataset copy operation.

Action

None.

ESNP671I

```
COMPLETION CHECK COPYING VOLUME volser TO volser
```

Cause

WAITFORCOMPLETION was specified for this volume copy operation.

Action

None.

ESNP672I

CHECK COMPLETE, COPY NEVER STARTED

Cause

WAITFORCOMPLETION was specified for this copy operation. The copy operation was never started.

Action

Review the TimeFinder log for additional error messages. Correct those errors and try the operation again.

ESNP673I

TRACKS REMAINING TO BE COPIED: *count*

Cause

WAITFORCOMPLETION was specified with the MESSAGES subparameter. The copy operation has not completed and the number of tracks remaining to be copied is identified.

Action

None.

ESNP674I

CHECK COMPLETE, COPY COMPLETE

Cause

WAITFORCOMPLETION was specified and the copy has completed.

Action

None.

ESNP675E

CHECK COMPLETE, COPY HAS NOT COMPLETED

Cause

WAITFORCOMPLETION was specified with a time limit. The time limit is exhausted, but the copy operation has not finished.

Action

Either use a larger time period, or specify WAITFORCOMPLETION(YES) instead of using a time period.

ESNP675I

CHECK COMPLETE, COPY HAS NOT COMPLETED

Cause

WAITFORCOMPLETION was specified with a time limit. The time limit is exhausted, but the copy operation has not finished.

Action

Either use a larger time period, or specify WAITFORCOMPLETION(YES) instead of using a time period.

ESNP675W

CHECK COMPLETE, COPY HAS NOT COMPLETED

Cause

WAITFORCOMPLETION was specified with a time limit. The time limit is exhausted, but the copy operation has not finished.

Action

Either use a larger time period, or specify WAITFORCOMPLETION(YES) instead of using a time period.

ESNP676W

```
FOR THE PAST HOUR, TRACKS REMAINING TO BE COPIED HAVE NOT CHANGED
```

Cause

WAITFORCOMPLETION was specified for this copy operation. An hour has passed and the number of tracks remaining to be copied has not changed during that time period.

Action

If a large number of copy operations are currently in progress, this may be normal. Otherwise, contact the Dell EMC Customer Support Center.

ESNP677I

```
TO dsname
```

Cause

This message immediately follows message ESNP670I and specifies the target dataset name.

Action

See message ESNP670I.

ESNP678I

```
R1R2 TRACKS REMAINING TO SYNC: count
```

Cause

The WAITFORCOMPLETION(R1R2SYNC) option was specified with the MESSAGES subparameter. The copy operation has not completed and the number of tracks remaining to be copied is identified.

Action

None.

ESNP679I

```
R1R2SYNC CHECK COMPLETE, COPY COMPLETE
```

Cause

WAITFORCOMPLETION(R1R2SYNC) was specified and the synchronization has completed.

Action

None.

ESNP680E

```
INTERNAL EXTENT TABLE SIZE EXCEEDED
```

Cause

An internal table used to contain the extent track is not large enough.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP681E

```
INTERNAL SORT FAILED WITH CODE rc
```

Cause

The internal sort failed while sorting the extent track.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP690E

```
UNABLE TO BUILD ACB FOR FILE: dsname
```

Cause

An attempt to generate an ACB for the file has failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP691E

```
UNABLE TO BUILD RPL FOR FILE: dsname
```

Cause

An attempt to generate an RPL for the file has failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP692E

```
UNABLE TO OPEN FILE FOR EXPANSION: dsname
```

Cause

An attempt to open the file has failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP700E

UNABLE TO OPEN FILE FOR EXPANSION: *dsname*

Cause

An attempt to open the file has failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP710E

SNAP API - I/O ERROR READING R0 RECORDS

Cause

An I/O error occurred while reading R0 records from the source device.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP711E

SNAP API - SYMMETRIX NOT A SYM4 OR NEWER

Cause

The target storage system is not a Symmetrix 4 or newer. Only Symmetrix 4 or newer machines support the appropriate operating environment.

Action

TimeFinder functionality is not available on the current level of the storage system.

ESNP712E

EMC SNAP API - I/O ERROR OBTAINING SUPPORTED SYSCALL LIST

Cause

An I/O error occurred while attempting to obtain the list of supported syscalls.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP713E

EMC SNAP API - I/O ERROR CHECKING TARGET PROTECTION

Cause

An I/O error occurred while checking the status of the target protection.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP714E

EMC SNAP API - TARGET EXTENT IS CURRENTLY PROTECTED

Cause

The target dataset is either protected by a concurrent copy session, or the source of a previous TimeFinder request.

Action

Wait for the existing operation on the target location to complete and try again.

ESNP715E

EMC SNAP API - UNABLE TO ACQUIRED STORAGE FOR I/O

Cause

Insufficient virtual storage was available for I/O control blocks.

Action

Check the region specification and re-submit the job.

ESNP716E

EMC SNAP API - I/O ERROR READING SOURCE TRACK IMAGE

Cause

An I/O error occurred reading a track from the source or target volume.

Action

The specified device must be online and there must be a path online to the device. Use the z/OS command DISPLAY PATH to view the device and path status. Use GTF to trace the I/O to the device. Save the output from GTF and from this job and contact the Dell EMC Customer Support Center.

ESNP717E

EMC SNAP API - I/O ERROR WRITING TARGET TRACK IMAGE

Cause

An I/O error occurred writing to the target volume.

Action

The specified device must be online and there must be a path online to the device. Use the z/OS command DISPLAY PATH to view the device and path status. Use GTF to trace the I/O to the device. Save the output from GTF and from this job and contact the Dell EMC Customer Support Center.

ESNP718E

EMC SNAP API - ESTABLISH EXTENT FAILED WITH RC=1700

Cause

Operating environment error.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP719E

EMC SNAP API - MIXED FBA AND CKD DEVICES IN REQUEST

Cause

A request to snap both FBA and CKD volumes in the same request.

Action

If the source is FBA, the target must also be FBA. If the source is CKD, the target must also be CKD.

ESNP720E

UNABLE TO LOAD THE FDRDSF PROGRAM, RC = *rc*

Cause

An attempt to load the FDRDSF data mover program has failed with the indicated return code.

Action

If the return code is a '106', additional region space may correct the problem. If the return code is '806', an authorized //STEPLIB pointing to the FDR program library will correct the problem.

ESNP721E

FDRDSF LOAD MODULE EYE-CATCHER NOT FOUND

Cause

The loaded FDRDSF program is missing a required eye-catcher.

Action

Ensure that version 5.3/22 or newer of FDRDSF is available. If the problem persists, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP722E

FDRDSF LOAD MODULE VERSION ID NOT FOUND

Cause

The loaded FDRDSF program is missing the required version identifier.

Action

Ensure that version 5.3/22 or newer of FDRDSF is available. If the problem persists, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP723E

FDRDSF LOAD MODULE IS AT VERSION *version*, REQUIRES VERSION 5.3/22 OR ABOVE

Cause

The loaded FDRDSF program is not at the proper version.

Action

Ensure that version 5.3/22 or newer of FDRDSF is available. If the problem persists, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP724E

```
FDRDSF LOAD MODULE IS AT VERSION version, REQUIRES VERSION 5.3/22  
OR ABOVE
```

Cause

The loaded FDRDSF program is at version 5.3, but it is not at the proper level.

Action

Ensure that version 5.3/22 or newer of FDRDSF is available. If the problem persists, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP730E

```
READ OF VVDS RECORDS FAILED, RC: rc
```

Cause

An attempt to read the VVDS record for the target dataset has failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP731I

```
TARGET DATASET NAME: dsname VOLSER: volser
```

Cause

This message immediately follows message ESNP730E and identifies the target dataset.

Action

See message ESNP730E.

ESNP740E

```
DATASET NOT FOUND IN CATALOG: dsname
```

Cause

An attempt to validate the cluster name specified in the RELATE parameter has failed. The dataset was not found in the system catalog.

Action

Correct the dataset name specified in the RELATE parameter.

ESNP741E

```
DATASET dsname IS NOT A VSAM CLUSTER
```

Cause

The dataset name specified in the RELATE parameter is not a VSAM cluster.

Action

Correct the dataset name specified in the RELATE parameter.

ESNP750E

```
USER VARY EXIT HAS FAILED THIS REQUEST
```

Cause

The site has supplied a user vary exit routine. This routine was called prior to a VARY device OFFLINE or VARY device ONLINE. The user vary exit routine has failed the request.

Action

Refer to the following message (ESNP751I) which will contain a message supplied by the user vary exit routine.

ESNP751I

```
R15: value R0: value R1: value MSG: user-message
```

Cause

The site user vary exit routine has failed a vary request. This message lists the information returned by the user vary exit routine.

Action

Contact your site administrator for further information.

ESNP760E

```
READ FOR TARGET DATASET DSCB FAILED, CVAFDIR RC: rc
```

Cause

An attempt to read the target dataset DSCB has failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP761I

```
TARGET DATASET NAME: dsname VOLSER: volser
```

Cause

This message immediately follows message ESNP760E and identifies the source dataset.

Action

See message ESNP760E.

ESNP771I

```
** TYPRUN(SCAN) **
```

Cause

This line appears in the summary report when TYPRUN(SCAN) is specified. This is a reminder that no action was really performed since TYPRUN(SCAN) was specified.

Action

None.

ESNP772I

```
** TYPRUN(NORUN) **
```

Cause

This line appears in the summary report when TYPRUN(NORUN) is specified. This is a reminder that no action was really performed since TYPRUN(NORUN) was specified.

Action

None.

ESNP773I

```
** PREPARE_FOR_SNAP ENABLED **
```

Cause

This message is produced in the summary report at the end of the run.

Action

None.

ESNP780E

```
THE SOURCE AND TARGET DATASETS ARE NOT THE SAME TYPE OF DATASET
```

Cause

The target dataset already exists and parameters REPLACE(YES) and REUSE(YES) have been specified. The target dataset is not the same type of dataset as the source dataset. This means that they both must be VSAM datasets, or they both must be non-VSAM datasets. An AIX may not be snapped to a KSDS or ESDS.

Action

Specify REPLACE(YES) and REUSE(NO) to cause the target dataset to be erased and reallocated. Otherwise, correct the target dataset name. Also, if REPLACE(Yes), REUSE(Yes), and TOLERATE_REUSE_FAILURE(Yes) is specified, this dataset is erased and reallocated.

ESNP780I

```
THE SOURCE AND TARGET DATASETS ARE NOT THE SAME TYPE OF DATASET
```

Cause

The target dataset already exists and parameters REPLACE(YES) and REUSE(YES) have been specified. The target dataset is not the same type of dataset as the source dataset. This means that they both must be VSAM datasets, or they both must be non-VSAM datasets. An AIX may not be snapped to a KSDS or ESDS. Since TOLERATE_REUSE_FAILURE(YES) was specified, processing will continue.

Action

Specify REPLACE(YES) and REUSE(NO) to cause the target dataset to be erased and reallocated. Otherwise, correct the target dataset name. Also, if REPLACE(Yes), REUSE(Yes), and TOLERATE_REUSE_FAILURE(Yes) is specified, this dataset is erased and reallocated.

ESNP781I

```
SOURCE DATASET NAME: dsname CI/CA: nnn CISIZE: nnnn TRK/AU: nnnn
```

Cause

This message immediately follows message ESNP780E and identifies the source dataset.

Action

See message ESNP780E.

ESNP782I

```
TARGET DATASET NAME: dsname CI/CA: nnn CISIZE: nnnn TRK/AU: nnnn
```

Cause

This message immediately follows message ESNP780E and identifies the target dataset.

Action

See message ESNP780E.

ESNP783E

NEITHER DATASET CAN BE EXTENDED FORMAT WHEN CONVERTING VS TO PS

Cause

A VSAM component is being converted to a sequential file. Either the source VSAM component or the target sequential dataset is extended.

Action

Try again using a non-extended format dataset.

ESNP783I

NEITHER DATASET CAN BE EXTENDED FORMAT WHEN CONVERTING VS TO PS

Cause

A VSAM component is being converted to a sequential file. Either the source VSAM component or the target sequential dataset is extended. Since a logical datamovername was specified, the copy will proceed using the datamover.

Action

Try again using a non-extended format dataset.

ESNP784E

BOTH DATASETS MUST HAVE THE SAME CI/CA, CISIZE AND TRK/AU

Cause

The source and target datasets do not have the same CI/CA ratio, CISIZE, or tracks per allocation unit. Unable to reuse the target dataset.

Action

The target dataset may not be reused with this source dataset. Try again with a different target dataset, or change the REUSE(YES) to REUSE(NO).

ESNP790I

MIGRATED DATASET HAS BEEN PURGED: *dsname*

Cause

The target dataset already existed and was migrated. REPLACE(YES) and MIGRATE(PURGE(YES)) have been specified. The migrated target dataset has been successfully purged.

Action

None.

ESNP791E

HSM REQUEST TO PURGE A MIGRATED DATASET FAILED WITH RC: *rc* RS: *rs*

Cause

The target dataset already existed and was migrated. REPLACE(YES) and MIGRATE(PURGE(YES)) have been specified. The attempt to purge the migrated target dataset has failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP792I

```
UNABLE TO PURGE MIGRATED DATASET: dsname
```

Cause

This message is a continuation of message ESNP791E and identifies the target dataset.

Action

See message ESNP791E.

ESNP800I

```
MIGRATED DATASET HAS BEEN RECALLED: dsname
```

Cause

The source dataset has been migrated and MIGRATE(RECALL(YES)) has been specified. The migrated source dataset has been successfully recalled.

Action

None.

ESNP801E

```
HSM REQUEST TO RECALL A MIGRATED DATASET FAILED WITH RC: rc RS: rs
```

Cause

The source dataset has been migrated and MIGRATE(RECALL(YES)) has been specified. The attempt to recall the migrated source dataset has failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP802I

```
UNABLE TO RECALL MIGRATED DATASET: dsname
```

Cause

This message is a continuation of message ESNP801E and identifies the source dataset.

Action

See message ESNP801E.

ESNP810E

```
RENAMEUNCONDITIONAL IS ONLY VALID WHEN SPHERE(YES) IS SPECIFIED
```

Cause

RENAMEUNCONDITIONAL has been specified. RENAMEUNCONDITIONAL is only valid with SPHERE(YES). SPHERE(YES) has not been specified.

Action

Specify SPHERE(YES) or remove the RENAMEUNCONDITIONAL parameter.

ESNP811E

AN UNEQUAL NUMBER OF (OLDMASK,NEWMASK) PAIRS HAVE BEEN SPECIFIED FOR RENAMEUNCONDITIONAL

Cause

The (oldnamemask, newnamemask) pairs must match up. Only one prefix may be specified and it must be the first subparameter of the RENAMEUNCONDITIONAL parameter.

Action

Correct the RENAMEUNCONDITIONAL parameter syntax.

ESNP812E

THE RENAMEUNCONDITIONAL PREFIX IS LARGER THAN 8 CHARACTERS

Cause

The RENAMEUNCONDITIONAL (prefix) parameter has been used. The prefix is limited to a single index level of no more than eight characters.

Action

Correct the RENAMEUNCONDITIONAL (prefix) parameter.

ESNP813I

PREFIX: *prefix*

Cause

This message immediately follows message ESNP812E and identifies the prefix.

Action

See message ESNP812E.

ESNP820E

SPHERE(YES) CANNOT BE USED WITH WILD SOURCE OR TARGET NAMES

Cause

SPHERE(YES) has been specified with a wild source or wild target dataset name. The SPHERE parameter is only valid with a specific source and target.

Action

Remove the SPHERE(YES) parameter or correct the source and target dataset names.

ESNP821E

SPHERE(YES) AND RELATE ARE MUTUALLY EXCLUSIVE

Cause

SPHERE(YES) and RELATE(dsname) have both been used in the same SNAP DATASET command. This is not valid. The SPHERE(YES) parameter may only be used when snapping primary clusters, and the RELATE parameter may only be used when snapping alternate indexes.

Action

Remove the improper clause.

ESNP822E

SPHERE(YES) REQUIRES THE SOURCE TO BE A VSAM CLUSTER

Cause

SPHERE(YES) has been specified with a dataset that is not a primary VSAM cluster.

Action

Remove the SPHERE(YES) parameter, or specify a source dataset that is a primary VSAM cluster.

ESNP823E

```
INDSORG(VS) AND OUTDSORG(PS) MUST BE SPECIFIED TOGETHER
```

Cause

One of the parameters INDSORG(VS) or OUTDSORG(PS) was specified.

Action

Either remove the parameter in error, or add the other parameter.

ESNP830E

```
IDCAMS FAILED WITH RC: rc WHILE DEFINING PATH: pathname
```

Cause

The IDCAMS definition of the path failed.

Action

Review the IDCAMS allocation message log and correct the indicated problem.

ESNP840E

```
ERROR OCCURRED ISSUING ENQ FOR DATASET dsname ENQ RC: returncode
```

Cause

An ENQ for the indicated dataset failed.

Action

None.

ESNP841E

```
UNABLE TO OBTAIN EXCLUSIVE ENQ FOR DATASET dsname RC: returncode
```

Cause

An EXCLUSIVE ENQ for the indicated dataset failed. HOSTCOPYMODE(EXCLUSIVE) was indicated, the dataset was not exclusively. TOLERATEENQFAILURE(NO) was also specified.

Action

Because TOLERATEENQFAILURE(NO) was specified, processing for this dataset stops. If the dataset does not need to be exclusively accessed, change the HOSTCOPYMODE to either SHARED or NONE or specify TOLERATEENQFAILURE(YES).

ESNP850E

```
A SINGLE DATASET HAS BEEN SPECIFIED AS BOTH SOURCE AND TARGET, NOT ALLOWED
```

Cause

An analysis of the source and target datasets has revealed that they are the same dataset.

Action

Correct the incorrect dataset name.

ESNP851I

```
DSNAME: dsname
```

Cause

This message immediately follows message ESNP850E and identifies the dataset.

Action

See message ESNP850E.

ESNP860I

```
INVOKING DATAMOVER PROGRAM program
```

Cause

The requested datamover program is being used.

Action

None.

ESNP870E

```
IDCAMS FAILED WITH RC: rc WHILE DEFINING GDG: gdgbasename
```

Cause

The IDCAMS definition of the generation data group failed.

Action

Review the IDCAMS allocation message log and correct the indicated problem.
The *TimeFinder Utility for z/OS Product Guide* provides more information about IDCAMS.

ESNP871E

```
UNABLE TO OBTAIN SOURCE GDG BASE INFORMATION FOR: gdgbasename
```

Cause

An error occurred when obtaining the GDG information for the source dataset.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP880E

```
SPECIFIED SOURCE DDNAME ddname IS MISSING
```

Cause

INDDNAME was specified on the SNAP DATASET or SNAP VOLUME command. The indicated DDNAME is not present in the JCL.

Action

Correct the INDDNAME clause, or add the appropriate DD statement to the JCL.

ESNP881E

```
SPECIFIED SOURCE DDNAME ddname HAS CONCATENATED FILES
```

Cause

INDDNAME was specified on the SNAP DATASET or SNAP VOLUME command. The indicated DDNAME was found to have concatenated files. This is not supported.

Action

Correct the DD statement in the JCL.

ESNP890E

SPECIFIED TARGET DDNAME *ddname* IS MISSING

Cause

OUTDDNAME was specified on the SNAP DATASET or SNAP VOLUME command. The indicated DDNAME is not present in the JCL.

Action

Correct the OUTDDNAME clause, or add the appropriate DD statement to the JCL.

ESNP891E

SPECIFIED TARGET DDNAME *ddname* HAS CONCATENATED FILES

Cause

OUTDDNAME was specified on the SNAP DATASET or SNAP VOLUME command. The indicated DDNAME was found to have concatenated files. This is not supported.

Action

Correct the DD statement in the JCL.

ESNP900E

INDDNAME *ddname* REFERS TO VOLUME *volser*, NOT VOLUME *volser* IN THE SOURCE VOLUME PARAMETER

Cause

Both the INDDNAME and SOURCE(VOLUME) parameters were specified for a SNAP VOLUME command. They point to different devices.

Action

Correct or remove the invalid clause.

ESNP901I

INDDNAME *ddname* WAS REQUESTED, FOUND USING VOLUME *volser*

Cause

The INDDNAME volume has been found and identified.

Action

None.

ESNP902E

INDDNAME *ddname* REFERS TO A PERMANENT DATASET, MUST BE A VOLUME REFERENCE

Cause

INDDNAME was specified on a SNAP VOLUME command. The indicated DDNAME specified DSN=, not just VOL=SER=.

Action

Correct the INDDNAME DD statement in the JCL.

ESNP910E

OUTDDNAME *ddname* REFERS TO VOLUME *volser*, NOT VOLUME *volser* IN THE TARGET VOLUME PARAMETER

Cause

Both the OUTDDNAME and TARGET(VOLUME) parameters were specified for a SNAP VOLUME command. They point to different devices.

Action

Correct or remove the invalid clause.

ESNP911I

OUTDDNAME *ddname* WAS REQUESTED, FOUND USING VOLUME *volser*

Cause

The OUTDDNAME volume has been found and identified.

Action

None.

ESNP912E

OUTDDNAME *ddname* REFERS TO A PERMANENT DATASET, MUST BE A VOLUME REFERENCE

Cause

OUTDDNAME was specified on a SNAP VOLUME command. The indicated DDNAME specified DSN=, not just VOL=SER=.

Action

Correct the OUTDDNAME DD statement in the JCL.

ESNP913E

DDNAME *ddname* REFERS TO VOLUME *volser* WHICH CANNOT BE USED DUE TO AN ERROR IN EXTENTS PROGRAM

Cause

The message indicates that the volume *volser* referred by the DDNAME *ddname* cannot be handled properly. This may be due to the volume being an R2.

Action

Check whether the volume is an R2 device and choose another one if it is.

ESNP920E

ICKDSF REFVTOC FOR VOLUME *volser* FAILED WITH RC: *rc*

Cause

The call to ICKDSF to perform the REFVTOC failed. Review the error log for related messages.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP922W

```
ICKDSF REFVTOC FOR VOLUME volser NOT RUN
```

Cause

The indicated *volser* is offline. ICKDSF REFVTOC was not run.

Action

Run ICKDSF REFVTOC on the indicated *volser*. It should be online when you run it.

ESNP923I

```
DEVICE IS OFFLINE. YOU SHOULD RUN REFVTOC MANUALLY BEFORE  
PROCEEDING
```

Cause

See prior message ESNP922W.

Action

None.

ESNP930E

```
ERROR RETURNED FROM NAMETOKN, RC=rc
```

Cause

The call to the NAMETOKN program failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNP960I

```
WAITING FOR EXCLUSIVE RESERVE FOR VOLUME volser
```

Cause

ENQWAIT(YES) was specified on the TimeFinder request, and the volume is reserved or in use by another task.

Action

The TimeFinder request waits until the volume is available.

ESNP961I

```
WAITING FOR EXCLUSIVE ENQ FOR VOLUME volser
```

Cause

ENQWAIT(YES) was specified on the TimeFinder request, and the volume is in use by another task.

Action

The TimeFinder request waits until the volume is available.

ESNP970W

```
BCVGROUP, SCFGROUP, UNITNAME, OR VOLUME WAS SPECIFIED, NO VOLUMES  
SELECTED
```

Cause

The volumes that were specified by the indicated parameter were not online. If the source data set is SMS-controlled and all the target volumes are SMS candidates, then the snap operation may not terminate as expected and a copy to SMS target volumes may still progress.

Action

Re-specify the operation with an available volume.

ESNP971E

SOURCE DATASET IS AN EXTENDED FORMAT DATASET AND REQUIRES AN SMS STORAGE GROUP TO BE SELECTED.

Cause

Either the user did not specify a SMS storage class, or the ACS routine did not specify a SMS storage class.

Action

An extended format dataset can only be copied to a valid SMS storage group. Add the STORCLAS parameter to the request and specify a valid SMS storage class.

ESNP972I

SOURCE DATASET MISMATCH WITH TARGET DATACLASS

Cause

The source dataset type (compressed or extended) does not match the type indicated in the target data class.

Action

Correct the data class to match the type of source dataset.

ESNP973I

SOURCE TYPE: *type1* TARGET DATACLASS TYPE: *type2*

Cause

Follows ESNP972I and identifies the existing source dataset type (compressed or extended) and the conflicting target data class type.

Action

See message ESNP972I.

ESNP974E

LOGICAL DATAMOVER REQUIRED, AND EXTENT ALLOCATION MUST NOT BE USED

Cause

Follows ESNP972I. A logical copy of the data is desired, but extent allocation was specified. Extent allocation will make an identical copy of the dataset set (including dataset type).

Action

Specify EXTENT_ALLOCATION(NO) and rerun.

ESNP975I

EXTENT_ALLOCATION(NO) FORCED, LOGICAL DATA MOVER SPECIFIED AND WILL BE USED

Cause

See message ESNP972I, which precedes this message in the output log file. Because the source and target are of different types, a physical copy will not result in a usable file. Instead, a logical copy using the requested data mover will be performed.

Action

None.

ESNP980E

```
THE COPY FOR DATASET dsname CANNOT OCCUR
```

Cause

The specified operation cannot process the specified dataset because the target is either not on the same storage system or is not a BCV (at least Engenuity 5265).

Action

See the following message for additional detail and corrective action.

ESNP981E

```
A DATAMOVER UTILITY IS REQUIRED
```

Cause

This message follows message ESNP980E to indicate the cause of the error.

Action

Re-specify the operation with the DATAMOVERNAME parameter.

ESNP982E

```
TARGET DEVICE HAS "INHIBIT OUTBOARD COPY" SET, PREVENTING  
MICROCODE COPIES
```

Cause

The requested target device has "inhibit outboard copy" set. This prevents any operating environment copies from occurring.

Action

Choose one of the following options:

- Review the IBM documentation and make the device write enabled.
- Use CONFIG to change the "inhibit outboard copy" setting.
- Choose another device.

ESNP983I

```
S/N symm-serial - TEMPORARY ACCESS GRANTED AS LICENSE COULD NOT BE  
DETERMINED.
```

Cause

License information for the storage system could not be determined so temporary access was granted.

Action

Issue a DEV,RESCAN command of SCF (ResourcePak Base).

ESNP990I

```
message-text
```

Cause

This message contains the text of the IDCAMS log file.

Action

None.

ESNP991I

message-text

Cause

This message contains the text of the FDRDSF log file.

Action

None.

ESNP992I

message-text

Cause

This message contains the text of the ADRDSSU log file.

Action

None.

ESNP993I

message-text

Cause

This message contains the text of the ICKDSF REFVTOC log file.

Action

None.

ESNP994I

message-text

Cause

This message contains the text of the IDCAMS input file.

Action

None.

ESNPA00I

PROCESSING FOR STATEMENT *stmt#* BEGINNING, DEBUG DATASET REQUEST

Cause

A DEBUG DATASET command is being processed.

Action

None.

ESNPA01I

PROCESSING FOR STATEMENT *stmt#* COMPLETED, HIGHEST RETURN CODE
ENCOUNTERED IS *rc*

Cause

Processing for a DEBUG DATASET command has completed. The highest return code encountered is identified.

Action

None.

ESNPA02I

```
SOURCE MASK: mask
```

Cause

This message immediately follows message ESNPA00I, indicating the source dataset name mask.

Action

None.

ESNPA04I

```
EXCLUDE MASK: mask
```

Cause

This message immediately follows message ESNPA02I and identifies the exclude dataset name mask (if present).

Action

None.

ESNPA05I

```
SOURCE DDNAME: ddname
```

Cause

This message immediately follows message ESNPA00I identifying the source DD statement used.

Action

None.

ESNPA10I

```
IDCAMS COMPLETED WITH RC: xx WHILE VERIFYING DSNAME: dsname
```

Cause

The IDCAMS verification of the dataset completed with no errors. The *TimeFinder Utility for z/OS Product Guide* provides more information about IDCAMS.

Action

None.

ESNPA11I

```
IDCAMS COMPLETED WITH RC: xx WHILE EXAMINING DSNAME: dsname
```

Cause

The IDCAMS examination of the dataset completed with no errors. The *TimeFinder Utility for z/OS Product Guide* provides more information about IDCAMS.

Action

None.

ESNPA12E

```
IDCAMS COMPLETED WITH RC: xx WHILE VERIFYING DSNAME: dsname
```

Cause

The IDCAMS verification of the dataset completed with errors.

Action

Review the IDCAMS verify message log and correct the indicated problem. The *TimeFinder Utility for z/OS Product Guide* provides more information about IDCAMS.

ESNPA13E

```
IDCAMS COMPLETED WITH RC: xx WHILE EXAMINING DSNAME: dsname
```

Cause

The IDCAMS examination of the dataset completed with errors.

Action

Review the IDCAMS examine message log and correct the indicated problem. The *TimeFinder Utility for z/OS Product Guide* provides more information about IDCAMS.

ESNPA20E

```
THE SOURCE DATASET IS type1 AND THE TARGET DATASET IS type2
```

Cause

The source and target datasets identified are of mixed dataset types. This indicates that one dataset is: (EXTENDED, NON-EXTENDED, COMPRESSED, NON-COMPRESSED) and does not match the other dataset type.

Action

The source and target dataset must be of the same type.

If you specify a logical datamover name (such as IDCAMS or DFDSS), the copy will proceed using the logical data mover.

ESNPA20I

```
THE SOURCE DATASET IS type1 AND THE TARGET DATASET IS type2
```

Cause

The source and target datasets identified are of mixed dataset types. This indicates that one dataset is: (EXTENDED, NON-EXTENDED, COMPRESSED, NON-COMPRESSED) and the other dataset is a different type.

Action

The source and target dataset must be of the same type. A physical copy of the source dataset contents to the target dataset will result in an unusable dataset. Since a logical datamover name was specified, the copy will proceed using the datamover.

ESNPA21I

```
SOURCE DATASET NAME: dsname
```

Cause

This message immediately follows message ESNPA20E and identifies the source dataset name.

Action

See message ESNPA20E.

ESNPA22I

```
TARGET DATASET NAME: dsname
```

Cause

This message immediately follows message ESNPA21I and identifies the target dataset name.

Action

See message ESNPA20E.

ESNPA30I

```
MICROCODE PATCH xxxxxxxx IS MISSING, UNABLE TO UTILIZE VOLUME  
PREFERENCING
```

Cause

The identified operating environment patch is required when using volume preferencing.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPA40I

```
ERROR ENCOUNTERED BY IBM SNAPSHOT - RC: x RTNCODE: y RSNCODE: z
```

Cause

An error occurred while invoking SNAPSHOT to process a TimeFinder request on a SNAPSHOT capable storage system. The reason code (RSNCODE) and return code (RTNCODE) displayed are IBM ANTRQST codes.

Action

Consult the ANTRQST reason and return codes chapter in the IBM manual, MVS System Messages for more information about these codes.

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPA50E

```
EMCACCS ENDED WITH ERROR, RC:
```

Cause

An error occurred interfacing with SMS while processing a TimeFinder request.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPA51I

```
message-text
```

Cause

Description of error encountered. This is a result of invoking the user's ACS routine. Any messages produced by the ACS routine will be shown with this message prefix.

Action

See to contents of the message.

ESNPA60E

```
INVALID COMPONENT IDENTIFIED - TYPE: xxx
```

Cause

The source dataset contains an invalid component and cannot be processed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPA61E

```
UNABLE TO GENERATE COMPONENT NAME FOR CLUSTER xx, TYPE yyy
```

Cause

The target dataset name generated for a component of a VSAM Cluster is invalid.

Action

Check the SNAP DATASET TARGET parameter specified and correct as necessary.

ESNPA62E

```
UNABLE TO GENERATE COMPONENT NAME FOR PATH DEFINITION pathname,  
YOU SHOULD USE "RENAMEU"
```

Cause

The target path name generated for a component of a VSAM cluster is invalid.

Action

Use the RENAMEUNCONDITIONAL parameter to inform this application how you would like the new target pathname to be generated.

ESNPA70I

```
DATASET ALLOCATED SUCCESSFULLY
```

Cause

The target dataset extents have been allocated using the EXTENT_ALLOCATION feature.

Action

None.

ESNPA71E

```
RETURN CODE: (xx-yy) FROM EXTENT_ALLOCATION FOR DSNAME: dsname
```

Cause

An error was encountered during target dataset allocation when using the EXTENT_ALLOCATION feature.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for

applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPA80I

```
VALIDATING TRACKS SNAPPED FROM SOURCE DATASET dsname
```

Cause

Identifies the source dataset name being validated.

Action

None.

ESNPA81I

```
TO TARGET DATASET: dsname
```

Cause

Identifies the target dataset name, for the source dataset in message ESNPA80I.

Action

None.

ESNPA82I

```
SOURCE VOLUME: volser (S/N symm-serial/symdv#) CCHH: cchh
```

Cause

Identifies the volume and physical location of the source and target extents being processed.

Action

None.

ESNPA83I

```
TARGET VOLUME: volser (S/N symm-serial/symdv#)  
CCHH: cchh TRACK# bbb
```

Cause

Identifies the volume and physical location of the target extents being processed.

Action

None.

ESNPA84S

```
PARALLEL TASK FOR THIS REQUEST ABNORMALLY TERMINATED
```

Cause

Subtask terminated. See console log for details.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPA90E

SOURCE TRACK (x) VALIDATION COMPLETE - TARGET TRACK (y) HAS MORE BLOCKS

Cause

An error was identified during validation processing.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPA91E

TARGET TRACK (x) VALIDATION COMPLETE - SOURCE TRACK (y) HAS MORE BLOCKS

Cause

An error was identified during validation processing.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPA92E

SOURCE TRACK CCHH DESIRED (x) DOESN'T MATCH TRACK CCHH READ (y)

Cause

An error was identified during validation processing.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPA93E

TARGET TRACK CCHH DESIRED (x) DOESN'T MATCH TRACK CCHH READ (y)

Cause

An error was identified during validation processing.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPA94E

SOURCE RECORD NUMBER IN COUNT (x) DOESN'T MATCH TARGET RECORD NUMBER IN COUNT (y)

Cause

An error was identified during validation processing.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPA95E

```
SOURCE KEY LENGTH IN COUNT (x) DOESN'T MATCH TARGET KEY LENGTH IN  
COUNT (y)
```

Cause

An error was identified during validation processing.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPA96E

```
SOURCE DATA LENGTH IN COUNT (x) DOESN'T MATCH TARGET DATA LENGTH  
IN COUNT (y)
```

Cause

An error was identified during validation processing.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPB00E

```
SOURCE TRACK (x) KEY FIELD DOESN'T MATCH TARGET TRACK (y) KEY  
FIELD
```

Cause

An error was identified during validation processing.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPB01E

```
SOURCE TRACK (x) DATA FIELD DOESN'T MATCH TARGET TRACK (y) DATA  
FIELD
```

Cause

An error was identified during validation processing.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPB10E

ERROR OCCURRED ISSUING SYSVSAM ENQ FOR DATASET *dsname* ENQ RC: *rc*

Cause

The VSAMENQMODE parameter was specified and an unexpected error occurred while processing the ENQ macro.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPB11E

UNABLE TO OBTAIN EXCLUSIVE SYSVSAM ENQ FOR DATASET *dsname* RC: *rc*

Cause

VSAMENQMODE(EXCLUSIVE) was requested with TOLERATEVSAMENQMODE(NO). The dataset is currently not available.

Action

Either change one of the parameters (VSAMENQMODE or TOLERATEVSAMENQMODE) to be less restrictive, or wait until after the job that currently has the VSAM dataset open to end.

ESNPB12E

UNABLE TO OBTAIN SHARED SYSVSAM ENQ FOR DATASET *dsname* RC: *rc*

Cause

VSAMENQMODE(SHARED) was requested with TOLERATEVSAMENQMODE(NO). The dataset is currently not available.

Action

Either change one of the parameters (VSAMENQMODE or TOLERATEVSAMENQMODE) to be less restrictive, or wait until after the job that currently has the VSAM dataset open to end.

ESNPB13W

UNABLE TO OBTAIN EXCLUSIVE SYSVSAM ENQ FOR DATASET *dsname*

Cause

VSAMENQMODE(EXCLUSIVE) was requested with TOLERATEVSAMENQMODE(YES). The dataset is currently in use.

Action

None. The operation continues normally.

ESNPB14W

UNABLE TO OBTAIN SHARED SYSVSAM ENQ FOR DATASET *dsname*

Cause

VSAMENQMODE(SHARED) was requested with TOLERATEVSAMENQMODE(YES). The dataset is currently in use. The snap continues normally.

Action

None.

ESNPB20W

```
VSAM OPEN INDICATOR SET FOR CLUSTER: dsname
```

Cause

A VSAM dataset has the open (for update) indicator set in the VVDS. This is set by VSAM whenever a VSAM dataset is opened for update. It is reset when the VSAM dataset is closed normally. If the open (for update) indicator is currently set, it may be that a job currently has the VSAM dataset opened for update, or a job which had the dataset opened for update has ended abnormally. If the VSAM dataset is opened for update by another job at the same time it is being snapped, the integrity of the data in the dataset may be questionable.

Normally, the next job that attempts to open the VSAM dataset for update purposes causes a VERIFY to automatically run, correcting any latent issues with the dataset. TimeFinder never opens the source dataset for update and does not cause VERIFY to be run on the source dataset. TimeFinder does normally run a VERIFY against the target dataset, so the target dataset should not have any latent issued.

Action

To prevent this message from being issued, you may use the HOSTCOPYMODE parameter to indicate that EXCLUSIVE access to the dataset desired, preventing it from being opened by any other job while being snapped. If the dataset is not allocated to any other jobs, you might wish to run an IDCAMS VERIFY against the source dataset prior to running TimeFinder.

ESNPB21I

```
VSAM OPEN INDICATOR SET FOR CLUSTER: dsname ATTEMPTING TO VERIFY  
AND RESET
```

Cause

A VSAM dataset has the open (for update) indicator set in the VVDS. This is set by VSAM whenever a VSAM dataset is opened for update. It is reset when the VSAM dataset is closed normally. If the open (for update) indicator is currently set, it may be that a job currently has the VSAM dataset opened for update, or a job which had the dataset opened for update has ended abnormally. If the VSAM dataset is opened for update by another job at the same time it is being snapped, the integrity of the data in the dataset may be questionable. The parameter VERIFY_OPEN_SOURCE(YES) was coded and an attempt is made to VERIFY the cluster. If the cluster is not actually in use by another job, this VERIFY should reset the VSAM open indicator. If the cluster is in use by another job, the VERIFY is not able to reset the VSAM open indicator.

After the VERIFY has completed, the VSAM open indicator is again checked.

Action

None.

ESNPB30E

```
SMS VOLUMES REQUIRED, NONE SUPPLIED
```

Cause

After resolving the SMS class information, no SMS volumes were found to be available.

Action

Correct the SMS class information and try again.

ESNPB40E

```
ERROR FROM PATHGROUPS API FOR VOLUME (volser S/N symm-serial/symdv#) RC: rc EMCRC: emcrcEMCRS: rs ENCRCL rcx
```

Cause

An error was detected when obtaining the path group information for the indicated volume.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPB50E

```
ERROR RETURNED FROM DEVICESTATUS API FOR VOLUME (volser S/N symm-serial/symdv#) RC: rc EMCRC: emcrc EMCRS: rs ENCRCL: rcx
```

Cause

An error was detected when obtaining device information for the indicated volume.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPB70E

```
SPECIFYING INDSORG(VS) REQUIRES THAT THE SOURCE DATASET BE A VSAM COMPONENT
```

Cause

INDSORG(VS) was specified when the source dataset is not a VSAM component.

Action

Either remove the INDSORG(VS) parameter, or correct the source dataset name to refer to a VSAM component.

ESNPB71E

```
DATASET dsname IS NOT A VSAM COMPONENT DATASET
```

Cause

This is a continuation of message ESNPB70E.

Action

See message ESNPB70E.

ESNPB80E

```
TARGET(dsname) AND OUTDDNAME(dsname) ARE MUTUALLY EXCLUSIVE
```

Cause

A target dataset name and a target ddname may not be used together in the same statement.

Action

Change the action request to only use one of the two parameters.

ESNPB81E

STOP SNAP TO DATASET DOES NOT SUPPORT WILD TARGET NAMES

Cause

A request to stop the snap to a target dataset was detected. The dataset name contains wild card characters.

Action

Correct the action to refer to each dataset by name.

ESNPB82E

THE SCRATCH(YES) AND OUTDDNAME(DDNAME) ARE MUTUALLY EXCLUSIVE

Cause

A STOP SNAP TO DATASET request is using both the SCRATCH(YES) and OUTDDNAME parameters. The dataset may not be scratched if it is currently allocated to this job step.

Action

Remove the SCRATCH(YES) parameter, or remove the DD-Statement and use the TARGET(DSNAME) parameter instead of the OUTDDNAME(DDNAME) parameter.

ESNPB90I

PROCESSING FOR STATEMENT *stmt#* BEGINNING, STOP SNAP TO DATASET REQUEST

Cause

A STOP SNAP TO DATASET request is being processed.

Action

None.

ESNPB91I

PROCESSING FOR STATEMENT *stmt#* COMPLETED, HIGHEST RETURN CODE ENCOUNTERED IS *rc*

Cause

A STOP SNAP TO DATASET request has completed processing.

Action

None.

ESNPB92I

TARGET MASK: *dsname*

Cause

A STOP SNAP TO DATASET is being processed for the identified dataset

Action

None.

ESNPB93I

TARGET DDNAME: *ddname*

Cause

A STOP SNAP TO DATASET is being processed for the identified ddname.

Action

None.

ESNPB94I

```
DATASET dsname HAS BEEN DELETED
```

Cause

A STOP SNAP TO DATASET request has completed processing and the SCRATCH(YES) parameter was also specified. The identified dataset has been deleted.

Action

None.

ESNPB95I

```
PROCESSING BYPASSED DUE TO TYPRUN=NORUN OPTION
```

Cause

TYPRUN=NORUN was specified and all action processing is bypassed.

Action

Verify that the processing will produce the desired results and run again without TYPRUN=NORUN.

ESNPB96I

```
SOURCE DSN: dsname TARGET DSN: dsname
```

Cause

TYPRUN=NORUN was requested. This message identifies the source and target datasets that would be snapped if the run was to be processed.

Action

None.

ESNPB97I

```
PROCESSING BYPASSED DUE TO PREPARE_FOR_SNAP(YES) OPTION
```

Cause

PREPARE_FOR_SNAP(YES) is specified and all action processing is bypassed.

Action

Run again without PREPARE_FOR_SNAP(YES) for processing to occur.

ESNPC00I

```
PROCESSING FOR STATEMENT stmt# BEGINNING, STOP SNAP TO VOLUME  
volser
```

Cause

A STOP SNAP TO VOLUME request is being processed to the identified volume.

Action

None.

ESNPC01I

```
PROCESSING FOR STATEMENT stmt# COMPLETED, HIGHEST RETURN CODE  
ENCOUNTERED IS rc
```

Cause

A STOP SNAP TO * request has completed processing.

Action

None.

ESNPC02I

```
PROCESSING BYPASSED DUE TO TYPRUN=NORUN OPTION
```

Cause

TYPRUN=NORUN was specified and all action processing will be bypassed.

Action

Verify that the processing will produce the desired results and run again without TYPRUN=NORUN.

ESNPC03I

```
PROCESSING BYPASSED DUE TO PREPARE_FOR_SNAP(YES) OPTION
```

Cause

PREPARE_FOR_SNAP(YES) is specified and all action processing will be bypassed.

Action

Run again without PREPARE_FOR_SNAP(YES) for processing to occur.

ESNPC10E

```
INTERNAL EXTENT TABLE SIZE EXCEEDED
```

Cause

The internal table of extents has overflowed. Too many datasets were selected by wild carding in a single request statement.

Action

Change the request to specify fewer datasets.

ESNPC11E

```
INTERNAL SORT FAILED WITH CODE error-code
```

Cause

A sort of the internal table of extents failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPC12I

```
SNAP HAS BEEN STOPPED FOR nnn EXTENT(S) ON VOLUME  
(volser S/N sybm-serial/symdv#)
```

Cause

The STOP SNAP TO DATASET request was successful issued for the requested dataset.

Action

None.

ESNPC13E

SOURCE AND TARGET DEVICE MUST BE SUPPLIED TO STOP A FLASHCOPY SESSION

Cause

A STOP SNAP TO * command has been requested against a FLASHCOPY device. FLASHCOPY requires both the source and target device to be specified.

Action

Try the action again, including both a source and target device specification.

ESNPC14E

THE SOURCE AND TARGET DEVICES ARE NOT INVOLVED IN A FLASHCOPY SESSION

Cause

A STOP SNAP TO * command has been requested against a FLASHCOPY device. Both the source device and the target device have been specified. The two devices are not involved in a FLASHCOPY session.

Action

Review the device specifications and try again. A FCQUERY may be issued to verify the device FLASHCOPY information.

ESNPC15E

THE CORRECT SOURCE AND TARGET DEVICES MUST BE SUPPLIED TO STOP A FLASHCOPY SESSION

Cause

A STOP SNAP TO * command has been requested against a FLASHCOPY device. Both the source device and the target device have been specified. The two devices are not currently in a session together.

Action

Review the device specifications and try again. A FCQUERY may be issued to verify the device FLASHCOPY information.

ESNPC16I

SNAP HAS BEEN STOPPED FOR *nnn* FREESPACE EXTENT(S) ON VOLUME *volser* (S/N *symm-serial/symdv#*)

Cause

The FREESPACE(NO) parameter was specified (or defaulted) on a SNAP VOLUME command for an online device. A STOP SNAP TO VOLUME was internally issued for the areas on the volume that are not allocated.

Action

None.

ESNPC20W

NOTIFY REQUEST FAILED, THE SCF SERVER IS NOT AVAILABLE

Cause

Unable to locate a SCF server to monitor the snap request. This message may also be issued if the SCF Server is not at the release level required for the requested

operation. The snap completes normally, but no notify message is generated.

Action

None.

ESNPC21I

NOTIFY IGNORED, NOTIFY DOES NOT SUPPORT DEVICES SPECIFIED BY SYMDV#

Cause

A NOTIFY was specified for this request, but devices specified by SYMDV# are not monitored.

Action

None.

ESNPC22I

NOTIFY IGNORED, NOTIFY DOES NOT SUPPORT VIRTUAL DEVICES

Cause

A NOTIFY was specified for this request, but virtual devices are not monitored.

Action

None.

ESNPC23I

NOTIFY IGNORED, NOTIFY DOES NOT SUPPORT THIN DEVICES

Cause

Notify specified for this request, but thin devices are not monitored.

Action

None.

ESNPC30E

MICROCODE PATCH 12251, 12272, 12430, 12494 OR 12535 IS MISSING, UNABLE TO SNAP FBA DEVICES

Cause

To snap FBA devices, the identified operating environment levels must be present.

Action

Upgrade the operating environment level in the storage system.

ESNPC31E

SNAP FBA NOT SUPPORTED PRIOR TO MICROCODE LEVEL 5X67

Cause

To snap FBA devices, the identified operating environment levels must be present.

Action

Upgrade the operating environment level in the storage system.

ESNPC40E

ADDRSSU AND FDRDSF MAY NOT BE USED AS A DATA MOVERNAME WITH FBA

DEVICES

Cause

A DATAMOVERNAME was specified with a FBA device SNAP. Neither ADRDSSU or FDRDSF support FBA devices.

Action

If necessary, an internal DATAMOVERNAME of COPYCYL or COPYTRK may be used.

ESNPC41E

SOURCE AND TARGET MAY NOT BE THE SAME VOLUME

Cause

A SNAP VOLUME request specifies the same volume for both source and target.

Action

Correct the SNAP VOLUME command and try again.

ESNPC42E

ADRDSSU IS NOT A VALID DATAMOVER FOR OFFLINE DEVICES

Cause

An offline device was specified in the SNAP VOLUME command, along with ADRDSSU as the data mover. ADRDSSU does not support offline devices.

Action

If an offline device is desired and a data mover is required, specify either COPYCYL or COPYTRK.

ESNPC43E

FDRDSF IS NOT A VALID DATAMOVER FOR OFFLINE DEVICES

Cause

An offline device was specified in the SNAP VOLUME command, along with FDRDSF as the data mover. FDRDSF does not support offline devices.

Action

If an offline device is desired and a data mover is required, specify either COPYCYL or COPYTRK.

ESNPC44E

A DATAMOVER IS REQUIRED FOR OFFLINE DEVICES NOT IN THE SAME CONTROL UNIT

Cause

An offline device was specified in the SNAP VOLUME command. The two devices involved are not in the same storage system and a data mover is required.

Action

Specify either COPYCYL or COPYTRK as the data mover.

ESNPC45E

RESTORE SOURCE DEVICE MUST BE A VIRTUAL DEVICE

Cause

A non-virtual device was specified as the source for a restore operation.

Action

RESTORE is only valid from virtual devices. Correct the source (VDEV) parameter to specify a virtual device.

ESNPC46E

RESTORE TARGET DEVICE MAY NOT BE A VIRTUAL DEVICE

Cause

A virtual device was specified as the target for a restore operation.

Action

RESTORE is only valid to a non-virtual device. Correct the TARGET parameter to specify a non-virtual device.

ESNPC47E

THE TARGET VOLUME MUST HAVE THE SAME NUMBER OF CYLINDERS AS THE SOURCE VOLUME

Cause

A restore operation requires the source and target devices to have the same device geometry - track size and number of cylinders.

Action

Change the target device to one that matches the geometry of the virtual device.

ESNPC48E

MISSING SOURCE VOLUME

Cause

A SNAP VOLUME or RESTORE VOLUME command does not specify a source volume.

Action

Correct the command to include a source volume.

ESNPC49E

MISSING TARGET VOLUME'

Cause

A SNAP VOLUME or RESTORE VOLUME command does not specify a target volume.

Action

Correct the action to include a target volume.

ESNPC50E

EMC SNAP API - I/O ERROR OBTAINING SOURCE DEVICE LOCK

Cause

An I/O error was detected when attempting to acquire the source device lock.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPC51E

EMC SNAP API - SYSCALL ERROR OBTAINING SOURCE DEVICE LOCK

Cause

An error was detected when attempting to acquire the source device lock.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPC52E

EMC SNAP API - LOGICAL ERROR OBTAINING SOURCE DEVICE LOCK

Cause

An error was detected when attempting to acquire the source device lock.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPC53E

EMC SNAP API - RETRY EXHAUSTED, UNABLE TO OBTAIN SOURCE DEVICE LOCK

Cause

Repeated attempts to acquire the device lock have failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPC54E

EMC SNAP API - I/O ERROR RELEASING SOURCE DEVICE LOCK

Cause

An I/O error was detected when attempting to release the source device lock.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPC55E

EMC SNAP API - SYSCALL ERROR RELEASING SOURCE DEVICE LOCK

Cause

An error was detected when attempting to release the source device lock.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the

problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPC56E

EMC SNAP API - LOGICAL ERROR RELEASING SOURCE DEVICE LOCK

Cause

An error was detected when attempting to release the source device lock.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPC57E

EMC SNAP API - I/O ERROR OBTAINING DEVICESTATUS INFORMATION

Cause

An I/O error occurred while obtaining device status information from the storage system.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPC58E

EMC SNAP API - DEVICE IS IN MIGRATION MODE

Cause

The storage system is currently in Data Migration mode. TimeFinder operations are not available until the migration is complete and the storage system is returned to normal operational mode.

Action

Defer these requests until the data migration is complete.

ESNPC59E

EMC SNAP API - I/O ERROR OBTAINING SNAP STATUS INFORMATION

Cause

An I/O error was detected when attempting to obtain snap status information.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPC60E

EXTENT ALLOCATION MAY NOT BE USED WITH CATALOG (NO)

Cause

CATALOG(NO) was specified on the request and extent allocation is also selected.

Action

Either change catalog(no) to catalog(yes), or do not use extent allocation for this dataset.

ESNPC70I

```
API DEBUG REQUEST PROCESSED
```

Cause

A DEBUG command was encountered by the API interface.

Action

None.

ESNPC80I

```
API CLEANUP REQUEST PROCESSED
```

Cause

A CLEANUP EXTENT command was encountered by the API interface.

Action

None.

ESNPC90I

```
API SNAP DATASET REQUEST PROCESSED
```

Cause

A SNAP DATASET command was encountered by the API interface.

Action

None.

ESNPD00I

```
API GLOBAL REQUEST PROCESSED
```

Cause

A GLOBAL command was encountered by the API interface.

Action

None.

ESNPD10I

```
API RESET EXTENT TRACK REQUEST PROCESSED
```

Cause

A RESET EXTENT TRACK request was encountered by the API interface.

Action

None.

ESNPD20I

```
API STOP SNAP TO DATASET REQUEST PROCESSED
```

Cause

A STOP SNAP TO DATASET command was encountered by the API interface.

Action

None.

ESNPD30I

```
API STOP SNAP TO VOLUME REQUEST PROCESSED
```

Cause

A STOP SNAP TO VOLUME command was encountered by the API interface.

Action

None.

ESNPD40I

```
API SNAP VOLUME REQUEST PROCESSED
```

Cause

A SNAP VOLUME command was encountered by the API interface.

Action

None.

ESNPD50E

```
TYPRUN MUST BE SPECIFIED PRIOR TO THE FIRST SNAP STATEMENT
```

Cause

The TYPRUN option was encountered after a TimeFinder command. It must be specified prior to the first TimeFinder command.

Action

Ensure that the TYPRUN option is specified prior to any TimeFinder commands.

ESNPD60S

```
EMC SCF IS NOT AVAILABLE - SERVICE SAICALL FAILED
```

Cause

A request to obtain SCF information has failed.

Action

Activate SCF and try again. If the problem persists, contact the Dell EMC Customer Support Center.

ESNPD61S

```
EMC SCF IS NOT A SUPPORTED VERSION, SCF=xxxxxxxxx EMCSNAP=xxxxxxxxx
```

Cause

The Dell EMC address space is running a different level of software than the TimeFinder application supports.

Action

Ensure that the two software levels are the same and run again. If the problem persists, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPD62S

EMC SCF UNKNOWN ERROR

Cause

An unknown SCF error occurred.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPD63S

EMCSVCAV UNKNOWN ERROR

Cause

An unknown error occurred.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPD64S

EMC SCF IS NOT AVAILABLE - SERVICE EMCQCAPI FAILED

Cause

A request to obtain SCF information has failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

ESNPD65S

EMC SCF IS NOT A SUPPORTED VERSION, SCF=vv.11 EMCSNAP=vv.11

Cause

The Dell EMC address space is running a different level of software than the TimeFinder application supports.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

ESNPD66S

EMC SCF UNKNOWN ERROR

Cause

An unknown SCF error occurred.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the

problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

ESNPD67S

EMCSVLQC UNKNOWN ERROR

Cause

An unknown error occurred.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPD70E

EMC SNAP API - REMOVE EXTENT FAILED WITH RC=1700

Cause

An attempt to remove an extent from snap processing failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

ESNPD71E

EMC SNAP API - INVALID COMBINATION OF FLAG SETTINGS

Cause

The low level snap API has detected an invalid combination of flag settings in the parameter list.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

ESNPD72E

EMC SNAP API - I/O ERROR CREATING VIRTUAL SESSION

Cause

An I/O error was encountered while creating a virtual device session.

Action

Review the job log and SYSLOG for errors. Search the EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

ESNPD73E

EMC SNAP API - I/O ERROR ESTABLISHING VIRTUAL DEVICE

Cause

An I/O error was encountered while establishing a virtual device session.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPD74S

```
EMC SNAP API - API/SCF VERSION MISMATCH DETECTED
```

Cause

The Dell EMC address space is running a different level of software than the TimeFinder application supports.

Action

Ensure that the two software levels are the same and run again. If the problem persists, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPD75E

```
EMC SNAP API - NO SPACE AVAILABLE FOR EXTENT TRACK
```

Cause

The source device does not support an extent track.

Action

This device may not be used for snap purposes. Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPD76E

```
EMC SNAP API - I/O ERROR ACTIVATING VIRTUAL DEVICE
```

Cause

An I/O error was encountered while activating a virtual device session.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPD77E

```
EMC SNAP API - I/O ERROR QUERYING TARGET DEVICE
```

Cause

An I/O error was encountered while querying the target device.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the

problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPD78E

EMC SNAP API - I/O ERROR REMOVING SNAP SESSION

Cause

An I/O error was encountered while removing the snap session.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPD79E

EMC SNAP API - I/O ERROR OBTAINING SNAP STATUS INFORMATION

Cause

An I/O error was encountered while obtaining some snap status information.

Action

Review the job log and SYSLOG for errors. Search the EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

ESNPD80I

INVOKING DATAMOVER PROGRAM *program*

Cause

The requested datamover program is being used to perform a logical dataset copy operation.

Action

None.

ESNPD81I

FOR DATASET: *dsname*

Cause

A datamover is being used to logically allocate and copy this dataset.

Action

None.

ESNPD82I

AND DATASET: *dsname*

Cause

A datamover is being used to logically copy additional sphere pieces of the identified dataset.

Action

None.

ESNPD89S

```
PARALLEL TASK FOR THIS REQUEST ABNORMALLY TERMINATED
```

Cause

Subtask terminated. See the console log for details

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

ESNPD90E

```
DATA MOVER UTILITY xxxxxxxx ENDED WITH RC: nnnn
```

Cause

The identified data mover utility ended with a non-zero return code.

Action

Review the data mover output (if available). If any correctable problems are identified, correct the problem and try again. If the problem persists, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPE00E

```
ERROR RETURNED FROM DEVICESTATUS API FOR VOLUME volser, (S/N symm-serial/symdv#)  
RC: xxxxxxxx EMCRC: xxxxxxxx EMCRS: xxxxxxxx EMCRCX: rcx
```

Cause

An error was returned from the device status API.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPE10E

```
EMC SNAP API - I/O ERROR REMOVING VIRTUAL DEVICE SESSION
```

Cause

An I/O error was encountered while removing a virtual device session.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPE11E

```
EMC SNAP API - VIRTUAL DEVICE DO NOT ALLOW SNAP REQUESTS
```

Cause

A snap request was issued against a virtual device. Virtual devices do not support snap requests.

Action

Use another device.

ESNPE12E

EMC SNAP API - VIRTUAL DEVICE MUST BE THE TARGET

Cause

A virtual device was specified as a source device. This is not allowed.

Action

Use another device.

ESNPE13E

EMC SNAP API - I/O ERROR QUERYING TARGET VIRTUAL DEVICE

Cause

An I/O error was encountered while querying a virtual device.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPE14E

EMC SNAP API - SOURCE DEVICE UNDER VM MUST BE A DEDICATED DEVICE

Cause

The source device must be a dedicated VM device when running under VM. VM does not support the syscall interface.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPE15E

EMC SNAP API - TARGET DEVICE UNDER VM MUST BE A DEDICATED DEVICE

Cause

The target device must be a dedicated VM device when running under VM. VM does not support the syscall interface.

The *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information about VM.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPE16E

EMC SNAP API - INTERNAL TRACK COPY FAILED

Cause

The internal track copy routine (COPYCYL or COPYTRK) failed with an error.

Action

Review the related EQCA messages for further information.

ESNPE17E

EMC SNAP API - INTERNAL TRACK RESOLVE FAILED

Cause

The internal track resolve routine failed with an error.

Action

Review the related EQCA messages for further information.

ESNPE18E

EMC SNAP API - TARGET IS A READ-ONLY DEVICE

Cause

The target device is a read-only device. It may not be changed.

Action

Use another device.

ESNPE19E

EMC SNAP API - SOURCE IS A READ-ONLY DEVICE, 5X69 MICROCODE IS REQUIRED

Cause

The source device is a read-only device. To snap from this device, Enginuity 5x69 or a later level of the operating environment is required.

Action

Use another device, or contact Dell EMC Customer Support to upgrade the operating environment.

ESNPE20E

SOURCE AND TARGET VOLUME MUST RESIDE WITHIN THE SAME CONTROL UNIT

Cause

The source and target volume must reside within the same storage system.

Action

Ensure that both the source and target volumes reside in the same storage system.

ESNPE24E

UNABLE TO DETERMINE TARGET VOLUME

Cause

A STOP SNAP TO VOLUME command does not specify a target volume, or the volser specified is not online.

Action

Correct the action to include the TARGET parameter, or make sure that the volume specified is online

ESNPE30E

```
ERROR ENCOUNTERED BY IBM FLASHCOPY - RC: xxxxxxxx RTNCODE:
xxxxxxx RSNCODE: xxxxxxxx
```

Cause

An error was encountered by IBM FLASHCOPY. The reason code (RSNCODE) and return code (RTNCODE) displayed are IBM ANTRQST codes.

Action

Consult the ANTRQST reason and return codes chapter in the IBM manual, MVS System Messages for more information about these codes. Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPE31I

```
ANTP0 text
```

Cause

This message follows message ESNPE30E and lists the ANTP0 message text provided by the IBM FlashCopy interface.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

ESNPE40E

```
ERROR ENCOUNTERED BY IBM FLASHCOPY - RC: xxxxxxxx RTNCODE:
xxxxxxx RSNCODE: xxxxxxxx
```

Cause

An error was encountered by IBM FLASHCOPY. The reason code (RSNCODE) and return code (RTNCODE) displayed are IBM ANTRQST codes.

Action

Consult the ANTRQST reason and return codes chapter in the IBM manual, MVS System Messages for more information about these codes. Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

ESNPE41I

```
ANTP0 text
```

Cause

This message follows message ESNPE40E and lists the ANTP0 message text provided by the IBM FlashCopy interface.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPE50E

```
INTERNAL EXTENT TABLE SIZE EXCEEDED
```

Cause

Too many extents are being referenced with a single command.

Action

Break up the single command into multiple commands.

ESNPE51E

```
INTERNAL SORT FAILED WITH CODE xxxxxxxx
```

Cause

The internal sort has failed with the indicated code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPE52W

```
AN R2 DEVICE IS NOT READY, R1R2SYNC IGNORED
```

Cause

The WAITFORCOMPLETION(R1R2SYNC) parameter was specified, and the target device is an R1 device, but the R2 device is not ready.

Action

Ready the R2 device and wait for synchronization to complete. The snap to the R1 device was successful.

ESNPE60E

```
EMC SNAP API - I/O ERROR CHECKING INVALID TRACK MASK
```

Cause

An I/O error occurred while checking the invalid track mask during processing of the WAITFORCOMPLETION(R1R2SYNC) parameter.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPE61E

```
EMC SNAP API - READ EXTENT TRACK WITHOUT HOLDING DEVICE LOCK
```

Cause

An internal logic error was detected. A locked request to read the extent track was made without holding the device lock.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPE62E

EMC SNAP API - RESTORE NOT VALID WITH THESE DEVICES

Cause

An internal logic error was detected. A restore operation is not appropriate for the devices specified.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPE63E

EMC SNAP API - I/O ERROR RESTORING VIRTUAL DEVICE

Cause

An I/O error occurred while attempting to restore a virtual device.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPE64E

EMC SNAP API - I/O ERROR QUERYING SOURCE DEVICE

Cause

An I/O error occurred while querying a source device.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPE65E

EMC SNAP API - I/O ERROR QUERYING TARGET RESTORE DEVICE

Cause

An I/O error occurred while querying a target restore device.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPE66E

EMC SNAP API - I/O ERROR REMOVING VIRTUAL DEVICE SESSION

Cause

An I/O error occurred while removing a virtual device session

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPE67E

EMC SNAP API - I/O ERROR OBTAINING SNAP STATUS INFORMATION

Cause

An I/O error occurred while obtaining snap status information.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPE68E

EMC SNAP API - I/O ERROR WITH BCVQUERY

Cause

BCVQUERY returned with an error code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPE69E

EMC SNAP API - I/O ERROR RESTORING VIRTUAL DEVICE

Cause

An I/O error occurred while restoring a virtual device to a BCV device.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPE70E

SCFGROUP NAME (*gnsgrp*) INVALID

Cause

The SCFGROUP name was specified on the request, and the group name is not registered to SCF.

Action

Correct the group name and try again.

ESNPE71E

```
SCFGROUP SUPPORT IS NOT ACTIVE
```

Cause

The SCFGROUP name was specified, but SCFGROUP support is not active in the Dell EMC address space.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPE72E

```
ERROR ENCOUNTERED VALIDATING SCFGROUP NAME (gnsgrp), RC:
XXXXXXXX RS: XXXXXXXX
```

Cause

An error was encountered while validating the SCFGROUP name specified.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPE73E

```
BUFFER SIZE PROBLEM VALIDATING SCFGROUP
```

Cause

An error was encountered while validating the SCFGROUP name specified. The supplied buffer area was not large enough.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPE80E

```
SCFGROUP NAME (gnsgrp) INVALID
```

Cause

The SCFGROUP name was specified on the request, and the group name is not registered to SCF.

Action

Correct the group name and try again.

ESNPE81E

```
SCFGROUP SUPPORT IS NOT ACTIVE
```

Cause

The SCFGROUP name was specified, but SCFGROUP support is not active in the Dell EMC address space.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPE82E

```
ERROR ENCOUNTERED VALIDATING SCFGROUP NAME (gnsgrp), RC:  
xxxxxxxx RS: xxxxxxxx
```

Cause

An error was encountered while validating the SCFGROUP name specified.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPE83E

```
BUFFER SIZE PROBLEM VALIDATING SCFGROUP
```

Cause

An error was encountered while validating the SCFGROUP name specified. The supplied buffer area was not large enough.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPE90I

```
PROCESSING FOR STATEMENT stmt# BEGINNING, RESTORE FROM  
VOLUME volser TO VOLUME volser
```

Cause

A restore operation is beginning to be processed.

Action

None.

ESNPE91I

```
PROCESSING BYPASSED DUE TO TYPRUN=NORUN OPTION
```

Cause

TYPRUN=NORUN was specified and all action processing will be bypassed.

Action

Verify that the processing will produce the desired results and run again without TYPRUN=NORUN.

ESNPE94I

```
PROCESSING FOR STATEMENT stmt# COMPLETED, HIGHEST RETURN CODE  
ENCOUNTERED IS rc
```

Cause

A restore operation has completed.

Action

None.

ESNPE95W

```
UNABLE TO BRING VOLUME ONLINE, ANOTHER VOLUME IS ALREADY ONLINE  
WITH THAT LABEL
```

Cause

The RESTORE target volume label matches the label for another volume that is currently online.

Action

The new volume will be left offline.

ESNPE96E

```
UNABLE TO RESTORE - SOURCE VIRTUAL DEVICE IS NOT ACTIVE (IN  
SESSION)
```

Cause

The source (virtual device) is not active. Only active virtual devices can be restored.

Action

Correct the action to specify an active virtual device.

ESNPE97E

```
PERSISTENT RESTORE IS REQUIRED FOR MICROCODE LEVELS 5X72 AND  
HIGHER
```

Cause

A RESTORE operation has been attempted with PERSISTENT(NO) specified or defaulted. The target device is running Engenuity 5772 or a later level of the operating environment. PERSISTENT(YES) is required in this situation.

Action

Rerun the command, specifying PERSISTENT(YES).

ESNPE98E

```
POOL(poolname) IS NOT A SNAPPPOOL POOL.
```

Cause

The *poolname* was specified for a RESTORE VDEV operation. The *poolname* was valid, but was not a snap device (TYPE(SNAPPPOOL)) pool.

Action

POOL should not be used with RESTORE VDEV. Remove the POOL parameter and try again.

ESNPF00I

API RESTORE VOLUME REQUEST PROCESSED

Cause

A RESTORE VOLUME command was encountered by the API interface.

Action

None.

ESNPF10I

RESTORE VIRTUAL DEVICE COMPLETED

Cause

The RESTORE VOLUME request has completed.

Action

None.

ESNPF20I

API ACTIVATE REQUEST PROCESSED

Cause

An ACTIVATE command was encountered by the API interface.

Action

None.

ESNPF30E

THERE ARE NO PRIOR SNAP STATEMENTS TO BE ACTIVATED

Cause

An ACTIVATE command found no TimeFinder commands to be activated.

Action

The ACTIVATE command must follow the TimeFinder commands that it effects.

ESNPF31E

CONSISTENT SNAP DATASET IS NOT SUPPORTED

Cause

An ACTIVATE command with CONSISTENT(YES) was encountered following some SNAP DATASET commands.

Action

Remove the CONSISTENT(YES) parameter from the ACTIVATE.

ESNPF33E

SITE LICENSE DISALLOWS CONSISTENT SNAP

Cause

CONSISTENT parameter was specified on the ACTIVATE command. The site LFC does not allow for TimeFinder/Consistency Group consistent snap operations.

Action

Add the CONSISTENT license to SCF. Contact your local Dell EMC sales representative to obtain the LFC.

The *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information about the CONSISTENT license.

ESNPF34E

PRESNAP(NO) AND POSTSNAP(NO) NOT ALLOWED EXCEPT DURING GROUP PROCESSING

Cause

PRESNAP(NO) and POSTSNAP(NO) was specified on a ACTIVATE request. The PRESNAP and POSTSNAP parameters are only valid when used with GROUP processing.

Action

Either remove the PRESNAP and POSTSNAP parameters, or change to using GROUP processing.

ESNPF35E

PRESNAP(NO) AND POSTSNAP(YES) NOT ALLOWED EXCEPT DURING GROUP PROCESSING

Cause

PRESNAP(NO) and POSTSNAP(YES) was specified on a ACTIVATE request. The PRESNAP and POSTSNAP parameters are only valid when used with GROUP processing.

Action

Either remove the PRESNAP and POSTSNAP parameters, or change to using GROUP processing.

ESNPF36E

PRESNAP(YES) AND POSTSNAP(NO) NOT ALLOWED EXCEPT DURING GROUP PROCESSING

Cause

PRESNAP(YES) and POSTSNAP(NO) was specified on a ACTIVATE request. The PRESNAP and POSTSNAP parameters are only valid when used with GROUP processing.

Action

Either remove the PRESNAP and POSTSNAP parameters, or change to using GROUP processing.

ESNPF37I

PARALLEL_CLONE(YES) DETECTED, CONSISTENT(YES) ASSUMED.

Cause

PARALLEL_CLONE(YES) requires CONSISTENT(YES) parameter.

Action

None.

ESNPF38E

SECURE(YES) DETECTED, EXPIRATION PARAMETER SHOULD BE NON-ZERO

Cause

ACTIVATE was issued with the SECure(YES) parameter, but the EXPIRATION parameter value was not specified or equaled to zero.

Action

Set the EXPIRATION parameter to a non-zero value.

ESNPF39E

```
SECURE(YES) DETECTED, IT SHOULDN'T BE USED AGAINST SNAP VOLUME OR  
SNAP DATASET
```

Cause

ACTIVATE was issued to a group of statements that included SNAP DATASET and SNAP VOLUME commands that are not compatible with SECure(YES) parameter.

Action

Use a distinct ACTIVATE statement with SECure(NO) for SNAP VOLUME and SNAP DATASET.

ESNPF40E

```
EMC SNAP API - I/O ERROR REMOVING DEVICE EXTENT
```

Cause

An I/O error occurred while removing a device extent for differential snap.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPF41E

```
EMC SNAP API - I/O ERROR ACTIVATING FULL DEVICE SNAP
```

Cause

An I/O error occurred while activating a full device snap.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPF42E

```
EMC SNAP API - I/O ERROR DEACTIVATING VIRTUAL DEVICE
```

Cause

An I/O error occurred while deactivating a virtual device.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPF43E

```
EMC SNAP API - I/O ERROR ENABLING VIRTUAL LOG I/O
```

Cause

An I/O error occurred while enabling virtual log I/O.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPF44E

EMC SNAP API - ERROR ENABLING ENGINUITY CONSISTENT ASSIST

Cause

An error occurred when enabling Enginuity Consistent Assist (ECA).

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPF45E

EMC SNAP API - ERROR DISABLING ENGINUITY CONSISTENT ASSIST

Cause

An error occurred when disabling Enginuity Consistent Assist (ECA).

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPF46E

EMC SNAP API - ERROR QUERYING EMC FASTMIRROR WRITE LOCK

Cause

An I/O error occurred while querying the Dell EMC FASTMIRROR WRITE LOCK.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPF47E

EMC SNAP API - DEVICE IN USE BY ANOTHER PROCESS

Cause

One of the devices (source or target) is protected by another Dell EMC process. An Enginuity snap is not supported until the other process has completed. Dell EMC Fast Mirror and Dell EMC Compatible Flash are possibilities.

Action

Correct the action to use different devices. Devices protected by the Dell EMC FASTMIRROR WRITE feature may not be used with TimeFinder.

ESNPF48E

EMC SNAP API - ERROR QUERYING SNAPPOL INFORMATION

Cause

An I/O error occurred while querying SNAPPOOL information.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPF49E

```
EMC SNAP API - UNABLE TO RESTORE, OTHER SESSIONS EXIST AT THE
SOURCE DEVICE
```

Cause

A restore operation failed because the target device has existing sessions.

Action

All sessions must be terminated prior to the restore operation.

ESNPF50I

```
PROCESSING FOR STATEMENT stmt# BEGINNING, ACTIVATE SNAP
```

Cause

An ACTIVATE operation is beginning to be processed.

Action

None.

ESNPF51I

```
PROCESSING FOR STATEMENT stmt# COMPLETED, HIGHEST RETURN CODE
ENCOUNTERED IS rc
```

Cause

An ACTIVATE operation has completed.

Action

None.

ESNPF52I

```
ACTIVATE PROCESSING FOR STATEMENT stmt# BYPASS DUE TO TYPRUN=NORUN
OPTION
```

Cause

TYPRUN=NORUN was specified and all action processing will be bypassed.

Action

Verify that the processing will produce the desired results and run again without TYPRUN=NORUN.

ESNPF53W

```
CONSISTENT COPY ATTEMPTED, BUT A DATAMOVER WAS USED, COPY NOT
CONSISTENT
```

Cause

An ACTIVATE command with CONSISTENT(YES) was specified, but a data mover was required. Data mover operations are not consistent.

Action

Be aware that data mover operations are not consistent.

ESNPF54I

```
PROCESSING BYPASSED DUE TO PREPARE_FOR_SNAP(YES) OPTION
```

Cause

PREPARE_FOR_SNAP(YES) is specified and all action processing is bypassed.

Action

Run again without PREPARE_FOR_SNAP(YES) for processing to occur.

ESNPF60E

```
ERROR RETURNED FROM SYMDEVICE API FOR VOLUME volser, (S/N symm-serial/symdv#), RC: rc EMCRC: emcrc EMCRS: rs EMCRCX: rcx
```

Cause

An error was detected when requesting SYMDEVICE API information.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPF61E

```
SYMDEVICE REPORTS THAT THE REMOTE LINK IS NOT AVAILABLE FOR  
VOLUME volser S/N symm-serial/symdv#,  
RC: rc EMCRC: emcrc EMCRS: rs EMCRCX: rcx
```

Cause

SYMDEVICE request returned with an error indicating that the SRDF group link is not available.

Action

Either determine if the SRDF group is valid, or determine if the SRDF group is active (if there are multiple links involved, all must be active).

ESNPF62E

```
REQUESTED SYMDV# (symdv#) EXCEEDS HIGHEST DEFINED DEVICE (symdv#)
```

Cause

An internal request to retrieve device information for a device failed because the device number exceeded the highest device number configured in the storage system.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPF63E

```
SYMDEVICE REPORTS THAT THE REMOTE CONTROLLER DOES NOT SUPPORT  
REMOTE SNAP
```

Cause

An attempt has been made to perform a remote snap using a storage system that does not support remote snap.

Action

The remote storage system must be running 5x71 (or later) level of the operating environment.

ESNPF64E

```
INVALID DEVICE NUMBER DETECTED, FFFF IS NOT ALLOWED
```

Cause

An invalid device number was detected. The value x'FFFF' or x'FFFFFFFF' is not allowed.

Action

If you specified a device number of x'FFFF' or x'FFFFFFFF', correct your device number and try again. Otherwise, rerun with GLOBAL DEBUG(EXTRA) and submit the output to Dell EMC Customer Support.

ESNPF65E

```
DEVICE LINK IS IN TRANSMIT IDLE STATE, MUST BE CHANGED TO INACTIVE  
- volser S/N symm-serial/symdv#
```

Cause

An error was detected when attempting to retrieve information about a remote device. It was found that the link to the device is in TRANSMIT IDLE state.

Action

The link status must be changed to ACTIVE or INACTIVE and then the request may be resubmitted. While the link is in TRANSMIT IDLE state, the remote side is considered to be out of sync and will not produce a consistent copy.

ESNPF70E

```
ERROR RETURNED FROM CONFIGRDFGRP API FOR VOLUME volser (S/N symm-  
serial/symdv#), RC: rc EMCRC: emcrc EMCRS: rs EMCRCX: rcx
```

Cause

An error was detected when requesting CONFIGRDFGRP API information.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPF80E

```
ERROR FROM @EMCDLOK CHECKING LOCK 15. VOLUME: volser (S/N symm-  
serial/symdv#) RC: rc, R0: r0, R1: r1
```

Cause

An error was detected when checking the lock 15 status.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPF82E

LOCKS ARE ALREADY SET ON ONE OR MORE OF THE REQUESTED DEVICES

Cause

A CONFIG command has been issued against a target device which is already held.

Action

Release the hold on the target device.

ESNPF83E

LOCKS ARE ALREADY SET BY AN EXTERNAL PROGRAM

Cause

A CONFIG command has been issued against a target device which is held by another program.

Action

Release the hold by another program on the target device.

ESNPF90I

API QUERY DATASET REQUEST PROCESSED

Cause

A QUERY DATASET command was encountered by the API interface.

Action

None.

ESNPG00I

API QUERY SNAPPPOOL REQUEST PROCESSED

Cause

A QUERY SNAPPPOOL command was encountered by the API interface.

Action

None.

ESNPG10E

SOURCE (DSNAME) AND INDDNAME (DDNAME) ARE MUTUALLY EXCLUSIVE

Cause

A QUERY DATASET command was encountered with both SOURCE and INDDNAME specified.

Action

Remove one of the conflicting parameters and run the request again.

ESNPG20I

PROCESSING FOR STATEMENT *stmt#* BEGINNING, QUERY DATASET REQUEST

Cause

A QUERY DATASET operation is beginning to be processed.

Action

None.

ESNPG21I

PROCESSING FOR STATEMENT *stmt#* COMPLETED, HIGHEST RETURN CODE ENCOUNTERED IS *rc*

Cause

A QUERY DATASET operation has completed.

Action

None.

ESNPG22I

SOURCE MASK: *dsname*

Cause

QUERY DATASET source dataset mask.

Action

None.

ESNPG24I

EXCLUDE MASK: *dsname*

Cause

Identifies the QUERY DATASET exclude dataset mask.

Action

None.

ESNPG25I

SOURCE DDNAME: *dsname*

Cause

Identifies the QUERY DATASET ddname.

Action

None.

ESNPG26I

DATASET: *dsname*

Cause

Identifies the specific QUERY DATASET being processed.

Action

None.

ESNPG30E

INTERNAL EXTENT TABLE SIZE EXCEEDED

Cause

Too many extents are being queried with a single command.

Action

Break up the single command into multiple commands.

ESNPG31E

```
INTERNAL SORT FAILED WITH CODE nnn
```

Cause

The internal sort has failed with the indicated code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPG40I

```
PROCESSING FOR STATEMENT stmt# BEGINNING, QUERY SNAPPPOOL REQUEST  
FOR CONTROLLER S/N symm-serial
```

Cause

A QUERY SNAPPPOOL operation is beginning to be processed.

Action

None.

ESNPG41I

```
PROCESSING FOR STATEMENT stmt# COMPLETED, HIGHEST RETURN CODE  
ENCOUNTERED IS rc
```

Cause

A QUERY SNAPPPOOL operation has completed.

Action

None.

ESNPG42I

```
NO ELIGIBLE CONTROLLERS FOUND
```

Cause

None of the storage systems matched are capable of having SNAPPPOOL devices.

Action

Specify a storage system that may have SNAPPPOOL devices.

ESNPG43I

```
CONTROLLER symm-serial DOES NOT SUPPORT SNAPPPOOL DEVICES
```

Cause

The storage system specified does not support SNAPPPOOL devices.

Action

Specify a storage system that can support SNAPPPOOL devices.

ESNPG50I

```
API QUERY VDEV REQUEST PROCESSED
```

Cause

A QUERY VDEV command was encountered by the API interface.

Action

None.

ESNPG61E

EMC SNAP API - UNABLE TO ESTABLISH, RESTORE SESSION EXISTS AT THE SOURCE DEVICE

Cause

An attempt to create a new snap or virtual device failed. New sessions cannot be created while a restore sessions exists.

Action

Cleanup and remove the restore session and try again.

ESNPG62E

EMC SNAP API - UNABLE TO SNAP FBA META DEVICES

Cause

FBA meta devices cannot be used with TimeFinder.

Action

None.

ESNPG63E

EMC SNAP API - REQUEST FAILED, ACTIVE RESTORE SESSION HAS NOT COMPLETED

Cause

An attempt to remove a restore session failed. The RESTORE has not completed.

Action

Try again after the restore has completed, or use the FORCE(YES) parameter to abort the restore operation.

ESNPG64E

EMC SNAP API - REQUEST FAILED, COVD DEVICE NOT SUPPORTED

Cause

COVD2devices may not be used as a snap device.

Action

Try the operation again, selecting another device that is not a COVD device.

ESNPG65E

EMC SNAP API - I/O ERROR CREATING PERSISTENT RESTORE SESSION

Cause

An I/O error was encountered while creating the persistent restore session.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPG66E

EMC SNAP API - I/O ERROR PERSISTENT RESTORE

Cause

An I/O error was encountered while performing the persistent restore operation.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPG67E

EMC SNAP API - I/O ERROR QUERYING SOURCE RESTORE DEVICE

Cause

An I/O error was encountered while querying the device that was to have a restore operation performed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

ESNPG68E

EMC SNAP API - UNABLE TO STOP VDEV, A PERSISTENT RESTORE IS IN PROGRESS USING THE STANDARD DEVICE

Cause

STOP SNAP TO VOLUME specifying a virtual device (VDEV) request failed because a persistent restore is in progress.

Action

Wait until the persistent restore operation has completed and try the operation again.

ESNPG69E

EMC SNAP API I/O ERROR PERSISTENT RESTORE TO BCV

Cause

An I/O error was encountered while performing a persistent restore to a split BCV device.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

ESNPG70I

PROCESSING FOR STATEMENT *stmt#* BEGINNING, QUERY VDEV REQUEST FOR CONTROLLER S/N *symm-serial*

Cause

A QUERY SNAPPPOOL operation is beginning to be processed.

Action

None.

ESNPG71I

```
PROCESSING FOR STATEMENT stmt# COMPLETED, HIGHEST RETURN CODE  
ENCOUNTERED IS rc
```

Cause

A QUERY VDEV operation has completed.

Action

None.

ESNPG72I

```
NO ELIGIBLE CONTROLLERS FOUND
```

Cause

None of the storage systems matched are capable of having VDEV devices.

Action

Specify a storage system that may have VDEV devices.

ESNPG73I

```
CONTROLLER symm-serial DOES NOT SUPPORT VIRTUAL DEVICES
```

Cause

The storage system specified does not support VDEV devices.

Action

Specify a storage system that may have VDEV devices.

ESNPG80E

```
ERROR RETURNED FROM DEVICESTATUS API,  
RC: rc EMCRC: emcrc EMCRS: rs EMCRCX: rcx
```

Cause

An error was detected when requesting DEVICESTATUS API information.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPG81I

```
DEVICE CCUU: ccuu
```

Cause

This message identifies the storage system for message ESNPG80E.

Action

See message ESNPG80E.

ESNPG90E

READ FOR TARGET DATASET DSCB FAILED, CVAFDIR RC: *rc*

Cause

An error was encountered when reading the target dataset DSCB.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPG91E

WRITE FOR TARGET DATASET DSCB FAILED, CVAFDIR RC: *rc*

Cause

An error was encountered when writing the target dataset DSCB.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPG92I

TARGET DATASET NAME: *dsname* VOLSER: *volser*

Cause

This message identifies the dataset being processed when a problem was encountered. This message immediately follows messages ESNPG90E or ESNPG91E.

Action

See messages ESNPG90E or ESNPG91E immediately preceding this message.

ESNPH00I

SOURCE DSN: *dsname* TARGET DSN: *dsname*

Cause

PREPARE_FOR_SNAP(YES) is processing these datasets.

Action

None.

ESNPH01I

SOURCE VOLUME: *volser* TARGET VOLUME: *volser*

Cause

This message shows the source and target volumes being checked by PREPARE_FOR_SNAP.

Action

None.

ESNPH10E

EMPTY EXTENTS FOUND FOR DATASET *dsname*

Cause

An empty extent was encountered for the identified dataset.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPH20E

```
EMPTY EXTENTS FOUND FOR FILE xxx
```

Cause

An empty extent was encountered for the identified file.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPH30I

```
{SOURCE|TARGET} DEVICE: ccuu VOLSER: volser CONTROLLER S/N: symm-serial SSID: ssid SYMDV#: symdv#
```

Cause

This message appears in the log after a failure to copy tracks has occurred. This message identifies the source and (or) target device(s) involved in the request.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPH39S

```
EMC SNAP API - ABEND OCCURRED
```

Cause

An abend was detected in the TimeFinder Clone/Snap API.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPH40E

```
CONTROLLER S/N symm-serial DOES NOT SUPPORT VIRTUAL DEVICES
```

Cause

A VDEV request identifies a storage system that does not support virtual devices.

Action

Correct the request to identify a storage system that supports virtual devices.

ESNPH41E

```
CONTROLLER S/N symm-serial NOT FOUND REGISTERED TO SCF
```

Cause

A VDEV request identifies a storage system is not registered to SCF.

Action

Either correct the request to specify a storage system that is known by SCF, or issue an F xxx,DEV,REFRESH command to SCF to invoke SCF discovery.

ESNPH42E

```
CONTROLLER S/N symm-serial DOES NOT HAVE ANY FREE ELIGIBLE VIRTUAL
DEVICES AVAILABLE
```

Cause

VDEV(FREE) was specified and no free virtual devices are available.

Action

Any of the following:

- Wait until a virtual device is available.
- Issue STOP SNAP TO VOLUME to a virtual device that is no longer needed.
- Manually specify a virtual device that can be reused.

ESNPH50I

```
CONTROLLER S/N symm-serial HAS count SNAPPOL DEVICES
```

Cause

This is a summary message for QUERY SNAPPOL identifying how many snap pool devices were found in the storage system.

Action

None.

ESNPH51I

```
SNAPPOL: xxx TYPE: {FBA|CKD} HAS count USED TRACKS
AND count FREE TRACKS - POOL: poolname
```

Cause

One line is listed for each snap device pool found in the storage system. The device type (FBA or CKD) is identified along with the number of assigned (used) and available (free) tracks.

Action

None.

ESNPH52I

```
** TOTAL OF count USED TRACKS AND count FREE TRACKS
FOR xxx SNAPPOL **, prc% USED
```

Cause

This is a summary message for QUERY SNAPPOL identifying the total number of assigned (used) and available (free) tracks.

Action

None.

ESNPH53I

```
POOL poolname CONTAINS count DEVICES
```

Cause

A POOL name was specified on the QUERY SNAPPOOL request and this reports the number of snap pool devices in the indicated pool.

Action

None.

ESNPH54I

```
POOL(poolname) IGNORED, SYMMETRIX DOES NOT SUPPORT POOLS
```

Cause

A POOL name was specified on the QUERY SNAPPOOL request and the targeted storage system does not support snap device pools.

Action

Perform any of the following actions:

- None, all snap pool devices in the storage system will be reported.
- Remove the POOL parameter from the QUERY SNAPPOOL request and run again to have all snap pool devices in the storage system reported.
- Upgrade the operating environment in the storage system to support snap device pools.
- Change the request to report on a storage system that does support the snap device pools.

ESNPH55I

```
DISPLAY LIMITED TO DEVICES IN POOL: poolname
```

Cause

The POOL parameter was specified on the QUERY SNAPPOOL request and the output will be limited to the single pool.

Action

None.

ESNPH56E

```
POOL(poolname) NOT FOUND IN CONTROLLER
```

Cause

A POOL name was specified on the QUERY SNAPPOOL request and the targeted storage system does not have a pool defined with that name.

Action

Use CONFIGPOOL DISPLAY to list the pools in the storage system and then correct the POOL name to reflect a valid pool.

ESNPH57I

```
CONTROLLER NAME: symmname
```

Cause

If a storage system name is associated with a storage system, this line will list the storage system name.

Action

None.

ESNPH60I

```
CONTROLLER S/N symm-serial HAS count VDEV DEVICES, count CKD  
AND count FBA
```

Cause

This is a summary message for QUERY VDEV identifying how many virtual device were found in the storage system.

Action

None.

ESNPH61I

```
VDEV: symdv# CCUU: ccuu TYPE: {CKD|FBA} HAS count CYLS DEFINED
```

Cause

One line is listed for each VDEV found in the storage system. The host CCUU address, if identified along with the device type (FBA or CKD) and the number of cylinders for the device.

Action

None.

ESNPH62I

```
SESSION: xxx WITH DEVICE: symdv# (CCUU: ccuu) AND count TRACKS IN  
SNAPPOOL
```

Cause

If a virtual device is attached (active in session) with another device, that device will be identified along with the number of tracks that this virtual device is using from the snap pool devices.

Action

None.

ESNPH63I

```
CONTROLLER NAME: symmname
```

Cause

If a storage system name is associated with a storage system, this line will list the storage system name.

Action

None.

ESNPH70E

```
INSUFFICIENT AUTHORITY TO USE THE ADMINISTRATOR KEYWORD
```

Cause

ADMINISTRATOR(YES) was specified. RACF authority to use the ADMINISTRATOR keyword was not validated.

Action

Remove the ADMINISTRATOR(YES) parameter.

ESNPH80I

```
API CONFIG REQUEST PROCESSED
```

Cause

A CONFIG command was encountered by the API interface.

Action

None.

ESNPH90I

```
PROCESSING FOR STATEMENT stmt# BEGINNING, CONFIG VOLUME volser
```

Cause

A CONFIG operation is beginning to be processed.

Action

None.

ESNPH91I

```
PROCESSING FOR STATEMENT stmt# COMPLETED, HIGHEST RETURN CODE  
ENCOUNTERED IS rc
```

Cause

A CONFIG operation has completed.

Action

None.

ESNPH92I

```
PROCESSING BYPASSED DUE TO TYPRUN=NORUN OPTION
```

Cause

TYPRUN=NORUN was specified and all action processing will be bypassed.

Action

Verify that the processing will produce the desired results and run again without TYPRUN=NORUN.

ESNPH93I

```
PROCESSING BYPASSED DUE TO PREPARE_FOR_SNAP(YES) OPTION
```

Cause

PREPARE_FOR_SNAP(YES) is specified and all action processing will be bypassed.

Action

Run again without PREPARE_FOR_SNAP(YES) for processing to occur.

ESNPH94W

```
RELEASE(YES/NO) NOT VALID FOR VIRTUAL DEVICE
```

Cause

RELEASE(YES) or RELEASE(NO) was specified for a virtual device.

Action

Remove the RELEASE parameter from the CONFIG request for a virtual device.

ESNPH95E

RELEASE (YES/NO) ONLY VALID FOR EMC DEVICES

Cause

RELEASE(YES) or RELEASE(NO) was specified for a non-Dell EMC device.

Action

REMOVE the RELEASE parameter from the CONFIG request for a non-Dell EMC device.

ESNPH96E

READY (YES/NO) ONLY VALID FOR EMC DEVICES

Cause

READY(YES) or READY(NO) was specified for a non-Dell EMC device.

Action

REMOVE the READY parameter from the CONFIG request for a non-Dell EMC device.

ESNPH97E

MODE (COPY/NOCOPY/NOCOPYRD) ONLY VALID FOR EMC DEVICES

Cause

A request to change the copy mode is not valid unless the device is a Dell EMC device.

Action

Try the operation again, specifying the correct Dell EMC device.

ESNPH98W

MODE (COPY/NOCOPY/NOCOPYRD) NOT VALID FOR VIRTUAL DEVICES

Cause

A request to change the copy mode is not valid for virtual devices.

Action

Try the operation again, specifying the correct Dell EMC device.

ESNPH99E

ALLOW_FLASHCOPY (YES/NO) ONLY VALID FOR EMC DEVICES

Cause

ALLOW_FLASHCOPY(YES) or ALLOW_FLASHCOPY(NO) was specified. This is only valid if used with Dell EMC standard devices.

Action

Remove the ALLOW_FLASHCOPY parameter from the CONFIG statement.

ESNPI00I

ESNPI00I DEVICE HOLD SUCCESSFULLY SET

Cause

RELEASE(NO) was requested and successfully processed.

Action

None.

ESNPI01I

```
DEVICE HOLD IS ALREADY SET
```

Cause

RELEASE(NO) was requested and already found set.

Action

None.

ESNPI02W

```
DEVICE HAS SESSIONS, HOLD ALREADY SET
```

Cause

RELEASE(NO) was requested but the device still has active sessions and is held.

Action

None.

ESNPI03E

```
ERROR ATTEMPTING TO HOLD DEVICE, RC: xxx R0: xxxxxxxx R1: xxxxxxxx
```

Cause

An API request was made to change the HOLD status and it failed with the indicated error code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPI04E

```
DESTINATION DEVICE IS NOT READY
```

Cause

A RELEASE(NO) has been issued against a device that is not ready.

Action

Make the device ready and rerun the request.

ESNPI10I

```
DEVICE HOLD SUCCESSFULLY RESET
```

Cause

RELEASE(YES) was requested and successfully processed.

Action

None.

ESNPI11I

```
DEVICE HOLD IS ALREADY RESET
```

Cause

RELEASE(YES) was requested and already found released.

Action

None.

ESNPI12W

```
DEVICE HAS SESSIONS, HOLD CANNOT BE RESET
```

Cause

RELEASE(YES) was requested but the device still has active sessions and is held.

Action

Try the operation again after all of the sessions are gone.

ESNPI13E

```
ERROR ATTEMPTING TO RESET HOLD ON DEVICE, RC: xxx R0: xxxxxxxxx R1:
xxxxxxx
```

Cause

An API request was made to change the HOLD status and it failed with the indicated error code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

ESNPI14E

```
DESTINATION DEVICE IS NOT READY
```

Cause

A CONFIG(RELEASE) has been issued against a device that is not ready.

Action

Make the device ready and rerun the request.

ESNPI20E

```
UNABLE TO LOCATE A GATEKEEPER DEVICE FOR VIRTUAL DEVICE REQUEST
```

Cause

Unable to locate a gatekeeper device for a virtual device request.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

ESNPI21E

```
CONFIG SECURE(NO) NOT ALLOWED
```

Cause

A CONFIG command was issued with the SECURE option set to NO, which is not allowed. The CONFIG command allows setting SECURE(YES) only.

Action

Change to CONFIG SECURE(YES) or use a command where SECURE(NO) is allowed. See

the command syntax information in the *TimeFinder SnapVX and zDP Product Guide*.

ESNPI30I

```
DEVICE SUCCESSFULLY MADE READY
```

Cause

READY(YES) was requested and successfully processed.

Action

None.

ESNPI31I

```
DEVICE IS ALREADY READY, OR THE DEVICE IS AN ESTABLISHED BCV
```

Cause

READY(YES) was requested and (a) already found ready or (b) is found to be an established BCV.

Action

For situation (a), no action is required. For situation (b), the device must be split before it can be made ready.

ESNPI32E

```
ERROR ATTEMPTING TO READY DEVICE, RC: xxx R0: xxxxxxxx R1:  
xxxxxxx
```

Cause

An API request was made to change the READY status and it failed with the indicated error code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPI33I

```
DEVICE IS NOW READY (OR WAS ALREADY READY)
```

Cause

READY(YES) was requested and successfully processed, or the device was already in the desired state.

Action

None.

ESNPI40I

```
DEVICE SUCCESSFULLY MADE NOT-READY
```

Cause

READY(NO) was requested and successfully processed.

Action

None.

ESNPI41I

```
DEVICE IS ALREADY NOT-READY
```

Cause

READY(NO) was requested and already found not-ready.

Action

None.

ESNPI42E

```
ERROR ATTEMPTING TO MAKE DEVICE NOT-READY, RC: xxx R0: xxxxxxxxx  
R1: xxxxxxxxx
```

Cause

An API request was made to change the READY status and it failed with the indicated error code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPI43I

```
DEVICE IS NOT-READY (OR WAS ALREADY NOT-READY)
```

Cause

READY(NO) was requested and successfully processed or the device was already in the desired state.

Action

None.

ESNPI50I

```
API QUERY VOLUME REQUEST PROCESSED
```

Cause

A QUERY VOLUME command was encountered by the API interface.

Action

None.

ESNPI60I

```
PROCESSING FOR STATEMENT stmt# BEGINNING, QUERY VOLUME REQUEST
```

Cause

A QUERY VOLUME operation is beginning to be processed.

Action

None.

ESNPI61I

```
PROCESSING FOR STATEMENT stmt# COMPLETED, HIGHEST RETURN CODE  
ENCOUNTERED IS rc
```

Cause

A QUERY VOLUME operation has completed.

Action

None.

ESNPI62W

NO VOLUMES SELECTED FOR PROCESSING

Cause

No volumes were found to be processed.

Action

Either specify a volume using STGGROUP, SCFGROUP, ESOTERIC(UNITNAME), BCVGROUP or VOLUME parameter, or ensure the specified volumes are online.

ESNPI63I

This message lists the following values in a single row:

- *symdv#(cuu)*
- *[*]volser[*]*
- *device-type*
- *{CKD|FBA}-cyls*
- *{READY|NOTREADY}*
- *raid-type*
- *device-function*
- *{SOME|NO} INVALID TRACKS*

For example:

```
ESNPI63I 0048(6108) *6108* STD CKD-03339 RDY RAID/1 SNAP-SRC NO
INVALID TRACKS
```

Cause

A QUERY VOLUME command has been issued. The ESNPI63I message shows basic information for each device.

Where:

- *symdv#* - PowerMax or VMAX device number.
- *cuu* - z/OS device number (CCUU).
- *volser* - Volume serial number as known by z/OS. If an asterisk (*) is in the first position, z/OS does not know the volser and TimeFinder derives it as follows:
 - If the item is **xxxx**, then *xxxx* is the z/OS CCUU.
 - If the item is **Lxxxx*, then *xxxx* is the PowerMax or VMAX device number.
 - If the item is **Rxxxx*, then *xxxx* is the PowerMax or VMAX device number.
- *device-type* - PowerMax or VMAX device type. The device type may be STD, BCV, VIRT, LOG, META, DMY, PVL, TDAT, TDEV, TDVS. DMY represents DUMMY. The operating environment has a slot for every number. If a device is removed, it is called a dummy device and is represented by DMY.
- *CKD|FBA* - Device architecture.
- *cyls* - The number of cylinders on the device.
- *READY|NOTREADY* - The device state.
- *raid-type* - RAID type, can be: RAID/S, RAID/5, RAID/10, RAID/1, RAID/6, or RAID/NA.
- *device-function* - Indicates the device function:
 - SNAP-SRC - The Snap source device.

SNAP-TGT - The Snap target device.

- VIRT-SRC (*symdv#*) - A virtual source device. The virtual device PowerMax or VMAX device number is *symdv#*.
- VIRT-TGT (*symdv#-sessionid*) - A virtual target device. The source PowerMax or VMAX device number is *symdv#* and the source session ID is *sessionid*.
- {SOME|NO} INVALID TRACKS - Indicates whether there are invalid tracks on this device.

Action

None.

ESNPI64W

```
CONTROLLER S/N symm-serial IS NOT AN EMC CONTROLLER
```

Cause

A device was specified in a non-Dell EMC storage system for the QUERY VOLUME operation.

Action

Correct the volume specification.

ESNPI65I

```
PROCESSING CONTROLLER S/N symm-serial [(symmname)] - MICROCODE  
LEVEL - level
```

or

```
PROCESSING CONTROLLER S/N symm-serial - MICROCODE LEVEL -  
level CONTROLLER NAME: symmname
```

Cause

This is a summary line identifying the storage system that is being processed by the QUERY VOLUME command.

Action

None.

ESNPI66I

```
ACTIVE SESSION(S): count
```

Cause

This line appears if any sessions exist for the volume.

Action

None.

ESNPI67I

```
SESSION_LIST(NO) SPECIFIED, SESSION LIST BYPASSED
```

Cause

SESSION_LIST(NO) was specified.

Action

None.

ESNPI68I

```
CONTROLLER NAME: symmname
```

Cause

If a storage system name is associated with a storage system, this line will list the storage system name.

Action

None.

ESNPI69E

```
VOLUME (volser S/N symm-serial/symdv#) CANNOT BE A VIRTUAL DEVICE  
FOR GATEKEEPER PURPOSES
```

Cause

A virtual device (VDEV) has been specified as a gatekeeper device.

Action

Change the gatekeeper device to a non-virtual device.

ESNPI70E

```
STORAGE GROUP NAME (sg_name) INVALID
```

Cause

The STGGROUP specified on the QUERY VOLUME command was not found.

Action

Correct or remove the STGGROUP parameter.

ESNPI71E

```
SMS VALIDATION FAILED FOR GROUP xxx WITH ERROR CODE: xxx AND  
REASON CODE: xxx
```

Cause

An error was returned from SMS for the specified storage group.

Action

Correct or remove the STGGROUP parameter. If the problem persists, search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

ESNPI80E

```
VDEV MUST REFER TO A VIRTUAL DEVICE
```

Cause

The device specified in the VDEV parameter is not a valid virtual device.

Action

Correct the device to be a valid virtual device.

ESNPI81I

```
SYMDV DEVICES: CONDVOL, COPYVOLID, FREESPACE, NEWVOLID, REFVTOC,  
REPLACE, VCLOSE, PREPARE_FOR_SNAP - IGNORED
```

Cause

The indicated parameters are ignored for SYMDV# requests.

Action

None

ESNPI82E

```
THE TARGET VOLUME IS AN SRDF R1 DEVICE THAT IS RESTRICTED FROM  
SNAP OPERATIONS
```

Cause

The target volume specified is an SRDF R1 device that is restricted from use by the SRDFA_R1_TARGET or SRDFS_R1_TARGET. This may be restricted in the site options table or by an option specified in the current job.

Action

Either choose another device to use as the target device, or refer to the SRDFA_R1_TARGET or SRDFS_R1_TARGET parameter and choose an option that is appropriate to your needs.

ESNPI83E

```
GROUP PROCESSING: COPYVOLID(YES) REQUIRED
```

Cause

COPYVOLID(NO) was specified with GROUP processing. When the POSTSNAP does not occur in the same execution as the PRESNAP, the original volser for the target device cannot be remembered in order to restore it after the device has been activated.

Action

Specify COPYVOLID(YES) and rerun.

ESNPI84E

```
TARGET DEVICE MAY NOT BE AN RDF R2 DEVICE THAT IS NOT READY
```

Cause

A SNAP VOLUME specified a target device that is an active SRDF R2 device.

Action

Either specify another device, or terminate the SRDF session with the device and then enable and ready the device.

ESNPI85E

```
GROUP PROCESSING: VDEV(FREE) NOT ALLOWED
```

Cause

VDEV(FREE) was specified with GROUP processing. When the POSTSNAP does not occur in the same execution as the PRESNAP, the VDEV device that is assigned as the target device cannot be remembered.

Action

Use VDEV with a specific device number.

ESNPI86E

```
THIN DEVICE (TDEV) OPERATIONS ARE ONLY ALLOWED WITH OTHER THIN OR  
VIRTUAL DEVICES
```

Cause

A request specified an operation involving a thin device and another device that was not a thin device.

Action

Correct the request so that thin devices are used with thin device, or non-thin devices are used with non-thin device.

ESNPI87E

SOURCE_VDEV MUST REFER TO A VIRTUAL DEVICE

Cause

SOURCE_VDEV contained a reference to a non-virtual device.

Action

If a non-virtual device is correct, change SOURCE_VDEV to SOURCE, or correct the device reference to the proper virtual device.

ESNPI88E

SOURCE MAY NOT REFER TO A VIRTUAL DEVICE

Cause

Only the RESTORE or COMPARE VOLUME may reference a virtual device in the SOURCE parameter.

Action

Review your request and correct your source device.

ESNPI89I

SPACE EFFICIENT DEVICES REQUIRE MODE(NOCOPYRD) , ASSUMED

Cause

When a space efficient device is used as a source or target device, MODE(NOCOPYRD) is required. In this case, it was not specified. MODE(NOCOPYRD) is assumed and this request will continue.

Action

None. Specify MODE(NOCOPYRD) to avoid this message.

ESNPI8AI

DEVICES SPECIFIED BY {SYMDV|GNS}: NEWVOLID, VCLOSE - IGNORED

Cause

The indicated parameters are ignored for SYMDV# or GNS requests for UNLINK.

Action

None.

ESNPI90I

COMPLETION CHECK RESTORING VOLUME *volser* TO *volser*

Cause

WAITFORCOMPLETION(YES) was specified and a device is being restored.

Action

None.

ESNPI91I

SOME INDIRECT TRACKS REMAIN

Cause

WAITFORCOMPLETION(YES) was specified for a restore operation and the restore is not yet complete.

Action

None.

ESNPI92I

CHECK COMPLETE, RESTORE COMPLETE

Cause

WAITFORCOMPLETION(YES) was specified for a restore operation and the restore is now complete.

Action

None.

ESNPJ00I

VARY OFFLINE COMMAND ISSUED TO VOLUME *volser*, DEVICE *dev#*

Cause

A VARY OFFLINE command was issued to the console for the indicated device.

Action

None.

ESNPJ10I

VARY ONLINE COMMAND ISSUED TO VOLUME *volser*, DEVICE *dev#*

Cause

A VARY ONLINE command was issued to the console for the indicated device.

Action

None.

ESNPJ20I

PROCESSING FOR STATEMENT *stmt#* RESUMED, COPY DATASET REQUEST

Cause

Processing for this SNAP DATASET request has been resumed following ACTIVATE command processing.

Action

None.

ESNPJ21I

PROCESSING FOR STATEMENT *stmt#* SUSPENDED FOR PENDING ACTIVATE

Cause

Processing for this SNAP DATASET request has been suspended due to ACTIVATE command processing. It will be resumed after the ACTIVATE command processing is

complete.

Action

None.

ESNPJ22W

```
DIFFERENTIAL_DATASET(YES) REQUIRES REPLACE(YES) and REUSE(YES),  
DIFFERENTIAL_DATASET DISABLED
```

Cause

Differential dataset processing requires that the target dataset be in the same physical location on disk each time. That means that REPLACE(YES) and REUSE(YES) are required to prevent the target dataset from being scratched and allocated in different locations each time.

Action

If differential dataset processing is desired, specify REPLACE(YES) and REUSE(YES). If the target dataset needs to be reallocated each time, specify DIFFERENTIAL _DATASET (NO).

ESNPJ23W

```
PARALLEL_CLONE(YES) REQUIRES ACTIVATE STATEMENT WITH  
CONSISTENT(YES), PARALLEL_CLONE DISABLED
```

Cause

PARALLEL_CLONE(YES) was specified, but an ACTIVATE statement with CONSISTENT(YES) was omitted.

Action

Either specify PARALLEL_CLONE(NO), or add an ACTIVATE statement with CONSISTENT(YES).

ESNPJ30I

```
PROCESSING FOR STATEMENT stmt# RESUMED, COPY FROM VOLUME volser TO  
VOLUME volser
```

Cause

Processing for this SNAP VOLUME request has been resumed following ACTIVATE command processing.

Action

None.

ESNPJ31I

```
PROCESSING FOR STATEMENT stmt# SUSPENDED FOR PENDING ACTIVATE
```

Cause

Processing for this SNAP VOLUME request has been suspended due to ACTIVATE command processing. It will be resumed after the ACTIVATE command processing is complete.

Action

None.

ESNPJ32E

PRESNAP(NO) AND POSTSNAP(NO) NOT ALLOWED EXCEPT DURING GROUP PROCESSING

Cause

PRESNAP(NO) and POSTSNAP(NO) were specified on a request. These parameters are only allowed when a GROUP is being processed.

Action

Either:

- If these parameters are desired, the requests must be put into a group. Then, the group can be processed with the parameters.
- Remove the PRESNAP and POSTSNAP parameters from this request.

ESNPJ33E

PRESNAP(NO) AND POSTSNAP(YES) NOT ALLOWED EXCEPT DURING GROUP PROCESSING

Cause

PRESNAP(NO) and POSTSNAP(YES) were specified on a request. These parameters are only allowed when a GROUP is being processed.

Action

Either:

- If these parameters are desired, the requests must be put into a group. Then, the group can be processed with the parameters
- Remove the PRESNAP and POSTSNAP parameters from this request.

ESNPJ34E

PRESNAP(YES) AND POSTSNAP(NO) NOT ALLOWED EXCEPT DURING GROUP PROCESSING

Cause

PRESNAP(YES) and POSTSNAP(NO) were specified on a request. These parameters are only allowed when a GROUP is being processed.

Action

Either:

- If these parameters are desired, the requests must be put into a group. Then, the group can be processed with the parameters.
- Remove the PRESNAP and POSTSNAP parameters from this request.

ESNPJ35E

POOL(*poolname*) IS NOT A SNAPPOL POOL.

Cause

POOL was specified for a SNAP VOLUME to VDEV operation. The poolname was valid, but was not a snap device pool.

Action

VDEV requires a snap device pool to be used. Remove the POOL parameter in order to use the default pool, or specify a poolname that is a snap device pool.

ESNPJ36E

UNABLE TO SNAP VOLUME - VIRTUAL DEVICE IS ALREADY ACTIVE (IN

SESSION)

Cause

The site option VDEV_REUSE is set to NO. This means that a SNAP VOLUME statement cannot be issued to a VDEV that is already active until a STOP SNAP statement is used to free the VDEV.

Action

Either:

- Use STOP SNAP to free the VDEV and try the request.
- Use a different VDEV device.

The *TimeFinder/Clone Mainframe Snap Facility Product Guide* contains more information about VDEV_REUSE and other site options.

ESNPJ37E

UNABLE TO COPY VOLUME WITH DATAMOVER - SOURCE DEVICE IS IN A NOT-READY STATE

Cause

A datamover must be used to copy the volume, but the source volume is currently not-ready, meaning that it cannot respond to I/O requests.

Action

Use the CONFIG command to ready the device.

ESNPJ38E

UNABLE TO COPY VOLUME WITH DATAMOVER - TARGET DEVICE IS IN A NOT-READY STATE

Cause

A datamover must be used to copy the volume, but the target volume is currently not-ready, meaning that it cannot respond to I/O requests.

Action

Use the CONFIG command to ready the device.

ESNPJ39W

PARALLEL_CLONE(YES) REQUIRES ACTIVATE STATEMENT WITH CONSISTENT(YES), PARALLEL_CLONE DISABLED

Cause

PARALLEL_CLONE(YES) was specified, but an ACTIVATE statement with CONSISTENT(YES) was omitted.

Action

Either specify PARALLEL_CLONE(NO), or add an ACTIVATE statement with CONSISTENT(YES).

ESNPJ3AE

DATAMOVERS ARE NOT ALLOWED WITH PRESNAP(YES) OPTION

Cause

The DATAMOVER and PRESNAP(YES) options were both specified in the same SNAP VOLUME command.

Action

Remove either the PRESNAP(YES) or DATAMOVER parameter from the SNAP VOLUME

command and resubmit the job.

ESNPJ40E

```
INCOMPATIBLE APPLICATION INVOKING EMCSNAP API
```

Cause

An incompatible application was found to be invoking the SNAP API.

Action

Typically, this is caused by release mismatch between the TimeFinder module and the EMCSNAPI code running in SCF. Verify that all modules and code are at the same or appropriate code level (including the SCF being used).

ESNPJ50I

```
WAITING TO PERFORM FREE VIRTUAL DEVICE MANAGEMENT
```

Cause

VDEV(FREE) was specified. The FREE VIRTUAL DEVICE MANAGER must be serialized for use.

Action

None.

ESNPJ60I

```
RELEASING FREE VIRTUAL DEVICE MANAGEMENT
```

Cause

VDEV(FREE) was specified and the FREE VIRTUAL DEVICE MANAGER is no longer required.

Action

None.

ESNPJ70E

```
SITE LICENSE DISALLOWS DIFFERENTIAL SNAP
```

Cause

The Site LFC does not allow differential snap operations.

Action

Add the differential snap license code to SCF. You may need to contact your local Dell EMC sales representative to obtain the code.

ESNPJ71E

```
CONTROLLER LICENSE DISALLOWS DIFFERENTIAL SNAP - SERIAL#: symm-serial
```

Cause

The storage system LFC does not allow differential snap operations on the specified storage system.

Action

Add the differential snap license code to SCF. You may need to contact your local Dell EMC sales representative to obtain the code.

ESNPJ72E

```
@EMCKFI FAILED CHECKING CONTROLLER S/N symm-serial, R15: xxxxxxxx  
R0: xxxxxxxx
```

Cause

#EMCKFI returned an error while attempting to check the LFC for the specified storage system.

Action

Correct or remove the STGGROUP parameter. If this does not solve the problem, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you are not able to find a solution, contact Dell EMC Customer Support. Ensure that you have documentation relevant to the job available.

ESNPJ73E

```
TO FIND OUT MORE OR OBTAIN THE NECESSARY LFC CONTACT YOUR LOCAL  
EMC SALES REPRESENTATIVE
```

Cause

A differential snap was attempted without enabling the feature.

Action

Add the differential snap licensed feature code to SCF. You may need to contact your local Dell EMC sales representative to obtain the code.

ESNPJ80E

```
SITE LICENSE DISALLOWS EMCSNAP
```

Cause

The Site LFC does not allow snap operations with the TARGET parameter.

Action

Add the appropriate TARGET licensed feature code to SCF. You may need to contact your local Dell EMC sales representative to obtain the code.

ESNPJ81E

```
CONTROLLER LICENSE DISALLOWS EMCSNAP - SERIAL#: symm-serial
```

Cause

The storage system LFC does not allow snap operations on the specified storage system with the TARGET parameter.

Action

Add the appropriate TARGET licensed feature code to SCF. You may need to contact your local Dell EMC sales representative to obtain the code.

ESNPJ82E

```
@EMCKFI FAILED CHECKING CONTROLLER symm-serial, R15: xxxxxxxx R0:  
xxxxxxx
```

Cause

#EMCKFI returned an error while attempting to check the LFC for the specified storage system.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, correct or remove the STGGROUP parameter. If the problem persists, review the

job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you are not able to find a solution, contact Dell EMC Customer Support. Ensure that you have documentation relevant to the job available.

ESNPJ83E

```
TO FIND OUT MORE OR OBTAIN THE NECESSARY LFC CONTACT YOUR LOCAL  
EMC SALES REPRESENTATIVE
```

Cause

A snap operation was attempted without enabling the feature.

Action

Add the snap license code to SCF. You may need to contact your local Dell EMC sales representative to obtain the code.

ESNPJ90E

```
SITE LICENSE DISALLOWS VIRTUAL SNAP
```

Cause

The Site LFC does not allow virtual device snap operations (TimeFinder/Snap).

Action

Add the appropriate VDEV licensed feature code to SCF. You may need to contact your local Dell EMC sales representative to obtain the code.

ESNPJ91E

```
CONTROLLER LICENSE DISALLOWS VIRTUAL SNAP - SERIAL#: symm-serial
```

Cause

The storage system LFC does not allow virtual device snap operations (TimeFinder/Clone) on the specified storage system.

Action

Add the appropriate VDEV licensed feature code to SCF. You may need to contact your local Dell EMC sales representative to obtain the code.

ESNPJ92E

```
@EMCKFI FAILED CHECKING CONTROLLER symm-serial, R15: xxxxxxxx R0:  
xxxxxxx
```

Cause

@EMCKFI returned an error while attempting to check the LFC for the specified storage system.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPJ93E

```
TO FIND OUT MORE OR OBTAIN THE NECESSARY LFC CONTACT YOUR LOCAL  
EMC SALES REPRESENTATIVE
```

Cause

A virtual device snap operation was attempted without enabling the feature.

Action

Add the virtual snap licensed feature code to SCF. You may need to contact your local Dell EMC Sales representative to obtain the code.

ESNPJ94E

```
UNABLE TO VALIDATE CONTROLLER LICENSE, CONTROLLER NOT DEFINED TO  
SCF - S/N symm-serial
```

Cause

An attempt to validate the storage system license failed. The device storage system is not defined to SCF.

Action

Either review the SCF devices and ensure that the device is included in SCF, or correct the device reference to a valid SCF device.

ESNPJ95E

```
TO FIND OUT MORE OR OBTAIN THE NECESSARY LFC CONTACT YOUR LOCAL  
EMC SALES REPRESENTATIVE
```

Cause

A virtual device snap operation was attempted without enabling the feature.

Action

Add the virtual snap eLicenses to your storage systems. You may need to contact your local Dell EMC sales representative to obtain the code.

ESNPK00E

```
@EMCKFI FAILED CHECKING SITE DIFFERENTIAL - R15: xx R0: xx
```

Cause

@EMCKFI failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPK01E

```
@EMCKFI FAILED CHECKING SITE REGULAR SNAP - R15: xx R0: xx
```

Cause

@EMCKFI failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPK02E

```
@EMCKFI FAILED CHECKING SITE VIRTUAL SNAP - R15: xx R0: xx
```

Cause

@EMCKFI failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPK03E

```
@EMCKFI FAILED CHECKING SITE DATAMOVER SNAP - R15: xx R0: xx
```

Cause

@EMCKFI failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPK04E

```
@EMCKFI FAILED CHECKING SITE SNAP CONSIST - R15: xx R0: xx
```

Cause

@EMCKFI failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPK05E

```
@EMCKFI FAILED CHECKING SITE LICENSE FOR featurename - R15:  
xxxxxxxx R0: xxxxxxxx
```

Cause

#EMCKFI returned an error while attempting to check the LFC for the indicated feature.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.
If you are not able to find a solution, contact Dell EMC Customer Support. Ensure that you have documentation relevant to the job available.

ESNPK10I

```
API PARALLEL REQUEST PROCESSED
```

Cause

PARALLEL request encountered in the API interface.

Action

None.

ESNPK20I

API SERIAL REQUEST PROCESSED

Cause

SERIAL request encountered in the API interface.

Action

None.

ESNPK30E

SUBTASKING IDENTIFY FAILED WITH RC=xxxxxxxx

Cause

An IDENTIFY request failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPK31I

A MAXIMUM OF *nnn* SUBTASKS WILL BE SCHEDULED

Cause

PARALLEL(YES) has been specified and this identifies the maximum number of subtasks that can be scheduled based on the region size available.

Action

None.

ESNPK32E

SUBTASKING LOAD OF MODULE *name* FAILED WITH RC=xxxxxxxx R1=xxxxxxxx

Cause

PARALLEL(YES) has been specified, but the load of the subtasking interface module failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPK40E

SNAP VOLUME STATEMENT *stmt#* IS DEPENDENT ON THE COMPLETION OF STATEMENT *stmt#*

Cause

PARALLEL(YES) was specified and two commands are co-dependent. The two commands will not be run simultaneously, since one depends on the results of the other.

Action

None.

ESNPK41E

```
SNAP VOLUME STATEMENT stmt# AND STATEMENT stmt# BOTH TARGET THE  
SAME VOLUME volser
```

Cause

PARALLEL(YES) has been specified and two commands target the same volume. The two commands will not be run simultaneously since the second will end up replacing the volume contents.

Action

None.

ESNPK50E

```
SNAP DATASET STATEMENT stmt# IS DEPENDENT ON THE COMPLETION OF  
STATEMENT stmt#
```

Cause

PARALLEL(YES) has been specified and two commands are co-dependent. The two commands will not be run simultaneously since one depends on the results of the other.

Action

None.

ESNPK51E

```
SNAP DATASET STATEMENT stmt# AND STATEMENT stmt# BOTH TARGET THE  
SAME DATASET
```

Cause

Two commands target the same volume. The two commands will not run simultaneously since the second one will end up replacing the volume contents.

Action

None.

ESNPK52I

```
dsname
```

Cause

This message identifies the dataset referred to in message ESNPK51E.

Action

None.

ESNPK60I

```
EMCSNAP SUBTASK nnn STARTED
```

Cause

Debugging message issued to the console log indicating that a subtask has received control and is available for work.

Action

None.

ESNPK61I

EMCSNAP SUBTASK *nnn* ENDED

Cause

Debugging message issued to the console log indicating that a subtask has terminated.

Action

None.

ESNPK62I

EMCSNAP SUBTASK *nnn* WAKEUP - NO WORK FOUND

Cause

Debugging message issued to the console log indicating that a subtask was posted with work and no work was found.

Action

None.

ESNPK70S

PARALLEL TASK FOR THIS REQUEST ABNORMALLY TERMINATED

Cause

Subtask terminated. See the console log for details.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPK71I

** ENQ_SCOPE(STEP) REQUESTED, BEGINNING SOURCE DATASET ENQUEUEES

Cause

ENQ_SCOPE(STEP) was specified. This causes all of the dataset ENQUEUEES to be performed prior to any request being processed.

Action

None.

ESNPK72I

** ENQ_SCOPE(STEP) PROCESSING COMPLETED.

Cause

ENQ_SCOPE(STEP) was specified. All dataset ENQUEUEES have been performed prior to any request processing.

Action

None.

ESNPK80S

PARALLEL TASK FOR THIS REQUEST ABNORMALLY TERMINATED

Cause

Subtask terminated. See console log for details.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPK81E

```
LDM ENDED WITH RETURN CODE xxxxxxxx
```

Cause

The z/OS Migrator interface returned with the return code indicated.

Action

None.

ESNPK81I

```
LDM ENDED WITH RETURN CODE xxxxxxxx
```

Cause

The LDMF (z/OS Migrator) interface returned with the return code indicated.

Action

None.

ESNPK81W

```
LDM ENDED WITH RETURN CODE xxxxxxxx
```

Cause

The z/OS Migrator interface returned with the return code indicated.

Action

None.

ESNPK82I

```
SOURCE DEVICE OFFLINE, UTILITY PROGRAM MAY FAIL
```

Cause

A SNAP VOLUME request has a datamover specified and the source device is offline. It is possible that the source and target device may not be able to be snapped with the operating environment, in which case the datamover will be used. Some of the datamover utility programs (ADRSSU and FDRDSF) do not support offline source devices.

Action

Unless the datamover is going to be executed, this message may be ignored. If the datamover is desired, then COPYCYL or COPYTRK may be used. COPYCYL and COPYTRK support offline devices.

ESNPK83I

```
TARGET DEVICE OFFLINE, UTILITY PROGRAM MAY FAIL
```

Cause

A SNAP VOLUME request has a datamover specified and the target device is offline. It is possible that the source and target device may not be able to be snapped with the operating environment, in which case the datamover is used. Some of the datamover utility programs (ADRSSU and FDRDSF) do not support offline target devices.

Action

Unless the datamover is going to be executed, this message may be ignored. If the datamover is desired, then COPYCYL or COPYTRK may be used. COPYCYL and COPYTRK support offline devices.

ESNPK84I

```
EMCCOPY NO LONGER AVAILABLE, SUBSTITUTING COPYCYL
```

Cause

EMCCOPY was requested as the datamover for a device where EMCCOPY is no longer supported. COPYCYL will be used instead.

Action

None.

ESNPK85W

```
CONSISTENT ACTIVATE WITH BOTH SRDF/A AND SRDF/S R2 DEVICES - WILL NOT BE CONSISTENT!
```

Cause

A consistent activate of devices that includes both SRDF/A and SRDF/S remote devices is being performed. While consistency of the SRDF/A devices will be maintained, and consistency of the SRDF/S devices will also be obtained, they will have different point-in-time consistency, thus considered not consistent.

This is a warning to indicate that there will be separate point-in-time consistency for the two device categories.

Action

None.

ESNPK86W

```
CONSISTENT ACTIVATE WITH BOTH SRDF/A R2 DEVICE AND OTHER DEVICES - WILL NOT BE CONSISTENT!
```

Cause

A consistent activate of devices that includes SRDF/A devices and other devices is being performed. While consistency of the SRDF/A devices will be maintained, and consistency of the other devices will also be obtained, they will have different point-in-time consistency, thus considered not consistent.

This is a warning to indicate that there will be separate point-in-time consistency for the two device categories.

Action

None.

ESNPK87W

```
CONSISTENT COPY ATTEMPTED, SOME R1/R21 DEVICES ARE IN ADAPTIVE COPY MODE, COPY NOT CONSISTENT
```

Cause

ACTIVATE with CONSISTENT(YES) was specified. Some R1 or R21 devices are in adaptive copy mode. This means that the device may stream changes to the R2 device and are not write dependent. Normal consistency methodology does not allow this.

Action

If you take no action, this is a warning to indicate that the copy will not be consistent.

Prior to performing the activate, you may change the devices to not be in adaptive copy

mode. This should result in a consistent copy.

ESNPK88I

```
PARALLEL_CLONE(YES) REQUESTED, PARALLEL CLONE NOT USED
```

Cause

PARALLEL_CLONE(YES) was specified. Some copies are not using parallel clone.

Action

Verify that all devices involved are valid R1 device with enabled R2 on an SRDF/S link. This message may be appropriate if some devices being copied do not meet the parallel clone criteria.

ESNPK89I

```
PARALLEL_CLONE(YES) REQUESTED, PARALLEL CLONE USED
```

Cause

PARALLEL_CLONE(YES) was specified. All copies are using parallel clone.

Action

None.

ESNPK90E

```
SNAP VOLUME STATEMENT stmt# IS DEPENDENT ON THE COMPLETION OF  
STATEMENT stmt#
```

Cause

PARALLEL(YES) has been specified and two statements are co-dependent. The two statements will not be run simultaneously since one depends on the results of the other.

Action

None.

ESNPK91E

```
SNAP VOLUME STATEMENT stmt# INTERACTS WITH DEVICES USED IN  
STATEMENT stmt#
```

Cause

PARALLEL(YES) has been specified and the same base device is being acted upon in two commands. For example, a restore of multiple VDEV devices that have the same standard device. The two commands will not be run simultaneously.

Action

None.

ESNPL00E

```
SNAP VOLUME STATEMENT stmt# IS DEPENDENT ON THE COMPLETION OF  
STATEMENT stmt#
```

Cause

PARALLEL(YES) was specified and two statements are co-dependent. The two statements will not be run simultaneously since one depends on the results of the other.

Action

None.

ESNPL10S

PARALLEL TASK FOR THIS REQUEST ABNORMALLY TERMINATED

Cause

Subtask terminated. See the console log for details.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPL20S

PARALLEL TASK FOR THIS REQUEST ABNORMALLY TERMINATED

Cause

Subtask terminated. See the console log for details.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPL30S

PARALLEL TASK FOR THIS REQUEST ABNORMALLY TERMINATED

Cause

Subtask terminated. See the console log for details.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPL40S

PARALLEL TASK FOR THIS REQUEST ABNORMALLY TERMINATED

Cause

Subtask terminated. See the console log for details.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPL50S

PARALLEL TASK FOR THIS REQUEST ABNORMALLY TERMINATED

Cause

Subtask terminated. See the console log for details.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPL60S

```
PARALLEL TASK FOR THIS REQUEST ABNORMALLY TERMINATED
```

Cause

Subtask terminated. See console log for details.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPL70W

```
AUTO_RELEASE REQUEST FAILED, THE SCF SERVER IS NOT AVAILABLE
```

Cause

AUTO_RELEASE(YES) was requested, but the SCF service is not available to monitor the progress of the SNAP VOLUME request.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPL71I

```
AUTO_RELEASE IGNORED, AUTO_RELEASE DOES NOT SUPPORT DEVICES  
SPECIFIED BY SYMDV#
```

Cause

The command you supplied contained both the AUTO_RELEASE parameter and a device number (SYMDV#). The command does not allow both items to be present.

Action

Reissue the command specifying either the AUTO_RELEASE parameter or a device number.

ESNPL80I

```
count INTRA-REQUEST LEVEL SUBTASKS WERE ATTACHED
```

Cause

Termination message when multi-tasking was used. This identifies the actual number of request level tasks that were attached.

Action

None.

ESNPL81I

```
count INTER-REQUEST LEVEL SUBTASKS WERE ATTACHED
```

Cause

Termination message when multi-tasking was used. This identifies the actual number of sub-request level tasks that were attached for wild-carded processes.

Action

None.

ESNPL90E

```
VDEV CREATION HAS BEEN STOPPED ON CONTROLLER symm-serial
```

Cause

A request to create a new VDEV has failed (SNAP VOLUME TO VDEV). The SNAPPOOL Monitor in SCF has a rule set to prevent creation of new VDEV devices under certain conditions. The condition has been met.

Action

Check the SNAPPOOL monitor in SCF.

ESNPL91E

```
VDEV CREATION HAS BEEN STOPPED ON CONTROLLER symm-serial POOL: poolname
```

Cause

A request to create a new VDEV has failed (SNAP VOLUME TO VDEV). The SNAPPOOL Monitor in SCF has a rule set to prevent creation of new VDEV devices under certain conditions. The condition has been met.

Action

Check the SNAPPOOL monitor in SCF.

ESNPM00E

```
EMC SNAP API - TARGET DEVICE HAS VIRTUAL DEVICE SESSION
```

Cause

A SNAP DATASET or SNAP VOLUME request has failed because the target device currently has a virtual device attached.

Action

Either choose another target volume, or remove the virtual device.

ESNPM01E

```
EMC SNAP API - PERSISTENT RESTORE SESSION IS ACTIVE ON ORIGINAL SOURCE DEVICE
```

Cause

A persistent restore operation is active on the original source device. No restore operations can take place until this persistent restore operation is complete and the session removed.

Action

Attempt a cleanup on the original source device. After the persistent restore session is removed, try this operation again.

ESNPM02E

```
EMC SNAP API - I/O ERROR READING TARGET EXTENT TRACK
```

Cause

An I/O error occurred while reading the target extent track.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPM03E

EMC SNAP API - I/O ERROR WRITING TARGET EXTENT TRACK

Cause

An I/O error occurred while writing the target extent track.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPM04E

EMC SNAP API - I/O ERROR SETTING SESSION COPY MODE

Cause

An I/O error occurred when setting the session copy mode.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPM05E

EMC SNAP API - I/O ERROR CREATING CLONE SESSION

Cause

An I/O error occurred while create a clone session.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPM06E

EMC SNAP API - I/O ERROR ESTABLISHING CLONE

Cause

An I/O error occurred while establishing a clone session.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

ESNPM07E

EMC SNAP API - CLONE FEATURE REQUIRES 5X71 CODE OR HIGHER

Cause

A clone operation was attempted against a device that does not support clone operations.

Action

Either correct the device to be in the proper storage system, or upgrade the operating environment to support clone operations.

ESNPM08E

EMC SNAP API - MINIMUM API LEVEL NEEDED FOR REQUESTED ACTION

Cause

The TimeFinder API doesn't support the requested operation.

Action

Ensure that the correct version of SCF is being used. If the correct version of SCF is being used, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPM09E

EMC SNAP API - TARGET DEVICE FAILED TO GO NOTREADY

Cause

The target device failed to go not-ready.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPM10E

SITE LICENSE DISALLOWS EMCSNAP

Cause

The Site LFC does not allow snap operations with the TARGET parameter.

Action

Add the appropriate TARGET licensed feature code to SCF. You may need to contact your local Dell EMC sales representative to obtain the code.

ESNPM11E

CONTROLLER LICENSE DISALLOWS EMCSNAP - SERIAL#: *symm-serial*

Cause

The storage system LFC does not allow snap operations on the specified storage system with the TARGET parameter.

Action

Add the appropriate TARGET licensed feature code to SCF. You may need to contact your local Dell EMC sales representative to obtain the code.

ESNPM12E

```
@EMCKFI FAILED CHECKING CONTROLLER symm-serial,  
R15: xxxxxxxx R0: xxxxxxxx
```

Cause

@EMCKFI returned an error while attempting to check the LFC for the specified storage system.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPM13E

```
TO FIND OUT MORE OR OBTAIN THE NECESSARY LFC CONTACT YOUR LOCAL  
EMC SALES REPRESENTATIVE
```

Cause

A snap operation was attempted without enabling the feature.

Action

Add the appropriate licensed feature code to SCF. You may need to contact your local Dell EMC sales representative to obtain the code.

ESNPM20E

```
INVALID CHARACTER ENCOUNTERED WHILE PROCESSING EXCLUDE_PATHGROUPID  
PARAMETER
```

Cause

An invalid character was used in the EXCLUDE_PATHGROUPID parameter. The valid characters are 0-9, A-F and '?' or '*'.

Action

Ensure that only valid characters are specified.

ESNPM21E

```
VALID CHARACTERS ARE HEX (0-F), '*' OR '?'
```

Cause

This message immediately follows message ESNPM20E.

Action

Message ESNPM20E provides more information.

ESNPM30I

```
COPY/NOCOPY REQUEST COMPLETED
```

Cause

The copy or nocopy mode change completed successfully.

Action

None.

ESNPM31I

SET SNAPSHOT EXPIRATION REQUEST COMPLETED

Cause

The snapshot expiration time has been set successfully.

Action

None.

ESNPM40E

ERROR OBTAINING DEVICE CHARACTERISTICS - RDC(64) FAILED, DOIO RC
XXXX

Cause

The I/O to obtain the device characteristics failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available. "DOIO error codes" in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides more information.

ESNPM50I

API CONFIGPOOL REQUEST PROCESSED

Cause

The CONFIGPOOL request has completed

Action

None.

ESNPM61E

NO ACTION REQUESTED FOR CONFIGPOOL

Cause

No action was coded on the CONFIGPOOL statement.

Action

Code a valid action on the CONFIGPOOL statement.

ESNPM62E

POOL PARAMETER IS REQUIRED FOR CONFIGPOOL

Cause

The POOL parameter is missing on the CONFIGPOOL command.

Action

Add the POOL parameter to the CONFIGPOOL command.

ESNPM63E

TYPE(SNAPPOOL) PARAMETER IS REQUIRED FOR CONFIGPOOL

Cause

The TYPE(SNAPPOOL) parameter is missing on the CONFIGPOOL command.

Action

Add the TYPE(SNAPPOOL) parameter to the CONFIGPOOL command.

ESNPM64E

```
DEV PARAMETER IS REQUIRED FOR CONFIGPOOL ADD/DISABLE/ENABLE/REMOVE
```

Cause

The DEV parameter is missing on the CONFIGPOOL command.

Action

Add the DEV parameter to the CONFIGPOOL command.

ESNPM65E

```
DEV PARAMETER IS NOT ALLOWED WITH CONFIGPOOL CREATE/DELETE/DISPLAY
```

Cause

The DEV parameter was specified on the CONFIGPOOL command when it is not allowed.

Action

Remove the DEV parameter from the CONFIGPOOL command.

ESNPM70I

```
PROCESSING FOR STATEMENT stmt# BEGINNING,  
CONFIGPOOL action poolname USING VOLUME volser S/N symm-serial
```

Cause

Processing of the CONFIGPOOL command is beginning.

Action

None.

ESNPM71I

```
PROCESSING FOR STATEMENT stmt# COMPLETED, HIGHEST RETURN CODE  
ENCOUNTERED IS rc
```

Cause

Processing of the CONFIGPOOL command has completed.

Action

None.

ESNPM72I

```
PROCESSING BYPASSED DUE TO TYPRUN(NORUN) OPTION
```

Cause

Processing of the CONFIGPOOL command is bypassed because TYPRUN(NORUN) was specified.

Action

Omit the TYPRUN(NORUN) parameter and rerun.

ESNPM73I

```
PROCESSING BYPASSED DUE TO PREPARE_FOR_SNAP(YES) OPTION
```

Cause

Processing of the CONFIGPOOL command is bypassed because PREPARE_FOR_SNAP(YES) was specified.

Action

None. Rerun omitting the PREPARE_FOR_SNAP(YES) parameter.

ESNPM74E

```
POOL(poolname) IS NOT A SNAPPPOOL POOL.
```

Cause

POOL was specified for a CONFIGPOOL operation. The poolname was valid, but was not a TYPE(SNAPPPOOL) pool.

Action

EMCSNAP CONFIGPOOL requires a snap device pool to be used. Specify a poolname that is a snap device pool. For operations involving other pool types, see the *ResourcePak Base for z/OS Product Guide*.

ESNPM80E

```
EMC SNAP API - TARGET DEVICE FAILED TO GO READY
```

Cause

The target device failed to go ready.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPM81E

```
EMC SNAP API - SESSION NOT FOUND FOR CLONE SPLIT
```

Cause

The split failed because the session was not found.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPM82E

```
EMC SNAP API - API ERROR - XTAPSIZE REQUIRED FOR XTAPVER_1 REQUEST
```

Cause

The API call required XTAPSIZE to be specified.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

ESNPM83E

```
EMC SNAP API - API ERROR - XTAPXTNT@ REQUIRED FOR XTAPVER_1  
REQUEST
```

Cause

The API call required XTAPXTNT@ to be specified.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

ESNPM84E

EMC SNAP API - BACKGROUND SPLIT NOT COMPLETE

Cause

The re-establish request failed because the background split was not complete.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

ESNPM85E

EMC SNAP API - ERROR ATTEMPTING TO RELEASE HOLD

Cause

The target device failed to release the hold.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

ESNPM86E

EMC SNAP API - I/O ERROR WITH SYMDEVICE

Cause

An I/O error occurred when obtaining the SYMDEVICE information.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPM87E

EMC SNAP API - UNABLE TO DETERMINE REMOTE DA FOR SOURCE DEVICE

Cause

Unable to determine the remote DA to be used for syscall execution.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPM88E

EMC SNAP API - UNABLE TO DETERMINE REMOTE DA FOR TARGET DEVICE

Cause

Unable to determine the remote DA to be used for syscall execution.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPM89E

EMC SNAP API - API ERROR - XTAPXTNTL REQUIRED FOR XTAPVER_1 REQUEST

Cause

The API call required XTAPXTNTL to be specified.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

ESNPM90E

EMC SNAP API - UNABLE TO DETERMINE REMOTE DA FOR RESTORE DEVICE

Cause

Unable to determine the remote DA to be used for syscall execution.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

ESNPM91E

EMC SNAP API - ERROR QUERYING LOGPOOL INFORMATION

Cause

An I/O error occurred while obtaining logpool information.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

ESNPM92E

EMC SNAP API - ERROR QUERYING LOGPOOL DEVICE INFORMATION

Cause

An I/O error occurred while obtaining logpool device information.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

ESNPM93E

EMC SNAP API - ERROR CREATING LOG POOL

Cause

An I/O error occurred while creating a new logpool.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPM94E

EMC SNAP API - ERROR DELETING LOG POOL

Cause

An I/O error occurred while deleting a logpool.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPM95E

EMC SNAP API - ERROR CHANGING LOG POOL STATUS

Cause

An I/O error occurred while deleting a logpool.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPM96E

EMC SNAP API - ERROR ADDING DEVICE TO LOG POOL

Cause

An I/O error occurred while deleting a logpool.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPM97E

EMC SNAP API - ERROR REMOVING DEVICE FROM LOG POOL

Cause

An I/O error occurred while deleting a logpool.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPM98E

EMC SNAP API - ERROR CHANGING DEVICE STATUS IN LOGPOOL

Cause

An I/O error occurred while deleting a logpool.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPM99E

EMC SNAP API - LOG POOL NAME IS NOT DEFINED IN THE SYMMETRIX

Cause

The logpool name passed to the internal API is not defined to the storage system.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

ESNPN00I

LOGPOOL INFORMATION FOR CONTROLLER - S/N *symm-serial*

Cause

This message identifies the storage system for a CONFIGPOOL DISPLAY request.

Action

None.

ESNPN01I

-NAME- -STATUS- -TYPE- -POOLTYPE-

Cause

Column header message for CONFIGPOOL DISPLAY.

Action

None.

ESNPN02I

XXXXXXXXXXXXXXXX XXXXXXXXXXXX XXXX XXXXXXXXXXXX

Cause

Detail message listing logpool and the status. The status may be: Undefined, Available or Full. The device type may be: CKD or FBA. The pooltype may be SNAPPOOL or DSEPOOL. (DSEPOOL is not used in TimeFinder.)

Action

None.

ESNPN03W

```
** NO LOGPOOLS FOUND **'
```

Cause

CONFIGPOOL DISPLAY request and no logpools were found defined to the storage system.

Action

None.

ESNPN04E

```
LOGPOOL SPECIFIED - poolname - DOES NOT EXIST
```

Cause

The requested logpool is not defined to that storage system. This message cause a list of logpools that are defined to be generated.

Action

Either correct the logpool name, or specify a target device in the correct storage system.

ESNPN05I

```
LOGPOOL DEVICE INFORMATION FOR LOGPOOL - poolname
```

Cause

This message identifies the logpool for a CONFIGPOOL DISPLAY request.

Action

None.

ESNPN06I

```
-DEVICE-      -STATUS-      TYPE      --USED--      --FREE--      -DRAIN?-
```

Cause

Column header message for CONFIGPOOL DISPLAY for a specific logpool:

- **DEVICE** - The logpool device.
- **STATUS** - The status of the logpool device, as described under ESNPN07I.
- **TYPE** - The type of device: FBA or CKD
- **USED** - The number of tracks on the log device that are used.
- **FREE** - The number of tracks on the log device that are not used (available).
- **DRAIN** - An indication of whether the device is draining or not.

Action

None.

ESNPN07I

```
xxxxxxxxx yyyyyyyyyy
```

Cause

Detail message listing logpool devices and the status. The status may be Undefined, Active, or Inactive.

Action

None.

ESNPN08I

```
NO DEVICES DEFINED TO LOGPOOL poolname
```

Cause

The requested logpool does not have any devices defined.

Action

None.

ESNPN09E

```
LOGPOOL poolname IS FBA, RESTRICTED FROM DISPLAY
```

Cause

The pool indicated is a pool of FBA devices. The site options table restricts operations from FBA devices. The pool will not be displayed.

Action

Either display another pool, or correct the site options table to allow operations on FBA devices.

ESNPN10E

```
LOGPOOL SPECIFIED - poolname - ALREADY EXISTS
```

Cause

The logpool cannot be created because one already exists with that name.

Action

Either ensure that you are operating against the correct storage system, or use a different name.

ESNPN11I

```
LOGPOOL poolname CREATED.
```

Cause

The new logpool has been created.

Action

None.

ESNPN12E

```
ERROR ENCOUNTERED WHILE CREATING LOGPOOL poolname
```

Cause

Unable to create the new logpool.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the

SYSLOG, the job log, and all relevant job documentation available.

ESNPN13E

```
DEFAULT_POOL MAY NOT BE CREATED
```

Cause

The DEFAULT_POOL is reserved and cannot be created.

Action

Do not attempt to create the DEFAULT_POOL.

ESNPN20E

```
LOGPOOL SPECIFIED - poolname - DOES NOT EXIST
```

Cause

The logpool cannot be deleted, because it does not exist.

Action

Either ensure that you are operating against the correct storage system, or use a different name.

ESNPN21I

```
LOGPOOL poolname DELETED.
```

Cause

The logpool has been deleted.

Action

None.

ESNPN22E

```
ERROR ENCOUNTERED WHILE DELETING LOGPOOL poolname
```

Cause

Unable to delete the new logpool.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPN23E

```
DEFAULT_POOL MAY NOT BE DELETED
```

Cause

The DEFAULT_POOL is reserved and cannot be deleted.

Action

Do not attempt to delete the DEFAULT_POOL.

ESNPN24E

```
ALL DEVICES MUST BE REMOVED FROM POOL BEFORE IT CAN BE DELETED
```

Cause

Add devices must be removed from a pool before it can be deleted.

Action

Remove the devices from the pool and delete it.

ESNPN25E

```
LOGPOOL SPECIFIED - poolname - IS NOT A SNAPPOL POOL
```

Cause

POOL was specified for a CONFIGPOOL operation. The poolname was valid, but was not a TYPE(SNAPPOL) pool.

Action

EMCSNAP CONFIGPOOL requires a snap device pool to be used. Specify a poolname that is a snap device pool. For operations involving other pool types, refer to SCF documentation for addition support.

ESNPN30E

```
LOGPOOL SPECIFIED - poolname - DOES NOT EXIST
```

Cause

A device cannot be added to this logpool, because the logpool does not exist.

Action

Either ensure that you are operating against the correct storage system, or use a different name.

ESNPN31E

```
MAY NOT ADD DEVICES TO THE DEFAULT POOL
```

Cause

Devices may not be added to the default pool.

Action

Instead of adding devices to the default pool, make them inactive and remove them from the pool that they currently belong to. Removing them from a pool automatically puts them into the default pool.

ESNPN32E

```
NO APPROPRIATE DEVICES FOUND IN RANGE (dev#,dev#) TO BE ADDED TO  
POOL poolname
```

Cause

Any of the following:

1. No snap pool devices in that range.
2. Snap pool devices in the range are already defined to this pool.
3. Snap pool devices in the range are the wrong type (FBA or CKD).

Action

Review the device range.

For (1), specify a different range.

For (2), request was previously processed or specify a different pool.

For (3), specify a different range.

ESNPN33E

```
LOGPOOL poolname IS FBA, RESTRICTED FROM CHANGE
```

Cause

The pool indicated is a pool of FBA devices. The site options table restricts operations from FBA devices. The pool may not be changed.

Action

Either change another pool, or correct the site options table to allow operations on FBA devices.

ESNPN34E

```
LOGPOOL SPECIFIED - poolname - IS NOT A SNAPPOL POOL
```

Cause

POOL was specified for a CONFIGPOOL operation. The poolname was valid, but was not a snap device pool.

Action

EMCSNAP CONFIGPOOL requires a snap device pool to be used. Specify a poolname that is a snap device pool. For operations involving other pool types, refer to SCF documentation for addition support.

ESNPN40E

```
DEVICE RANGE INVALID - LOW DEVICE=dev# HIGH DEVICE=dev#
```

Cause

The low device number must have a value less than or equal to the high device number.

Action

Correct the device number range and try again.

ESNPN41E

```
DEVICE dev# IS ACTIVE IN A POOL
```

Cause

The specified device is active in a pool.

Action

Either change the device status to DISABLE, wait for the device to drain, and try again; or choose a different device.

ESNPN42W

```
DEVICE dev# IS THE WRONG TYPE, IGNORED
```

Cause

An FBA device is being added to a CKD pool, or a CKD device is being added to a FBA pool. This device is ignored.

Action

None.

ESNPN43E

```
DEVICE dev# IS FBA, RESTRICTED FROM CHANGE
```

Cause

The device indicated is an FBA device. The site options table restricts operations from FBA devices. The device may not be changed.

Action

There are several steps you can take. You can change to a different device, or correct the site options table to allow operations on FBA devices.

ESNPN50E

```
LOGPOOL SPECIFIED - poolname - DOES NOT EXIST
```

Cause

A device cannot be removed to this logpool, because the logpool does not exist.

Action

Either ensure that you are operating against the correct storage system, or specify a different name.

ESNPN51E

```
MAY NOT REMOVE DEVICES FROM THE DEFAULT POOL
```

Cause

Devices may not be removed from the default pool.

Action

Instead of removing devices from the default pool, make them inactive and add them to another pool. Adding them to a pool automatically removes them from the default pool.

ESNPN52E

```
NO APPROPRIATE DEVICES FOUND IN RANGE (dev#,dev#) TO BE REMOVED  
FROM POOL poolname
```

Cause

Any of the following:

- No snap pool devices in that range.
- Snap pool devices in the range do not belong to this pool.
- Snap pool devices in the range are the wrong type (FBA or CKD).

Action

Review the device range to see if the request was previously processed. If not then either specify a different range or specify a different pool.

ESNPN53E

```
LOGPOOL poolname IS FBA, RESTRICTED FROM CHANGE
```

Cause

The pool indicated is a pool of FBA devices. The site options table restricts operations from FBA devices. The pool may not be changed.

Action

Either change another pool, or correct the site options table to allow operations on FBA devices.

ESNPN54E

```
LOGPOOL SPECIFIED - poolname - IS NOT A SNAPPPOOL POOL
```

Cause

POOL was specified for a CONFIGPOOL operation. The poolname was valid, but was not

a snap device pool. EMCSNAP CONFIGPOOL requires a snap device pool to be used.

Action

Specify a poolname that is a snap device pool. For operations involving other pool types, refer to the *ResourcePak Base for z/OS Product Guide* for additional support.

ESNPN60E

```
INTERNAL TABLE SIZE EXCEEDED, UNABLE TO PROCESS THIS REQUEST
```

Cause

Internal table of devices to be added in a single request has been exceeded.

Action

Break the range of devices into multiple requests. There is a limit of 16000 devices that can be added or removed from a logpool in a single request.

ESNPN70E

```
LOGPOOL SPECIFIED - poolname - DOES NOT EXIST
```

Cause

A device cannot be disabled in this logpool, because the logpool does not exist.

Action

Either ensure that you are operating against the correct storage system, or specify a different name.

ESNPN71E

```
NO APPROPRIATE DEVICES FOUND IN RANGE (dev#,dev#) TO BE DISABLED  
IN POOL poolname
```

Cause

Either:

1. No SNAPPOOL devices in that range

or

2. SNAPPOOL devices in the range do not belong to this pool.

Action

Review the device range.

For (1), specify a different range.

For (2), specify the correct pool.

ESNPN72E

```
LOGPOOL SPECIFIED - poolname - IS NOT A SNAPPOOL POOL
```

Cause

POOL was specified for a CONFIGPOOL operation. The poolname was valid, but was not a snap device pool.

Action

EMCSNAP CONFIGPOOL requires a snap device pool to be used. Specify a poolname that is a snap device pool. For operations involving other pool types, see the *ResourcePak Base for z/OS Product Guide*.

ESNPN80E

```
LOGPOOL SPECIFIED - poolname - DOES NOT EXIST
```

Cause

A device cannot be enabled in this logpool, because the logpool does not exist.

Action

Either ensure that you are operating against the correct storage system, or specify a different name.

ESNPN81E

```
NO APPROPRIATE DEVICES FOUND IN RANGE (dev#,dev#) TO BE ENABLED IN
POOL poolname
```

Cause

Either no SNAPPOOL devices in that range, or SNAPPOOL devices in the range do not belong to this pool.

Action

Review the device range and either specify a different range or specify the correct pool.

ESNPN82E

```
LOGPOOL SPECIFIED - poolname - IS NOT A SNAPPOOL POOL
```

Cause

POOL was specified for a CONFIGPOOL operation. The poolname was valid, but was not a TYPE(SNAPPOOL) pool.

Action

EMCSNAP CONFIGPOOL requires a SNAPPOOL pool to be used. Specify a poolname that is a SNAPPOOL pool. For operations involving other pool types, see the *ResourcePak Base for z/OS Product Guide*.

ESNPN90E

```
POOL NAME "poolname" CONTAINS AN INVALID CHARACTER
```

Cause

The pool name specified is invalid. The name may only consist of 12 characters: A-Z, 0-9, (dash) and _(underscore). Embedded blanks are not allowed. Trailing blanks are allowed.

Action

Correct the pool name.

ESNPN91I

```
POOL NAME VALID CHARACTERS ARE: A-Z, 0-9, - AND _
```

Cause

This message follows message ESNPN90E or ESNPN92E to identify valid characters.

Action

Refer to the message immediately preceding this message.

ESNPN92E

```
POOL NAME "poolname" CONTAINS AN EMBEDDED BLANK, NOT SUPPORTED
```

Cause

The pool name specified is invalid. The name may only consist of 12 characters: A-Z, 0-9, (dash) and _(underscore). Embedded blanks are not allowed. Trailing blanks are allowed.

Action

Correct the pool name.

ESNPO00E

```
LOGPOOL SPECIFIED - poolname - DOES NOT EXIST
```

Cause

The logpool does not exist.

Action

Either ensure that you are operating against the correct storage system, or specify a different name.

ESNPO10E

```
INDDNAME IS INVALID WHEN THE REMOTE PARAMETER IS SPECIFIED
```

Cause

INDDNAME cannot be specified when the REMOTE parameter is present.

Action

Remove the INDDNAME parameter or the REMOTE parameter.

ESNPO11E

```
SOURCE UNIT IS INVALID WHEN THE REMOTE PARAMETER IS SPECIFIED
```

Cause

SOURCE UNIT cannot be specified when the REMOTE parameter is present.

Action

Remove the SOURCE UNIT subparameter or the REMOTE parameter.

ESNPO12E

```
SOURCE VOLUME IS INVALID WHEN THE REMOTE PARAMETER IS SPECIFIED
```

Cause

SOURCE VOLUME cannot be specified when the REMOTE parameter is present.

Action

Remove the SOURCE VOLUME subparameter or the REMOTE parameter.

ESNPO13E

```
OUTDDNAME IS INVALID WHEN THE REMOTE PARAMETER IS SPECIFIED
```

Cause

OUTDDNAME cannot be specified when the REMOTE parameter is present.

Action

Remove the OUTDDNAME parameter or the REMOTE parameter.

ESNPO14E

```
TARGET UNIT IS INVALID WHEN THE REMOTE PARAMETER IS SPECIFIED
```

Cause

TARGET UNIT subparameter cannot be specified when the REMOTE parameter is present.

Action

Remove the TARGET UNIT subparameter or the REMOTE parameter.

ESNPO15E

```
TARGET VOLUME IS INVALID WHEN THE REMOTE PARAMETER IS SPECIFIED
```

Cause

TARGET VOLUME cannot be specified when the REMOTE parameter is present.

Action

Remove the TARGET VOLUME subparameter or the REMOTE parameter.

ESNPO16E

```
GATEKEEPER VOLUME INFORMATION IS UNAVAILABLE
```

Cause

REMOTE UNIT, VOLUME or DDNAME is missing.

Action

Specify the REMOTE UNIT, VOLUME or DDNAME subparameters.

ESNPO17E

```
CONTROLLER SERIAL NUMBER DOES NOT VERIFY
```

Cause

Subparameter CONTROLLER was specified. The specified serial number does not match the serial number of the remote storage system.

Action

Verify the serial number. If remote, verify the SRDF group path to the remote storage system.

ESNPO18I

```
EXPECTED CONTROLLER SERIAL NUMBER: symm-serial ACTUAL SERIAL  
NUMBER FOUND: symm-serial FOR DEVICE: syndv#
```

Cause

This message immediately follows ESNPO17E and identifies the two serial numbers.

Action

See message ESNPO17E.

ESNPO19I

```
EXPECTED SERIAL NUMBER: symm-serial VERIFIED FOR DEVICE: syndv#
```

Cause

This message indicates that the CONTROLLER subparameter of the REMOTE parameter was specified and that the remote storage system serial number was verified.

Action

None.

ESNPO20E

```
SPECIFIED REMOTE DDNAME ddname IS MISSING
```

Cause

REMOTE DDNAME was specified on the SNAP VOLUME command. The indicated DDNAME is not present in the JCL.

Action

Correct the REMOTE DDNAME clause, or add the appropriate DD statement to the JCL.

ESNPO21E

```
SPECIFIED REMOTE DDNAME ddname HAS CONCATENATED FILES
```

Cause

REMOTE DDNAME was specified on the SNAP VOLUME command. The indicated DDNAME was found to have concatenated files. This is not supported.

Action

Correct the DD statement in the JCL.

ESNPO30E

```
REMOTE DDNAME ddname REFERS TO VOLUME volser NOT VOLUME volser IN THE REMOTE VOLUME PARAMETER
```

Cause

Both the REMOTE DDNAME and REMOTE VOLUME parameters were specified for a SNAP VOLUME command. They point to different devices.

Action

Correct or remove the invalid clause.

ESNPO31I

```
REMOTE DDNAME ddname WAS REQUESTED, FOUND USING VOLUME volser
```

Cause

The REMOTE DDNAME volume has been found and identified.

Action

None.

ESNPO32E

```
REMOTE DDNAME ddname REFERS TO A PERMANENT DATA SET, MUST BE A VOLUME REFERENCE
```

Cause

REMOTE DDNAME was specified on a SNAP VOLUME command. The indicated DDNAME specified DSN=, not just VOL=SER=.

Action

Correct the REMOTE DDNAME DD statement in the JCL.

ESNPO40E

```
EMC SNAP API - REMOTE OPERATION IS NOT SUPPORTED
```

Cause

A remote operation was requested, but that operation is not supported remotely.

Action

Try the operation again without the remote settings.

ESNPO41E

EMC SNAP API - REMOTE OPERATION MUST BE A FULL DEVICE OPERATION

Cause

A remote operation was requested, but it is only supported for full device actions.

Action

Retry the operation on a full device, or retry the operation without the remote settings.

ESNPO42E

EMC SNAP API - LOG POOL REQUESTS REQUIRE 5X71 LEVEL MICROCODE

Cause

Log pool operations are only supported on storage systems running Enginuity 5x71.

Action

Either change to a storage system with the proper operating environment level or upgrade the operating environment in the storage system to a level supporting log pool requests.

ESNPO43E

EMC SNAP API - ERROR OBTAIN LOGPOOL SELLOCK

Cause

An error occurred while acquiring the PowerMax or VMAX log pool lock.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPO44E

EMC SNAP API - XTAPF6AS AND XTAPF6SR MISMATCH

Cause

Parameter error while invoking the TimeFinder low-level API.

Action

Correct the parameters, making sure that XTAPF6AS and XTAPF6SR are correct.

ESNPO45E

EMC SNAP API - XTAPF6SR SET FOR DEVICE THAT IS NOT AN R2 DEVICE

Cause

Parameter error while invoking the SNAP low-level API.

Action

Change XTAPF6SR to correctly identify the device.

ESNPO46E

EMC SNAP API - XTAPF6SR SET, XTAPR1UC/SD/FC ARE EMPTY

Cause

Parameter error while invoking the TimeFinder low-level API.

Action

When XTAPF6SR is specified, XTAPR1UC, XTAPR2SD and XTAPR2FC must also be specified.

ESNPO47E

EMC SNAP API - ERROR SUSPENDING SNOW GROUP

Cause

The TimeFinder API encountered an error while suspending a SRDF/A (snow) group.

Action

Try the operation again. If the problem persists, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPO48E

EMC SNAP API - ERROR RESUMING SNOW GROUP

Cause

The TimeFinder API encountered an error while resuming a SRDF/A (snow) group.

Action

Try the operation again. If the problem persists, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPO49E

EMC SNAP API - WAIT 20 MINUTES FOR B/G COPY TO COMPLETE

Cause

An operation was being attempted that required all background copy activity to complete. After waiting for 20 minutes, the operation failed because the background copy activity had not completed.

Action

Try the operation again. If the problem persists, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPO50E

CONFIGPOOL NOT SUPPORTED ON CONTROLLERS RUNNING MICROCODE PRIOR TO 5X71

Cause

CONFIGPOOL request made against a storage system that is not running Engenuity 5x71 or a later level of the operating environment.

Action

Try the operation on a storage system that supports it or upgrade the operating

environment.

ESNPO51E

```
CONFIGPOOL NO LONGER SUPPORTED IN EMCSNAP, YOU MUST USE THE GPM  
UTILITY
```

Cause

A CONFIGPOOL statement was encountered in the input stream. This statement has been removed from EMCSNAP and is available in the GPM utility.

Action

Run the request again, but use the GPM utility.

ESNPO60E

```
LOCAL DDNAME ddname REFERS TO VOLUME volser NOT VOLUME volser IN  
THE LOCAL VOLUME PARAMETER
```

Cause

Both the LOCAL DDNAME and LOCAL VOLUME parameters were specified for a SNAP VOLUME command. They point to different devices.

Action

Correct or remove the invalid clause.

ESNPO61I

```
LOCAL DDNAME ddname WAS REQUESTED, FOUND USING VOLUME volser
```

Cause

The LOCAL DDNAME volume has been found and identified.

Action

None.

ESNPO62E

```
LOCAL DDNAME ddname REFERS TO A PERMANENT DATA SET, MUST BE A  
VOLUME REFERENCE
```

Cause

LOCAL DDNAME was specified on a SNAP VOLUME command. The indicated DDNAME specified DSN=, not just VOL=SER=.

Action

Correct the LOCAL DDNAME DD statement in the JCL.

ESNPO70E

```
SPECIFIED LOCAL DDNAME ddname IS MISSING
```

Cause

LOCAL DDNAME was specified on the SNAP VOLUME command. The indicated DDNAME is not present in the JCL

Action

Correct the LOCAL DDNAME clause, or add the appropriate DD statement to the JCL.

ESNPO71E

SPECIFIED LOCAL DDNAME *ddname* HAS CONCATENATED FILES

Cause

LOCAL DDNAME was specified on the SNAP VOLUME command. The indicated DDNAME was found to have concatenated files. This is not supported.

Action

Correct the DD statement in the JCL.

ESNPO80E

INDDNAME IS INVALID WHEN THE SYMDV PARAMETER IS ALSO SPECIFIED

Cause

INDDNAME and SOURCE SYMDV are mutually exclusive.

Action

Remove one of the parameters and try the operation again.

ESNPO81E

SOURCE UNIT IS INVALID WHEN THE SYMDV PARAMETER IS ALSO SPECIFIED

Cause

SOURCE UNIT and SOURCE SYMDV are mutually exclusive.

Action

Remove one of the parameters and try the operation again.

ESNPO82E

SOURCE VOLUME IS INVALID WHEN THE SYMDV PARAMETER IS ALSO SPECIFIED.

Cause

SOURCE VOLUME and SOURCE SYMDV are mutually exclusive.

Action

Remove one of the parameters and try the operation again.

ESNPO83E

OUTDDNAME IS INVALID WHEN THE SYMDV PARAMETER IS ALSO SPECIFIED

Cause

OUTDDNAME and TARGET SYMDV are mutually exclusive.

Action

Remove one of the parameters and try the operation again.

ESNPO84E

TARGET UNIT IS INVALID WHEN THE SYMDV PARAMETER IS ALSO SPECIFIED

Cause

TARGET UNIT and TARGET SYMDV are mutually exclusive.

Action

Remove one of the parameters and try the operation again.

ESNPO85E

TARGET VOLUME IS INVALID WHEN THE SYMDV PARAMETER IS ALSO SPECIFIED.

Cause

TARGET VOLUME and TARGET SYMDV are mutually exclusive.

Action

Remove one of the parameters and try the operation again.

ESNPO86E

SOURCE SYMDV REQUIRED, BUT MISSING

Cause

REMOTE or LOCAL parameter was specified and required both the SOURCE and TARGET parameters to specify the SYMDV# of the devices to be used.

Action

Specify the SYMDV# in the SOURCE parameter.

ESNPO87E

TARGET SYMDV REQUIRED, BUT MISSING

Cause

REMOTE or LOCAL parameter was specified and required both the SOURCE and TARGET parameters to specify the SYMDV# of the devices to be used.

Action

Specify the SYMDV# in the TARGET parameter.

ESNPO88E

UNABLE TO SNAP A TDEV DEVICE - *syndv# S/N symm-serial/dev#*,
REQUIRES MICROCODE LEVEL 5x73 OR HIGHER

Cause

The device specified is a TDEV device and may not be snapped.

Action

Choose another device.

ESNPO89E

UNABLE TO SNAP A DISKLESS DEVICE - *syndv# S/N symm-serial/gk*

Cause

The device specified is a diskless device and may not be snapped.

Action

Choose another device.

ESNPO90E

UNABLE TO SNAP A BCV THAT IS NOT READY - *volser S/N symm-serial/syndv#*

Cause

The indicated device is a BCV that is not ready.

Action

Either ready the BCV, or change the request to use a ready device.

ESNPO91E

```
UNABLE TO SNAP AN INTERNAL LOG DEVICE - volser S/N symm-serial/symdv#
```

Cause

The device specified in an internal log device.

Action

Choose another device.

ESNPO92E

```
UNABLE TO SNAP A TDEV DEVICE - volser S/N symm-serial/symdv#
```

Cause

The device specified is a TDEV device and may not be snapped.

Action

Choose another device.

ESNPO93E

```
UNABLE TO SNAP A DDEV DEVICE - volser S/N symm-serial/symdv#
```

Cause

The device specified is a TDEV data device and may not be snapped.

Action

Choose another device.

ESNPO94I

```
BOX symm-serial NOT SUPPORTED WITH MICROCODE level, NEW HOST SOFTWARE NEEDED
```

Cause

The operating environment level installed in the storage system is not supported by this level of host software.

Action

Contact Dell EMC Customer Support for assistance.

ESNPO95E

```
UNABLE TO SNAP A DISKLESS DEVICE - volser S/N symm-serial/symdv#
```

Cause

An attempt to snap a diskless device has failed.

Action

One of the following:

- New operating environment level may be required.
- New host software may be required.
- Contact Dell EMC Customer Support for assistance.

ESNPO96E

```
SELECTED TDEV IS NOT BOUND - volser (S/N symm-serial/symdv#)
```

Cause

A thin device was referenced. Until the device is bound to a pool of log devices, it cannot be used.

Action

Bind the thin device to a log pool and then rerun the action.

ESNPO97E

```
UNABLE TO SNAP AN FBA META DEVICE - volser (S/N symm-serial/symdv#)
```

Cause

An FBA meta device was referenced. EMCSNAP cannot be used with FBA meta devices.

Action

Choose another device.

ESNPO98E

```
UNABLE TO SNAP A SPACE EFFICIENT DEVICE - volser (S/N symm-serial/symdv#)
```

Cause

A space efficient device may not be the source of a snap volume.

Action

Choose another device.

ESNPO99E

```
DEVICE IS NOT DEFINED - volser (S/N symm-serial/symdv#)
```

Cause

The device specified is not a valid device in the storage system.

Action

Choose another device.

ESNPP00E

```
REMOTE TARGET VOLUME (volser symm-serial dv#) MICROCODE LEVEL MUST BE AT LEAST 5X71
```

Cause

A remote request specified a gateway and SRDF group that led to a remote storage system that does not have the operating environment level to support the request.

Action

Either:

- Correct either the gateway device or SRDF group to a more valid combination.
- Upgrade the operating environment in the remote storage system to support remote operations, at least Enginuity 5x71.

ESNPP01E

```
LOCAL TARGET VOLUME (volser) MICROCODE LEVEL MUST BE AT LEAST 5X71
```

Cause

A local request specified a gateway that led to a storage system that does not have the

operating environment level to support the request.

Action

Either:

- Correct either the gateway device to a more valid combination.
- Upgrade the operating environment in the storage system to support these operations, at least Enginuity 5x71.

ESNPP02E

```
TARGET VOLUME REQUIRED, MISSING
```

Cause

A request is specified that requires a target volume, and it is missing.

Action

Add the target parameter to the request.

ESNPP03E

```
TARGET VOLUME (volser) IS IN USE BY SAR
```

Cause

A SNAP VOLUME has specified a target device that is in use by SAR.

Action

Either remove the device from SAR processing or use another device.

ESNPP10E

```
REMOTE VOLUME (volser S/N symm-serial/symdv#) INVALID
```

Cause

The volume is not available.

Action

Either correct the volume identifier or make the volume available.

ESNPP11E

```
LOCAL VOLUME (volser S/N symm-serial/symdv#) INVALID
```

Cause

The volume is not available.

Action

Either correct the volume identifier or make the volume available.

ESNPP12E

```
REMOTE VOLUME (volser S/N symm-serial/symdv#) CANNOT BE A VIRTUAL  
DEVICE
```

Cause

The gatekeeper specified is a virtual device.

Action

Change the gatekeeper device to a non-virtual device.

ESNPP13E

LOCAL VOLUME (*volser S/N symm-serial/symdv#*) CANNOT BE A VIRTUAL DEVICE

Cause

The gatekeeper specified is a virtual device.

Action

Change the device to a non-virtual device.

ESNPP14E

REMOTE VOLUME (*volser S/N symm-serial/symdv#*) IS NOT AN EMC DEVICE

Cause

The gatekeeper specified is not a Dell EMC device.

Action

Change the gatekeeper device to indicate a Dell EMC device in the proper storage system.

ESNPP15E

LOCAL VOLUME (*volser S/N symm-serial/symdv#*) IS NOT AN EMC DEVICE

Cause

The gatekeeper specified is not a Dell EMC device.

Action

Change the gatekeeper device to indicate a Dell EMC device in the proper storage system.

ESNPP16E

REMOTE VOLUME (*volser S/N symm-serial/symdv#*) MICROCODE LEVEL MUST BE AT LEAST 5X71

Cause

A remote request specified a gateway and SRDF group that led to a remote storage system that does not have the operating environment level to support the request.

Action

Either correct either the gateway device or SRDF group to a more valid combination or upgrade the operating environment in the remote storage system to support remote operations, at least Enginuity 5x71.

ESNPP17E

LOCAL VOLUME (*volser S/N symm-serial/symdv#*) MICROCODE LEVEL MUST BE AT LEAST 5X71

Cause

A remote request specified a gateway and SRDF group that led to a local storage system that does not have the operating environment level to support the request.

Action

Either correct either the gateway device or SRDF group to a more valid combination or upgrade the operating environment in the remote storage system to support remote operations, at least Enginuity 5x71.

ESNPP20W

WARNING DATASET *dsname* CONTENTS COPIED FROM SRDF/A SECONDARY DEVICE

or

```
*WARNING* VOLUME CONTENTS COPIED FROM SRDF/A SECONDARY DEVICE
```

Cause

The dataset or volume contents were snapped from an SRDF/A secondary device. If the contents were recently changed on the SRDF/A primary device, the changes may not yet have been propagated to the SRDF/A secondary device. It usually takes two SRDF/A cycles for the data to propagate and to be applied.

The dataset or volume may be just fine. This can be controlled by the SRDFA_R2_SYNC parameter. The parameter description in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* provides additional information.

Action

None.

ESNPP30I

This message lists the following column names in a single row:

- SESSION
- TARGET
- TRACKCNT
- PROT-TRK
- PRECOPY#
- DIFF-CNT
- DIFF-SRC
- DIFF-TGT
- BGCOPY

Cause

A QUERY VOLUME command has been issued requesting detailed information.

This message displays the headings for the detailed display generated by a QUERY VOLUME command. (ESNPP31I includes the data for each of the headings in ESNPP30I).

The meaning of the headings are as follows:

- SESSION - The session identifier.
- TARGET - The volume identifier.
- TRACKCNT - The track count.
- PROT-TRK - Count of tracks that are still protected on the source device. This number should always match IND-TRK (the indirect track count). When all of the tracks have been copied, both PROT-TRK and the indirect track count (IND-TRK) should be zero.
- PRECOPY# - Number of precopy tracks left to be copied.
- DIFF-CNT - The total number of tracks changed on the source and target. This field is only displayed when using the DIFFerential keyword with the SESSION_LIST parameter.
- DIFF-SRC - The total number of tracks changed on the source. This field is only displayed when using the DIFFerential keyword with the SESSION_LIST parameter.
- DIFF-TGT - The total number of tracks changed on the target. This field is only displayed when using the DIFFerential keyword with the SESSION_LIST parameter.
- #PRECOPY - Number of tracks that were copied during a precopy phase; that is, the time between the establish (presnap) and activate. This number should always match

IND-TRK (the indirect track count).

- **ACT** - Indicates that PRECOPY is active and has not completed a whole pass of the source volume. If ACT and ACT/1ST are missing from the report, PRECOPY is not active on the device for that session.
- **ACT/1ST** - Indicates that PRECOPY is active and has completed a whole pass of the source volume. If ACT and ACT/1ST are missing from the report, PRECOPY is not active on the device for that session.
- **BGCOPY** - If set to YES, indicates that a background copy is expected to occur. If set to NO, indicates that a background copy is not expected to occur.

Action

None.

ESNPP31I

```
QUERY VOLUME device data:  
XXXX XXXXXXXX(XXXX) XXXXXXXX XXXXXXXX XXXXXXXX XXXXXXXX
```

Cause

This message displays detailed information about a device specified in a QUERY VOLUME command. This message is always written after ESNPP30I, the headers for this data.

Action

None.

ESNPP32I

```
count DEVICES LISTED
```

Cause

The indicated number of devices were listed in the QUERY VOLUME request.

Action

None.

ESNPP33I

```
count DEVICES SKIPPED, explanation
```

Cause

The indicated number of devices were not listed, according to the reason specified. The explanation can be as follows:

- **OUT OF CCUU RANGE** - The UNIT parameter was used to restrict the list of devices. This number of devices were outside of the range value.
- **OUT OF DEVICE RANGE** - The RANGE parameter was used to restrict the list of devices. This number of devices were outside of the range value.
- **CKD EXCLUDED** - CKD (EXCLUDE) was specified. This number of devices were CKD devices and not listed.
- **FBA EXCLUDED** - FBA (EXCLUDE) was specified. This number of devices were FBA devices and not listed.
- **READY EXCLUDED** - READY (EXCLUDE) was specified. This number of device were READY devices and not listed.

- `NOTREADY EXCLUDED` - `NOTREADY (EXCLUDE)` was specified. This number of device were not `READY` devices and not listed.
- `SNAPPOOL EXCLUDED` - `SNAPPOOL (EXCLUDE)` was specified. This number of device were `SNAPPOOL` devices and not listed.
- `VDEV EXCLUDED` - `VDEV (EXCLUDE)` was specified. This number of device were `VDEV` devices and not listed.
- `OUT OF SIZE RANGE` - The `SIZE` parameter was used to restrict the list of devices. This number of devices were outside of the size value.
- `RAID(NONE) EXCLUDED` - `RAID(ALL)` or `RAID(NONE)` was not specified. This number of `RAID/NA` devices were not listed.
- `RAID(RAIDS) EXCLUDED` - `RAID(ALL)` or `RAID(RAIDS)` was not specified. This number of `RAID S` devices were not listed.
- `RAID(RAID1) EXCLUDED` - `RAID(ALL)` or `RAID(RAID1)` was not specified. This number of `RAID 1` devices were not listed.
- `RAID(RAID5) EXCLUDED` - `RAID(ALL)` or `RAID(RAID5)` was not specified. This number of `RAID 5` devices were not listed.
- `RAID(RAID10) EXCLUDED` - `RAID(ALL)` or `RAID(RAID 1/0)` was not specified. This number of `RAID 1/0` devices were not listed.

Action

None.

ESNPP34I

TOTALS: *nnnnnnnn* TRACKS PROTECTED, AND *nnnnnnnn* TRACKS INDIRECT

Cause

In the preceding list of devices, this message summarizes the total number of protected and indirect tracks.

Action

None.

ESNPP35I

TOTALS: *nnnnnnnn* DIFFERENTIAL TRACKS PENDING

Cause

In the preceding list of devices, this message summarizes the total number of differential tracks pending.

Action

None

ESNPP36I

Query volume extended device data

Cause

This message is the extended query information about a device, including the following:

- Remote device type (`R1`, `R11`, `R21`, `R2`, `R22` or blank)
- Parallel Clone status (`PC` or blank)
- Inhibit Outboard Copy status (`IOC` or blank)

- Hold status (HOLD or blank)
 - PPRC or XRC status (PPRC or XRC)
 - ECA status (ECA)
 - Meta Settings (META-HEAD or META-MBR)
 - Geometry Compatible Mode (GCM) status (YES or NO)
- For each mirror position, the following information is available:

- Configuration status: NCNFG if not configured; R1, R2 or LCL if mirror is configured.
- SRDF information: for remote mirrors, Sync or Async indicator (-S or -A), Adaptive Copy indicator (-ADCOPY and /WPO, /DISK or /WP). RAGROUP value (RAG= (xx)).
- Ready status (RDY or NRDY)
- Read/write status (R/W or R-ONLY)

Action
None.

ESNPP37I

```
SESSION#-TYPE          TARGET          TRACKCNT  PROT-
TRK  PRECOPY          #  BGCOPY  DIFF  PC
```

Cause

This message provides headings to show detailed session information when a QUERY VOLUME command is issued with the SESSION_LIST(DETAIL) parameter specified. (ESNPP31I includes the data for each of the headings in ESNPP37I). SESSION#-TYPE shows the session ID and description. For explanation of other fields, see the description of message ESNPP30I.

Action
None.

ESNPP40I

```
API DEFINE REQUEST PROCESSED
```

Cause

A DEFINE statement was encountered by the API interface.

Action
None.

ESNPP50E

```
SPECIFIED SOURCE_VOLUME_LIST NAME listname HAS NOT BEEN DEFINED
```

Cause

The parameter SOURCE_VOLUME_LIST specifies a name that has not been defined.

Action

Either correct the name to match one that has been defined or add a DEFINE SOURCE_VOLUME_LIST with the appropriate name to this input stream, prior to this request.

ESNPP51E

```
SPECIFIED SOURCE_VOLUME_LIST srcvolistname HAS NO VOLUMES DEFINED
```

Cause

A SOURCE_VOLUME_LIST was referenced on a SNAP DATASET or QUERY DATASET request. The referenced SOURCE_VOLUME_LIST is defined, but does not have any volumes defined.

Action

Either add appropriate volumes to the SOURCE_VOLUME_LIST or correct the SOURCE_VOLUME_LIST name to reference one with volumes defined.

ESNPP60E

```
UNIT FIELD MIXUP, UNEQUAL NUMBER OF LOW AND HIGH VALUES - LOW  
COUNT= nn HIGH COUNT= nn
```

Cause

The UNIT parameter of the DEFINE SOURCE_VOLUME_LIST has an uneven number of subparameters specified.

Action

Correct the UNIT parameter.

ESNPP70I

```
WAITING FOR ACCESS TO DEVICE symmserial/dv#
```

Cause

A request for a VDEV requires exclusive control over the device (from other EMCSNAP activities). An ENQUEUE was issued to obtain exclusive control and found that another EMCSNAP activity was already in progress. This task will wait until the other EMCSNAP activity using the device completed.

Action

None.

ESNPP71E

```
ERROR OCCURRED ISSUING ENQ FOR VDEV symmserial/dv# ENQ RC: nnnn
```

Cause

An ENQUEUE was issued to obtain exclusive control over the requested VDEV. The ENQ encountered an error.

Action

Try the operation again. If the problem persists, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPP80E

```
CLUSTER dsname SELECTED, BUT NO COMPONENTS WERE FOUND
```

Cause

The VSAM cluster was selected for processing, but no components were found on the volumes in the SOURCE_VOLUME_LIST.

Action

Either correct the cluster name or correct the list of volumes to be scanned to include the volumes containing the cluster components.

ESNPP81E

KSDS *dsname* SELECTED, BUT REQUIRED DATA COMPONENT NOT FOUND

Cause

The VSAM KSDS was selected for processing, but the data component was not found on a volume in the SOURCE_VOLUME_LIST.

Action

Correct the list of volumes in the SOURCE_VOLUME_LIST to include the volumes containing the data component for this KSDS.

ESNPP82E

KSDS *dsname* SELECTED, BUT REQUIRED INDEX COMPONENT NOT FOUND

Cause

The VSAM KSDS was selected for processing, but the index component was not found on a volume in the SOURCE_VOLUME_LIST.

Action

Correct the list of volumes in the SOURCE_VOLUME_LIST to include the volumes containing the index component for this KSDS.

ESNPP83E

CLUSTER *dsname* SELECTED, BUT REQUIRED DATA COMPONENT NOT FOUND

Cause

The VSAM cluster was selected for processing, but the data component was not found on a volume in the SOURCE_VOLUME_LIST.

Action

Correct the list of volumes in the SOURCE_VOLUME_LIST to include the volumes containing the data component for this cluster.

ESNPP84E

LAST VOLUME (DS1IND80) NOT FOUND FOR *dsname*

Cause

The dataset was found on one or more volumes, but none of the found pieces has the last volume indicator (DS1IND80) set. The assumption is that not all volumes are present.

- If all volumes are present, z/OS failed to set the DS1IND80 on the last volumes. In this situation, the dataset cannot be snapped until the DS1IND80 indicator is set.
- If not all volumes are present, correct the list of volumes in the SOURCE_VOLUME_LIST to include the missing volumes.

Action

None.

ESNPP85E

VOLUME *nnnn* MISSING FOR DATASET *dsname*

Cause

One or more volumes containing this dataset were found, but the volume sequence has gaps, indicating that some volumes are missing.

Action

Correct the list of volumes in the SOURCE_VOLUME_LIST to include the missing volumes.

ESNPP86E

FIRST VOLUME NOT FOUND FOR *dsname*

Cause

One or more volumes containing this dataset were found, but the first volume is missing.

Action

Correct the list of volumes in the SOURCE_VOLUME_LIST to include the missing volumes.

ESNPP87E

VOLUME *nnnn* MISSING FOR DATASET *dsname*

Cause

One or more volumes containing this dataset were found, but the volume sequence has gaps, indicating that some volumes are missing.

Action

Correct the list of volumes in the SOURCE_VOLUME_LIST to include the missing volumes.

ESNPP88E

NO DATASETS FOUND MATCHING SOURCE MASK: *dsnmask*

Cause

After scanning all volumes provided in the SOURCE_VOLUME_LIST, no datasets were found that match the requested SOURCE dataset name mask.

Action

Either correct the SOURCE dataset name mask or correct the list of volumes in the SOURCE_VOLUME_LIST to include the volumes containing the desired datasets.

ESNPP89I

DATASET: *dsname* FOUND ON VOLUME: *volser*

Cause

While processing a SNAP DATASET request with the SOURCE_VOLUME parameter, the identified dataset was found on the indicated volume.

Action

None.

ESNPP90E

SPECIFIED SOURCE_VOLUME_LIST *listname* WAS NOT FOUND

Cause

The parameter SOURCE_VOLUME_LIST specifies a name that has not been defined.

Action

Either correct the name to match one that has been defined and add a DEFINE SOURCE_VOLUME_LIST with the appropriate name to this input stream, prior to this request.

ESNPP91E

SPECIFIED SOURCE_VOLUME_LIST *listname* HAS NO VOLUMES DEFINED

Cause

The SOURCE_VOLUME_LIST has been defined with no volumes.

Action

Ensure that at least one volume is identified that can be scanned. If the VOLUME parameter was used in the DEFINE SOURCE_VOLUME_LIST command, ensure that volumes with matching volser are available online. If the desired volumes are offline, switch to using the UNIT parameter.

ESNPQ00E

INTERNAL EXTENT TABLE SIZE EXCEEDED, NEEDED: *nnnnn* AVAILABLE: *nnnnn*

Cause

Too many dataset extents are present in a single request. The internal table cannot handle the entire quantity.

Action

Break up the single request into multiple requests. This may involve changing the wild-carding for the source dataset name to restrict it to a smaller group of datasets.

ESNPQ01E

THE COPY CANNOT OCCUR, REASON = *nnn*

Cause

This request requires a data mover to complete, but the devices involved have been specified using the internal device numbers (SYMDV#). Host addressable device addresses must be specified for a datamover.

- 1 - SRDF/A R1 Physical copy required.
- 2 - SRDF/A R1 Data mover copy required.
- 3 - SRDF/S R1 Physical copy required.
- 4 - SRDF/S R1 Data mover copy required.
- 5 - Source and target in different storage systems, datamover required.
- 6 - Data migration in progress, datamover required.
- 7 - Source is a VM minidisk, datamover required.
- 8 - Target is a VM minidisk, datamover required.
- 9 - Target is a XRC source device, datamover required.
- 10 - Target is a concurrent copy source device, datamover required.
- 11 - Source is a Dell EMC device.
- 12 - Source and target are in non-Dell EMC storage system with Snapshot available. Snapshot will be used.
- 13 - Source and target are in non-Dell EMC storage system with FlashCopy available. FlashCopy will be used.
- 14 - Source and target are in non-Dell EMC storage system with FlashCopy 2 available. FlashCopy 2 will be used.
- 15 - Source and target are in Dell EMC storage system with Dell EMC Native FlashCopy available. Dell EMC Native FlashCopy will be used.
- 16 - Source or target device is a virtual device, datamover required.
- 17 - Source or target device is a virtual device that has not been established. The

virtual device must be established before it can be used.

- 18 - STOP SNAP to a virtual device. Not allowed.
- 19 - Dell EMC device with FlashCopy active on the device, FlashCopy will be used.
- 20 - Device with FlashCopy 2 active on the device, FlashCopy 2 will be used.
- 21 - Dell EMC device with native snap or clone active on the device, native snap or clone will be used.
- 22 - Dell EMC device with no current activity, FlashCopy is requested and will be used.
- 23 - Device with no current activity, FlashCopy 2 is requested and will be used.
- 24 - Device with no current activity, native snap or clone will be used.
- 25 - Operating environment level supports native snap or clone.
- 26 - Operating environment level 5x65 or earlier, source not a STD device, internal EMCCOPY will be used.
- 27 - Operating environment level 5x65 or earlier, target is not a BCV device, internal EMCCOPY will be used.
- 28 - Operating environment level 5x65 or earlier, source is a STD device, target is a BCV device. Native snap will be used.
- 29 - Source is a thin device, datamover required.
- 30 - Target is a thin device, datamover required.
- 31 - SAR is using a device, datamover required.
- 245 - Internal extent table too small.
- 246 - End of target extents.
- 247 - Source dataset processing complete.
- 248 - End of source extents.
- 249 - No target extents.
- 250 - No source extents.
- 251 - Logical copy required.
- 252 - Target volume bad.
- 253 - Source volume bad.
- 254 - Not a real dataset/volume.
- 255 - Allocation failed.

Action

Change the request to use either volser or ccuu specification and submit again.

ESNPQ02E

A DATAMOVER IS REQUIRED TO COPY THIS DATA, BUT A DATAMOVER REQUIRES ADDRESSABLE DEVICES.

Cause

This message is a continuation of message ESNPQ01E.

Action

See ESNPQ01E.

ESNPQ03E

A UNBOUND VIRTUAL DEVICE IS REFERENCED WITHOUT THE VDEV KEYWORD

Cause

A virtual device was referenced without specifying the VDEV keyword.

Action

Typically, the TARGET parameter was used to specify a virtual device. A virtual device must be referenced with the VDEV parameter. Change the TARGET to VDEV and retry the operation.

ESNPQ04E

DATAMOVER REQUIRED WHEN DEVICE HAS ACTIVE XRC SESSION

Cause

A device has an active XRC session. The operating environment cannot be used with XRC devices. A datamover must be specified to copy the data.

Action

Rerun the request and specify a datamover name.

ESNPQ05I

SOURCE DEVICE NOT RDF DEVICE, PARALLEL CLONE IGNORED

Cause

PARALLEL CLONE require both the source and target device to be SRDF/S R1 devices in the same storage system, with the corresponding R2 devices together in another storage system.

Action

Choose one of the following two actions:

- Correct the source device to refer to a SRDF/S R1 device.
- No action required.

ESNPQ06I

TARGET DEVICE NOT RDF DEVICE, PARALLEL CLONE IGNORED

Cause

PARALLEL CLONE require both the source and target device to be SRDF/S R1 devices in the same storage system, with the corresponding R2 devices together in another storage system.

Action

Choose one of the following two actions:

- Correct the target device to refer to a SRDF/S R1 device.
- No action required.

ESNPQ07I

SOURCE AND TARGET ARE RDF DEVICES, BUT NOT AVAILABLE FOR PARALLEL CLONE

Cause

PARALLEL CLONE require both the source and target device to be SRDF/S R1 devices in the same storage system, with the corresponding R2 devices together in another storage system.

Action

Choose one of the following two actions:

- Correct the source and target device to refer to a SRDF/S R1 device.
- No action required.

ESNPQ08I

```
TARGET R1 DEVICE, NOCOPY NOT ALLOWED - volser (S/N symm-serial/symdv#)
```

Cause

MODE(NOCOPY) or MODE(NOCOPYRD) was specified and the statement targets a SRDF R1 device. NOCOPY prevents the data from being physically copied to the R1 device, and thus the R2 device. MODE(NOCOPY) or MODE(NOCOPYRD) will be ignored in this situation.

Action

None.

ESNPQ09E

```
VIRTUAL DEVICE CANNOT BE USED WITH XRC DEVICE
```

Cause

A device has an active XRC session. The operating environment cannot be used with XRC devices.

Action

Choose another device.

ESNPQ10W

```
CONTROLLER MICROCODE WILL BE USED TO COPY DATA TO A SRDF/A R1 DEVICE
```

Cause

This is a warning that the operating environment will be used to copy data to a SRDF/A R1 device. This may be a consideration since the actual track copy will occur in the background and may not be reflected on the SRDF/A R2 device for several cycles.

Action

Any of the following:

- If this is suitable, no action is required.
- If this is not suitable, choose another type of target device.
- Refer to the SRDFA_R1_TARGET parameter for additional choices, including using a physical copy instead of the operating environment.

ESNPQ11E

```
CONTROLLER MICROCODE MAY NOT BE USED TO COPY DATA TO A SRDF/A R1 DEVICE
```

Cause

The parameter SRDFA_R1_TARGET(NO) has been specified, restricting SRDF/A R1 devices from being the target of a TimeFinder action.

Action

Either choose another type or target device, or refer to the SRDFA_R1_TARGET parameter for additional choices, including using a physical copy instead of the operating

environment.

ESNPQ12W

```
CONTROLLER MICROCODE WILL BE USED TO COPY DATA TO A SRDF/S R1
DEVICE
```

Cause

This is a warning that the operating environment will be used to copy data to a SRDF/S R1 device. This may be a consideration since the actual track copy will occur in the background and may not be reflected on the SRDF/S R2 device for some period of time.

Action

Any of the following:

- If this is suitable, no action is required.
- If this is not desirable, choose another type of target device.
- Refer to the SRDFS_R1_TARGET parameter for additional choices, including using a physical copy instead of the operating environment.

ESNPQ13E

```
CONTROLLER MICROCODE MAY NOT BE USED TO COPY DATA TO A SRDF/S R1
DEVICE
```

Cause

The parameter SRDFS_R1_TARGET(NO) has been specified, restricting SRDF/S R1 devices from being the target of a TimeFinder action.

Action

Either choose another type or target device or refer to the SRDFS_R1_TARGET parameter for additional choices, including using a physical copy instead of the operating environment.

ESNPQ14I

```
CONTROLLER MICROCODE WILL BE USED TO COPY DATA TO A SRDF/A R1
DEVICE
```

Cause

This is a notice that the operating environment will be used to copy data to a SRDF/A R1 device. This may be a consideration since the actual track copy will occur in the background and may not be reflected on the SRDF/A R2 device for several cycles.

Action

Any of the following:

- If this is suitable, no action is required.
- If this is not desirable, choose another type of target device.
- Refer to the SRDFA_R1_TARGET parameter for additional choices, including using a physical copy instead of the operating environment.

ESNPQ15I

```
CONTROLLER MICROCODE WILL BE USED TO COPY DATA TO A SRDF/S R1
DEVICE
```

Cause

This is a notice that the operating environment will be used to copy data to a SRDF/S R1

device. This may be a consideration since the actual track copy will occur in the background and may not be reflected on the SRDF/S R2 device for some period of time.

Action

Any of the following:

- If this is suitable, no action is required.
- If this is not desirable, choose another type of target device.
- The description of the SRDFS_R1_TARGET parameter in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* discusses additional choices.

ESNPQ16I

```
BOTH SOURCE AND TARGET MUST BE THIN FBA DEVICES FOR MODE(VSE) ,  
MODE(NOCOPYRD) ASSUMED OTHERWISE
```

Cause

MODE(VSE) is used for thin devices with shared allocation. MODE(VSE) requires that both devices be thin FBA devices.

Action

None.

ESNPQ17I

```
MODE(VSE) IS NOT ALLOWED TO TARGET AN ACTIVE R1 OR R2 DEVICE
```

Cause

MODE(VSE) is not supported on active R1 or R2 devices.

Action

This is ignored and MODE(COPY) is used with active R1 and R2 devices.

ESNPQ20I

```
DATASET dsname SELECTED DUE TO LOGINDYNAM/SELECTMULTI PROCESSING
```

Cause

The LOGINDYNAM parameter was specified with a list of volumes. The indicated dataset was selected for processing because it is contained on one (or more) of the volumes.

Action

None.

ESNPQ21I

```
DATASET dsname BYPASSED DUE TO LOGINDYNAM/SELECTMULTI PROCESSING
```

Cause

The LOGINDYNAM parameter was specified with a list of volumes. The indicated dataset was not selected for processing because it does not meet the SELECTMULTI criteria for dataset selection.

Action

Either this is an informational message and it may be the desired outcome that this dataset is not selected for processing, or if the dataset was intended to be selected for processing, refer to the LOGINDYNAM list of volumes and the SELECTMULTI parameter for processing options.

ESNPQ30E

SOURCE UNIT RANGE IS INVALID, LOW VALUE *nn* IS GREATER THAN HIGH VALUE *nn*

Cause

The SOURCE UNIT was specified as a range, and the low value is greater than the high value.

Action

Correct the SOURCE UNIT parameter.

ESNPQ31E

SOURCE UNIT RANGE IS INVALID, TOO MANY DEVICES IN RANGE, MUST LIMIT TO 256

Cause

The SOURCE UNIT was specified as a range, and more than 256 devices are in the range.

Action

Break the statement into multiple statements, each limited to 256 devices.

ESNPQ32E

TARGET UNIT RANGE IS INVALID, LOW VALUE *nn* IS GREATER THAN HIGH VALUE *nn*

Cause

The TARGET UNIT was specified as a range, and the low value is greater than the high value.

Action

Correct the TARGET UNIT parameter.

ESNPQ33E

TARGET UNIT RANGE IS INVALID, TOO MANY DEVICES IN RANGE, MUST LIMIT TO 256

Cause

The TARGET UNIT was specified as a range, and more than 256 devices are in the range.

Action

Break the statement into multiple statements, each limited to 256 devices.

ESNPQ34E

SOURCE AND TARGET UNIT RANGE MUST COVER THE SAME NUMBER OF DEVICES, SOURCE: *nn* TARGET: *nn*

Cause

Both the SOURCE UNIT and TARGET UNIT were specified. One or both specified a range of devices, but not the same number of devices.

Action

Correct the SOURCE UNIT and TARGET UNIT to indicate the same number of devices.

ESNPQ40E

SOURCE SYMDV# RANGE IS INVALID, LOW VALUE *nn* IS GREATER THAN HIGH VALUE *nn*

Cause

The SOURCE SYMDV# was specified as a range, and the low value is greater than the high value.

Action

Correct the SOURCE SYMDV# parameter.

ESNPQ41E

```
SOURCE SYMDV# RANGE IS INVALID, TOO MANY DEVICES IN RANGE, MUST  
LIMIT TO count
```

Cause

The SOURCE SYMDV# was specified as a range, and more than the indicated count of devices are in the range.

Action

Break the statement into multiple statements, each limited to the indicated count of devices.

ESNPQ42E

```
TARGET SYMDV# RANGE IS INVALID, LOW VALUE nn IS GREATER THAN HIGH  
VALUE nn
```

Cause

The TARGET SYMDV# was specified as a range, and the low value is greater than the high value.

Action

Correct the TARGET SYMDV# parameter.

ESNPQ43E

```
TARGET SYMDV# RANGE IS INVALID, TOO MANY DEVICES IN RANGE, MUST  
LIMIT TO 1024
```

Cause

The TARGET SYMDV# was specified as a range, and more than 1024 devices are in the range.

Action

Break the statement into multiple statements, each limited to 1024 devices.

ESNPQ44E

```
SOURCE AND TARGET SYMDV# RANGE MUST COVER THE SAME NUMBER OF  
DEVICES, SOURCE: nn TARGET: nn
```

Cause

Both the SOURCE SYMDV# and TARGET SYMDV# were specified. One or both specified a range of devices, but not the same number of devices.

Action

Correct the SOURCE SYMDV# and TARGET SYMDV# to indicate the same number of devices.

ESNPQ50E

```
UNIT RANGE MAY NOT BE INTERMIXED WITH VOLSER SPECIFICATIONS
```

Cause

UNIT (with a range) and volser were both specified together.

Action

Either:

- If UNIT range is desired, remove the VOLSER parameter.
- If UNIT range is not desired, remove the range from the UNIT parameter.

ESNPQ51E

UNIT RANGE MAY NOT BE INTERMIXED WITH NEWVOLID SPECIFICATIONS

Cause

UNIT (with a range) and NEWVOLID were both specified together.

Action

Either:

ESNPQ52E

GROUP DEFINITION MISSING "END GROUP" STATEMENT

Cause

A GROUP was being defined, and EOF was encountered. The GROUP is missing the END GROUP statement.

Action

Add an END GROUP statement and rerun the GROUP definition.

ESNPQ53E

SYMDV# HAS BEEN DISALLOWED FOR USE BY SITE ADMINISTRATOR

Cause

A request is made which uses the SYMDV# parameter. This parameter has been disallowed for use by the site administrator.

Action

Either change the SYMDV# to either UNIT or VOLUME or enable the use of SYMDV# in the site options table (EMCSNAPO).

ESNPQ54E

%INCLUDE ONLY ALLOWED IN A GROUP

Cause

An %INCLUDE statement has been encountered outside of a group definition. It is only allowed within a group definition.

Action

Build a new group with the %INCLUDE statement and then execute that group.

ESNPQ55I

AUTOMATIC_ACTIVATE ADDED TO REQUEST STREAM FOLLOWING STATEMENT
stmt#

Cause

AUTOMATIC_ACTIVATE(YES) is specified and a series of SNAP VOLUME statement have been encountered. An ACTIVATE statement has been generated and added to the

request stream following the indicated statement.

Action

None.

ESNPQ56I

THE FOLLOWING STATEMENT IS PROVIDED AS A SITE GLOBAL STATEMENT

Cause

A site REXX exit has supplied a default GLOBAL statement.

Action

None.

ESNPQ57I

SITE GLOBAL STATEMENT COMPLETE

Cause

This appears after a site REXX exit has supplied a default GLOBAL statement.

Action

None.

ESNPQ58I

SPECIAL LDMF INVOCATION

Cause

This appears in the EMCSNAP log file when the invoker is LDMF (z/OS Migrator).

Action

None.

ESNPQ60I

API QUERY GROUP REQUEST PROCESSED

Cause

A QUERY GROUP statement was encountered by the API interface.

Action

None.

ESNPQ70I

PROCESSING FOR STATEMENT *stmt#* BEGINNING, QUERY GROUP REQUEST [FOR GROUP *grpname*]

Cause

Processing of the QUERY GROUP statement is beginning.

Action

None.

ESNPQ71I

PROCESSING FOR STATEMENT *stmt#* COMPLETED, HIGHEST RETURN CODE ENCOUNTERED IS *rc*

Cause

Processing of the QUERY GROUP statement has completed.

Action

None.

ESNPQ72W

NO GROUPS FOUND

Cause

The QUERY GROUP statement identified a particular group to be listed. That group was not found.

Action

Correct the group name.

ESNPQ73I

GROUPNAME - STATUS - DESCRIPTION

Cause

This is a title line for a QUERY GROUP statement. The group name, status and description will be listed.

Action

None.

ESNPQ74E

ERROR VALIDATING GROUP - CODE = *code*

Cause

An error was encountered when validating a group name.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPQ75E

GROUP NOT FOUND, UNABLE TO LIST

Cause

The group was not found in the group dataset.

Action

Either ensure that the group does exist or ensure that the correct group dataset is being used.

ESNPQ80E

UNIT RANGE INVALID, LOW UNIT IS GREATER THAN HIGH UNIT - LOW:
ccuu HIGH: *ccuu*

Cause

The SOURCE_VOLUME has a UNIT range specified that is improper. The low unit value is greater than the high unit value.

Action

Correct the UNIT range.

ESNPQ90I

```
PROCESSING FOR STATEMENT stmt# BEGINNING, DEFINE GROUP grpname
```

Cause

Processing of the DEFINE GROUP statement is beginning.

Action

None.

ESNPQ91I

```
PROCESSING FOR STATEMENT stmt# COMPLETED, HIGHEST RETURN CODE  
ENCOUNTERED IS rc
```

Cause

Processing of the DEFINE GROUP statement has completed.

Action

None.

ESNPQ92E

```
GROUP grpname ALREADY EXISTS AND REPLACE(YES) NOT SPECIFIED
```

Cause

The group being defined already exists and the REPLACE parameter was not used to allow replacement of an existing group.

Action

Either change the group name to a new name that does not exist or add the REPLACE(YES) parameter to allow the existing group definition to be replaced.

ESNPQ93E

```
GROUP grpname STATUS PREVENTS IT FROM BEING REPLACED - status
```

Cause

The group being defined already exists, and the status of the group prevents it from being replaced.

Action

This means that the existing group has been partially executed. Changing the group definition will affect the ability of the existing group devices to be processed correctly. The best activity that can be performed at this time is to run a series of statement against the group in order to ensure that the devices end up in an appropriate condition.

- Run SNAP VOLUME against the group with PRESNAP(YES) POSTSNAP(YES) in order to allow existing snaps to be completed.
- Run STOP SNAP TO VOLUME, CLEANUP VOLUME and CONFIG (READY(YES)RELEASE(YES)) against the group in order to completely reset the source and target devices to a usable condition.
- Rerun the DEFINE GROUP and specify the FORCE(YES) parameter. This will also reset the group status and may adversely affect the next series of requests run against the devices.

ESNPQ94E

MEMBER *mbrname* FOUND, BUT IT IS NOT A VALID GROUP MEMBER

Cause

The group being defined already exists in the group library, but it is not a valid group member.

Action

Either remove the member from the group library or change the group name to a member that does not exist in the group library.

ESNPR00E

EMC SNAP API - SOURCE VOLUME SPECIFIED, NOT ALLOWED

Cause

The underlying API has detected a request that includes a source volume specification, and it is not allowed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPR01E

EMC SNAP API - TARGET VOLUME SPECIFIED, NOT ALLOWED

Cause

The underlying API has detected a request that includes a target volume specification, and it is not allowed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPR02E

EMC SNAP API - SESSION PENDING ACTIVATE NOT FOUND

Cause

The underlying API has detected a request to ACTIVATE with PRESNAP(NO) but was unable to find a session on the device pair that was in the pending activate condition.

Action

Change the ACTIVATE GROUP to include the PRESNAP(YES).

ESNPR03E

EMC SNAP API - XTAPSFC1 MISSING, REQUIRED FOR XTAPF3DV

Cause

The underlying API has detected that a required field (XTAPSFC1) is missing. If field XTAPF3DV is used, XTAPSFC1 must be supplied.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPR04E

```
EMC SNAP API - XTAPTFC1 MISSING, REQUIRED FOR XTAPF3DV
```

Cause

The underlying API has detected that a required field (XTAPTFC1) is missing. If field XTAPF3DV is used, XTAPTFC1 must be supplied.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPR05E

```
EMC SNAP API - PERSISTENT RESTORE REQUIRED FOR MICROCODE LEVELS >= 5X72
```

Cause

The underlying API has detected that the storage system is running Enginuity 5772 or a later level of the operating environment and standard VDEV restore is not supported.

Action

Persistent RESTORE is required for Enginuity 5772 and later levels of the operating environment.

ESNPR06E

```
EMC SNAP API - TARGET HAS TF/CLONE EMULATION SESSION
```

Cause

The underlying API has detected that the target device has an active TF/Clone emulation session. Full device SNAP VOLUME does not support targeting a device involved in TF/Clone Emulation.

Action

Use TF/Mirror to remove the TF/Clone Emulation session (DELINC).

ESNPR07E

```
EMC SNAP API - TARGET HAS FLASHCOPY SESSION
```

Cause

The underlying API has detected that the target device has an active FlashCopy session.

Action

Wait for the active FlashCopy to terminate, then reattempt the full device SNAP VOLUME.

ESNPR08E

```
EMC SNAP API - SOURCE IS AN ACTIVE CLONE EMULATION BCV
```

Cause

The source device is a member of a TF/Mirror, Clone Emulation session.

Action

Either choose another device or terminate the Clone Emulation session and try again.

ESNPR09E

```
EMC SNAP API - TARGET IS AN ACTIVE CLONE EMULATION BCV
```

Cause

The target device is a member of a TF/Mirror, Clone Emulation session.

Action

Either choose another device or terminate the Clone Emulation session and try again.

ESNPR10E

```
MULTIPLE VOLUME ## FOUND FOR DATASET dsname
```

Cause

While processing a SNAP DATASET with SOURCE_VOLUME specified, the dataset indicated was found on multiple volumes. Additionally, the volume VTOC indicates that the same relative volume sequence of the dataset resides on both volumes.

Action

Message ESNPR11I immediately following this message, indicating the two volumes involved. In order to process this dataset, one of the volumes must be removed from the SOURCE_VOLUME list.

ESNPR11I

```
(1) VOLUME: volser (2) VOLUME: volser
```

Cause

This message identifies the two volumes for message ESNPR10E.

Action

Refer to the error message before this message in the log for processing directions.

ESNPR12E

```
OVERLAPPING RBA VALUES FOUND FOR DATASET dsname
```

Cause

While processing a SNAP DATASET with SOURCE_VOLUME specified, the dataset indicated was found on multiple volumes. Additionally, the volume VVDS indicates that the same relative RBA values of the dataset resides on multiple volumes.

Action

In order to process this dataset, one of the volumes must be removed from the SOURCE_VOLUME list and the request retried.

ESNPR13I

```
PROBABLE EXTRA VOLUMES WITH DATASET dsname SCANNED
```

Cause

This message follows ESNPR12E.

Action

Refer to message ESNPR12E.

ESNPR20I

grpname status - description

Cause

This message follows ESNPQ7I and identifies a group, along with the current status and description for the group.

Action

None.

ESNPR21I

LIST(HISTORY) REQUESTED, NONE FOUND

Cause

A QUERY GROUP is being processed which has the LIST(HISTORY) parameter specified. No history was found for this group.

Action

None.

ESNPR22I

HISTORY: RC DATE / TIME OLD STAT STATUS LPAR

Cause

This is a title line put out because LIST(HISTORY) was specified for a QUERY GROUP.

Action

None.

ESNPR23I

message-text

Cause

This is the detail history recorded for a group and follows ESNPR22I. By default, only the last 100 actions executed against the group will be retained and available for display.

Action

None.

ESNPR24I

LIST(STATEMENTS) REQUESTED, NONE FOUND

Cause

A QUERY GROUP is being processed which has the LIST(STATEMENTS) parameter specified. No statement were found for this group.

Action

None.

ESNPR25I

statements:

Cause

A QUERY GROUP is being processed which has the LIST(STATEMENTS) parameter

specified. The statements for this group will follow and are identified in message ESNPR26I.

Action

None.

ESNPR26I

```
+ statement
```

Cause

A QUERY GROUP is being processed which has the LIST(STATEMENTS) parameter specified. These are the statements.

Action

None.

ESNPR30I

```
API DELETE GROUP REQUEST PROCESSED
```

Cause

A DELETE GROUP command was encountered by the API interface.

Action

None.

ESNPR40I

```
PROCESSING FOR STATEMENT stmt# BEGINNING, DELETE GROUP grpname
```

Cause

Processing of the DELETE GROUP command is beginning.

Action

None.

ESNPR41I

```
PROCESSING FOR STATEMENT stmt# COMPLETED, HIGHEST RETURN CODE  
ENCOUNTERED IS rc
```

Cause

Processing of the DELETE GROUP command has completed.

Action

None.

ESNPR42E

```
GROUP grpname STATUS PREVENTS IT FROM BEING DELETED - status
```

Cause

The group being deleted was found, and the status of the group prevents it from being replaced.

Action

This means that the existing group has been partially executed. Deleting the group definition will affect the ability of the existing group devices to be processed correctly. The best activity that can be performed at this time is to run a series of statement against the group in order to ensure that the devices end up in an appropriate condition. Take any

of the following steps:

- Run SNAP VOLUME against the group with PRESNAP(YES) POSTSNAP(YES) in order to allow existing snaps to be completed.
- Run STOP SNAP TO VOLUME, CLEANUP VOLUME and CONFIG (READY(YES)RELEASE(YES)) against the group in order to completely reset the source and target devices to a usable condition.
- Rerun the DELETE GROUP and specify the FORCE(YES) parameter. This may adversely affect the next series of requests run against the devices.

ESNPR43E

```
MEMBER mbrname FOUND, BUT IT IS NOT A VALID GROUP MEMBER
```

Cause

The group identified member was found in the group library, but it is not a valid group member.

Action

Either manually remove the member from the group library or correct the group name.

ESNPR44E

```
UNABLE TO DELETE MEMBER mbrname
```

Cause

Attempt to remove the member from the dataset failed. The STOW macro is used, and it failed.

Action

Rerun the request with a DEBUG(ALL) statement and forward the output to the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPR45I

```
MEMBER mbrname SUCCESSFULLY DELETED
```

Cause

The DELETE GROUP request was successful.

Action

None.

ESNPR46E

```
ERROR VALIDATING GROUP - CODE = code
```

Cause

An error was encountered when validating a group name.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPR47E

GROUP NOT FOUND, UNABLE TO DELETE

Cause

The group was not found in the group dataset.

Action

Ensure that the group does exist and that the correct group dataset is being used.

ESNPR50I

=====> ACTION TRANSLATED TO CLEANUP

Cause

The CLEANUP with GROUP included this statement from the group syntax. The original SNAP VOLUME statement has been translated to a CLEANUP statement for processing.

Action

None.

ESNPR51I

=====> ACTION TRANSLATED TO CONFIG

Cause

The CONFIG with GROUP included this statement from the group syntax. The original SNAP VOLUME statement has been translated to a CONFIG statement for processing.

Action

None.

ESNPR52I

=====> ACTION TRANSLATED TO DESTROY

Cause

The DESTROY with GROUP included this statement from the group syntax. The original SNAP VOLUME command has been translated to a DESTROY statement for processing.

Action

None.

ESNPR53I

=====> ACTION TRANSLATED TO STOP VOLUME

Cause

The STOP VOLUME with GROUP included this statement from the group syntax. The original SNAP VOLUME command has been translated to a STOP VOLUME command for processing.

Action

None.

ESNPR54I

=====> ACTION TRANSLATED TO SNAP VOLUME

Cause

The SNAP VOLUME with GROUP included this statement from the group syntax. The original SNAP VOLUME statement has been translated to a SNAP VOLUME statement for processing.

Action

None.

ESNPR55I

```
===== > ACTION TRANSLATED TO QUERY VOLUME
```

Cause

The QUERY VOLUME with GROUP included this statement from the group syntax. The original SNAP VOLUME statement has been translated to a SNAP VOLUME statement for processing.

Action

None.

ESNPR56I

```
===== > ACTION TRANSLATED TO "CREATE"
```

Cause

The original statement has been translated to a CREATE statement for processing.

Action

None.

ESNPR57I

```
===== > ACTION TRANSLATED TO "LINK"
```

Cause

The original statement has been translated to a LINK statement for processing.

Action

None.

ESNPR58I

```
===== > ACTION TRANSLATED TO "UNLINK"
```

Cause

The original statement has been translated to an UNLINK statement for processing.

Action

None.

ESNPR59I

```
===== > PARAMETER fieldname ASSUMED FROM GROUP INVOCATION
```

Cause

The identified parameter was specified on the original statement that included this group statement. The parameter has been added to this statement for processing.

Action

None.

ESNPR60E

```
GROUP grpname NOT FOUND, INCLUDE ABORTED
```

Cause

A statement with GROUP parameter specified a group that was not found in the group dataset.

Action

Correct the group name and rerun the request.

ESNPR61E

```
GROUP SUPPORT NOT AVAILABLE, NO GROUP LIBRARIES DEFINED
```

Cause

A statement with GROUP parameter specified a group. No group libraries have been defined.

Action

Provide a group library using any of the following:

- Site options table
- //EMCGROUP DD statement
- GLOBAL GROUP_DATASET_NAME parameter.

ESNPR62E

```
GROUP grpname IS REFERENCED IN THE SAME STEP WHERE IT IS ALSO  
DEFINED/DELETED
```

Cause

A group is being referenced in the same step where it is also defined or delete. This is a problem because a group reference is expanded at parse time, but the DEFINE GROUP or DELETE GROUP is performed at processing time. This means that the group reference will get the contents of the group at the beginning of the step, before the DEFINE GROUP or DELETE GROUP is processed.

Action

Separate the DEFINE GROUP or DELETE GROUP into a different jobstep. This will ensure that the desired group contents will be used by the group reference.

ESNPR70I

```
PROCESSING FOR STATEMENT stmt# BEGINNING, GROUP PROCESSING
```

Cause

A statement with GROUP parameter was parsed. This is the beginning of the processing for this statement and the groups.

Action

None.

ESNPR71I

```
PROCESSING FOR STATEMENT stmt# COMPLETED, HIGHEST RETURN CODE  
ENCOUNTERED IS rc
```

Cause

A statement with GROUP parameter was parsed. Processing of this statement has completed.

Action

None.

ESNPR72S

GROUP *grpname* NOT FOUND, EXECUTION ABORTED

Cause

A statement with GROUP parameter was parsed. At that time, the group was found in the group dataset. At this time, the group is being executed, and it is no longer found in the group dataset.

Action

Review the sequence of events, ensure that the group being executed was not deleted from the group dataset.

ESNPR73I

GROUP *grpname* STATUS CHECKED (*status*) AND FOUND TO BE APPROPRIATE FOR THIS ACTION

Cause

A statement with GROUP parameter was parsed. The current status of the group allows the group to be processed.

Action

None.

ESNPR74E

GROUP *grpname* STATUS CHECKED (*status*) AND FOUND TO BE INAPPROPRIATE FOR THIS ACTION

Cause

A statement with GROUP parameter was parsed. The current status of the group prevents the group to be processed.

Action

Check the device status of the group. The description of the GROUP commands in the *TimeFinder/Clone Mainframe Snap Facility Product Guide* includes a table that shows group statuses.

ESNPR75E

ACTION TO PERFORM NOT RECOGNIZED: *action*

Cause

An action to be performed against a group is not recognized by the group manager.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPR76E

GROUP STATUS VALUE NOT RECOGNIZED: *status*

Cause

An existing group has a status value that is not recognized.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the

SYSLOG, the job log, and all relevant job documentation available.

ESNPR77I

```
PROCESSING BYPASSED DUE TO PREPARE_FOR_SNAP(YES) OPTION
```

Cause

PREPARE_FOR_SNAP(YES) is specified and all action processing is bypassed.

Action

Run again without PREPARE_FOR_SNAP(YES) for processing to occur.

ESNPR78I

```
=====> ACTION TRANSLATED TO "TERMINATE"
```

Cause

The original statement has been translated to a TERMINATE statement for processing.

Action

None.

ESNPR80S

```
GROUP grpname CRC ERROR, EXPECTED: crc FOUND: crc
```

Cause

A CRC check of the group member contents failed.

Action

Delete the group, this may require manual removal of the group members from the group dataset. Then, define the group again. This may occur if the group member is edited or changed without using the DEFINE GROUP command.

ESNPR90S

```
GROUP grpname CRC ERROR, EXPECTED: crc FOUND: crc
```

Cause

A CRC check of the group member contents failed.

Action

Delete the group, this may require manual removal of the group members from the group dataset. Then, define the group again. This may occur if the group member is edited or changed without using the DEFINE GROUP command.

ESNPS00I

```
PROCESSING FOR STATEMENT stmt# BEGINNING, END GROUP PROCESSING FOR  
GROUP grpname
```

Cause

Processing an END GROUP command is beginning. This will be updating the status for the group that just finished execution.

Action

None.

ESNPS01I

```
PROCESSING FOR STATEMENT stmt# COMPLETED, HIGHEST RETURN CODE
```

ENCOUNTERED IS *rc*

Cause

Processing of this statement has completed.

Action

None.

ESNPS10I

RESULTS OF EMCALLOC PASS #*nn*

Cause

When an allocation fails using extent allocation, certain statistics will be returned and printed to aid in determining why the allocation failed. There are multiple passes in extent allocation, and any pass with non-zero statistics will have that information printed.

Action

Refer to ESNPS11I for more information.

ESNPS11I

description - count

Cause

When an allocation fails using extent allocation, certain statistics will be returned and printed to aid in determining why the allocation failed. There are multiple passes in extent allocation, and any pass with non-zero statistics will have that information printed. The possible statistic descriptions include:

DEVICES ALREADY USED
DEVICES IN WRONG CONTROLLER
DEVICES - LARGEST AREA NOT LARGE ENOUGH
DEVICES MISSING LDMF EXTENT DATABASE
DEVICES MISSING VTOCIX
DEVICES SUCCESSFULLY ALLOCATED
DEVICES WITH DATASET ALREADY PRESENT
DEVICES WITH NO PIECE LARGE ENOUGH
DEVICES WITH NOT ENOUGH TOTAL SPACE
DEVICES WITHOUT ENOUGH FORMAT 0 DSCBS
DEVICES WITHOUT ENOUGH VIRS IN VTOCIX
EAV DEVICES NOT ELIGIBLE (USEEAV=NO)

Action

None.

ESNPS20E

GROUP_DSNAME MUST BE SPECIFIED PRIOR TO THE FIRST SNAP STATEMENT

Cause

The GLOBAL command with GROUP_DSNAME was specified. It appears after the first executable snap statement.

Action

Move the GLOBAL command with GROUP_DSNAME so that it appears prior to the first executable snap statement.

ESNPS21E

ERROR WITH GROUP_DSNAME *dsname*

Cause

Unable to valid the supplied group dataset name.

Action

Prior to this message, there will be an error message describing the problem. Refer to this message for how to proceed.

ESNPS22E

```
GROUP NAME HAS INVALID CHARACTERS
```

Cause

The group name specified for the DEFINE GROUP command includes invalid characters.

Action

Correct the group name to eliminate invalid characters.

ESNPS30E

```
ERROR ALLOCATING GROUP WORKING DATASET dsname, RC: rc
```

Cause

A dynamic allocation error occurred while allocating the group working dataset.

Action

See IBM dynamic allocation error codes.

ESNPS31E

```
ERROR OPENING FILE ddname, RC: xxxx
```

Cause

An error was encountered when opening the indicated file.

Action

Refer to the IBM open error codes.

ESNPS32E

```
ERROR CONCATENATING SITE GROUP DATASETS RC: xxxx
```

Cause

An error occurred using dynamic allocation to concatenate the site group dataset together.

Action

The IBM dynamic allocation error codes provide more information.

ESNPS33E

```
FILE xxxxxxxx NOT USABLE, MUST USE RECFM=F OR FB
```

Cause

The file(s) allocated to *ddname xxxxxxxx* are not all RECFM=F or FB.

Action

Only use files that have RECFM=F or FB.

ESNPS34E

```
FILE xxxxxxxx NOT USABLE, MUST USE LRECL=80
```

Cause

The files(s) allocated to ddname xxxxxxxx are not all LRECL=80.

Action

Only use files that have LRECL=80.

ESNPS40E

```
ABEND xxx OCCURRED, UNABLE TO STORE GROUP MEMBER - mbrname
```

Cause

While writing to the working group dataset, an abend occurred.

Action

If the abend is an x37, check the PDS allocation characteristics. You may need to increase the number of tracks or directory blocks assigned to the dataset.

ESNPS41E

```
RAN OUT OF DIRECTORY SPACE, UNABLE TO STORE GROUP MEMBER - name
```

Cause

The group dataset has run out of directory space.

Action

Expand the group dataset and add additional directory blocks.

ESNPS42E

```
I/O ERROR STORING GROUP MEMBER - mbrname, R15 = xxxxxxxx, R0 = xxxxxxxx
```

Cause

An I/O error occurred while storing the group member.

Action

Determine the cause of the I/O error. Ensure that sufficient space has been allocated to the group dataset.

ESNPS50I

```
UNABLE TO ALLOCATE DUMMY SYSIN/SYSPRINT FOR COMPRESS, RC=
```

Cause

While attempting to compress a file, was unable to allocate a dummy SYSIN and SYSPRINT file.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPS51I

```
FILE ddname WAS COMPRESSED, RC= xxxxxxxx
```

Cause

The file was compressed. The return code is the final return code from IEBCOPY.

Action

None.

ESNPS60E

```
GROUP_DSNAME IS NOT ALLOWED TO BE STORED IN A GROUP DEFINITION
```

Cause

A GLOBAL command with the GROUP_DSNAME parameter is embedded in the statements that are part of a group definition.

Action

Remove GROUP_DSNAME parameter.

ESNPS61E

```
TYPRUN IS NOT ALLOWED TO BE STORED IN A GROUP DEFINITION
```

Cause

A GLOBAL command with the TYPRUN parameter is embedded in the statements that are part of a group definition.

Action

Remove TYPRUN parameter.

ESNPS62E

```
PREPARE_FOR_SNAP IS NOT ALLOWED TO BE STORED IN A GROUP DEFINITION
```

Cause

The PREPARE_FOR_SNAP parameter was specified in a group definition.

Action

Remove the PREPARE_FOR_SNAP parameter.

ESNPS70E

```
NO DATASETS FOUND MATCHING SOURCE MASK:
```

Cause

A SNAP DATASET, QUERY DATASET, or STOP SNAP TO DATASET referenced a SOURCE_VOLUME_LIST and there were no datasets found on the volumes that matched the requested SOURCE DATASET parameter.

Action

Either correct the source dataset parameter to match the appropriate dataset or correct the SOURCE_VOLUME_LIST to identify the correct list of volumes.

ESNPS70W

```
NO DATASETS FOUND MATCHING SOURCE MASK:
```

```
USE_SOURCE_VOLUME_LIST_FOR_LOGINDYNAM(YES) INEFFECTIVE WITH  
USE_SOURCE_VOLUME_LIST_FOR_SRCVOL(NO)
```

Cause

A SNAP DATASET, QUERY DATASET, or STOP SNAP TO DATASET referenced a SOURCE_VOLUME_LIST and there were no datasets found on the volumes that matched the requested SOURCE DATASET parameter. An inappropriate set of parameters were specified. When specifying USE_SOURCE_VOLUME_LIST_FOR_SRCVOL(NO), this indicates that the SOURCE_VOLUME_LIST will not be used. On the other hand, specifying USE_SOURCE_VOLUME_LIST_FOR_LOGINDYNAM(YES) indicates that the

SOURCE_VOLUME_LIST should be used.

Action

Either correct the source dataset parameter to match the appropriate dataset or correct the SOURCE_VOLUME_LIST to identify the correct list of volumes.

ESNPS80W

```
USE_SOURCE_VOLUME_LIST_FOR_LOGINDYNAM(YES) INEFFECTIVE WITH  
USE_SOURCE_VOLUME_LIST_FOR_SRCVOL(NO)
```

Cause

An inappropriate set of parameters were specified. When specifying USE_SOURCE_VOLUME_LIST_FOR_SRCVOL(NO), this indicates that the SOURCE_VOLUME_LIST will not be used. On the other hand, specifying USE_SOURCE_VOLUME_LIST_FOR_LOGINDYNAM(YES) indicates that the SOURCE_VOLUME_LIST should be used.

Action

Correct one of the two parameters so that the parameter values match.

ESNPS81E

```
DEVICE RANGE IMPROPER VALUE xxxx SHOULD BE GREATER THAN yyyy
```

Cause

The define range is improper. The end of the range must be a greater value than the end of the range.

Action

Correct the device range and submit again.

ESNPS82E

```
CCUU RANGE IMPROPER, VALUE xxxx SHOULD BE GREATER THAN yyyy
```

Cause

The CCUU range is improper. The end of the range must be a greater value than the start of the range.

Action

Correct the CCUU range and submit again.

ESNPS83E

```
LOCAL() and REMOTE() PARAMETERS CANNOT BE USED TOGETHER
```

Cause

A command statement was issued that included both LOCAL and REMOTE parameters. These two parameters cannot be used in the same command statement.

Action

Specify only one of these parameters in a command statement.

ESNPS84E

```
RAGROUP IS REQUIRED WITH THE REMOTE PARAMETER
```

Cause

The REMOTE parameter was specified, but the RAGROUP subparameter was missing.

Action

Specify the RAGROUP subparameter within the REMOTE parameter.

ESNPS90E

EMC SNAP API - DYNAMIC RESULT AREA NOT ALLOWED

Cause

Internal API request specified that a dynamic result area was to be used. The API does not support dynamic result area for this type of request.

Action

Supply the result area and remove the dynamic result area specification.

ESNPS91E

EMC SNAP API - DYNAMIC RESULT AREA - FIELDS XTAPXT#, XTAPXTNT@ AND XTAPXTNTL MUST BE ZERO

Cause

Internal API request specified that a dynamic result area was to be used. In order to use the dynamic result area, the fields XTAPXT#, XTAPXTNT@ and XTAPXTNTL must be zero.

Action

Either remove the dynamic result area specification or set the fields XTAPXT#, XTAPXTNT@ and XTAPXTNTL to zero.

ESNPS92E

EMC SNAP API - DEVICE RANGE NOT ALLOWED

Cause

Internal API request specified a device range. The API does not support a device range for this type of request.

Action

Remove the device range.

ESNPS93E

EMC SNAP API - DEVICE RANGE FIELDS XTAPRNG# AND XTAPRNG@ VALUES MISSING

Cause

Internal API request specified a device range. The fields XTAPRNG# and XTAPRNG@ must contain appropriate values for this request.

Action

Either remove the device range specification or correct the values for fields XTAPRNG# and XTAPRNG@.

ESNPS94E

EMC SNAP API - MORE RESULTS THAN ALLOWED, CHECK XTAPXT#

Cause

The number of results generated by the internal API exceeded the count requested in XTAPXT#.

Action

Increase the size of the result area and adjust the field XTAPXT# to reflect the change.

ESNPS95E

EMC SNAP API - UNABLE TO RESTORE, VIRTUAL SESSION NOT FOUND

Cause

A RESTORE VDEV was requested. But the VDEV does not appear to be active with a session.

Action

Either choose another VDEV device to be restored or recreate the VDEV desired.

ESNPS96E

EMC SNAP API - ERROR DRAINING LOG POOL

Cause

A syscall (xxxx.xx.xx) returned unexpected data during a call to drain or undrain a device in a logpool.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPS97E

EMC SNAP API - LOG POOL REQUESTS REQUIRE 5X72 LEVEL MICROCODE

Cause

A CONFIGPOOL DRAIN or CONFIGPOOL UNDRAIN request has been attempted on a device that is not running Enginuity 5772 or a later level of the operating environment.

Action

The CONFIGPOOL DRAIN or CONFIGPOOL UNDRAIN commands are not supported in this situation.

ESNPS98E

EMC SNAP API - I/O ERROR CHECKING DEVICE INDIRECT STATUS

Cause

An I/O error was encountered while checking the device indirect status.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center.

ESNPS99E

EMC SNAP API - UNABLE TO ACQUIRE INDIRECT DEVICE LOCK

Cause

Unable to acquire the indirect device lock for a device.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center.

ESNPT00E

```
LOGPOOL SPECIFIED - poolname - DOES NOT EXIST
```

Cause

The device in logpool cannot be drained, because the logpool does not exist.

Action

Either ensure that you are operating against the correct storage system or specify a different name.

ESNPT01E

```
NO APPROPRIATE DEVICES FOUND IN RANGE (low,high) TO BE DRAINED IN  
POOL poolname
```

Cause

Either:

1. No SNAPPOOL devices in that range.
2. SNAPPOOL devices in the range are the wrong type (FBA or CKD).

Action

Review the device range. For (1), specify a different range. For (2), specify a different range.

ESNPT10E

```
LOGPOOL SPECIFIED - poolname - DOES NOT EXIST
```

Cause

The device in logpool cannot be undrained, because the logpool does not exist.

Action

Either ensure that you are operating against the correct storage system or specify a different name.

ESNPT11E

```
NO APPROPRIATE DEVICES FOUND IN RANGE (low,high) TO BE UNDRAINED  
IN POOL poolname
```

Cause

Either:

1. No SNAPPOOL devices in that range.
2. SNAPPOOL devices in the range are the wrong type (FBA or CKD).

Action

Review the device range. For (1), specify a different range. For (2), specify a different range.

ESNPT20E

```
LOGPOOL SPECIFIED - poolname - IS NOT A SNAPPOOL POOL
```

Cause

POOL was specified for a CONFIGPOOL operation. The poolname was valid, but was not a TYPE(SNAPPOOL) pool.

Action

EMCSNAP CONFIGPOOL requires a SNAPPOOL pool to be used. Specify a poolname that

is a SNAPPOOL pool. For operations involving other pool types, refer to SCF documentation for addition support.

ESNPT30E

```
REQUESTED VDEV IS IN USE BY ANOTHER EMCSNAP
```

Cause

The VDEV is already being operated on by another JOB that is executing EMCSNAP. VDEVWAIT(NO) was specified (or defaulted), causing this error to be produced.

Action

(1) Wait for the other job to complete execution and run this job again, or (2) specify VDEVWAIT(YES) and immediately run this job again, or (3) determine the action the other job performed against this VDEV and decide whether this job should be rerun.

ESNPT31E

```
FREE TARGET DEVICE WAS FOUND ONLINE TO A SYSTEM. THE TARGET DEVICE  
MUST BE OFFLINE TO ALL SYSTEMS
```

Cause

A FREE action was requested and the target device was found to be online.

Action

Ensure the target device is offline to all systems and retry.

ESNPT32E

```
VOLSER SYNTAX IS NOT SUPPORTED ON FREE COMMAND
```

Cause

A FREE command was issued with the VOLSER syntax used for the target device. The device cannot be freed while it is online.

Action

Ensure the target device is offline to all systems and retry.

ESNPT40E

```
ERROR FROM @EMCDLOK CHECKING LOCK 9. VOLUME: volser, RC:  
xxxxxxxx, R0:xxxxxxxx, R1: xxxxxxxx
```

Cause

An error occurred when checking the SAR status of the device.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPT50E

```
EMC SNAP API - I/O ERROR ACQUIRING BITMASK
```

Cause

An error occurred while acquiring the bitmask.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for

applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPT51E

EMC SNAP API - RESTORE DEVICE IS ALREADY A TARGET DEVICE

Cause

The targeted device in a restore operation is already a target device for a TF/Clone or TF/Snap operation.

Action

Either use STOP SNAP to clear the device and make it available to be used or choose another target device.

ESNPT52E

EMC SNAP API - TARGET DEVICE HAS EXTENT LEVEL INDIRECT TRACKS

Cause

An establish was attempted and the target device has some extent level indirect tracks that cannot be automatically cleaned up.

Action

The extent level indirect tracks must be cleaned up before the establish can occur. This cleanup must be run from a LPAR that is locally channel attached to the device. The CLEANUP statement must be run using either the UNIT or the VOLSER parameter. It will not correct the problem if the SYMDV# parameter is used.

ESNPT53E

EMC SNAP API - DRAIN FAILED, PROTECTED TRACKS PRESENT

Cause

An attempt to drain a log device failed because the device has some protected tracks on it.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPT54E

EMC SNAP API - I/O ERROR SINGLE RESTORE

Cause

An I/O error occurred during a call to perform a single restore or a single split star.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPT55E

EMC SNAP API - INVALID LOG POOL

Cause

An attempt to create a VDEV failed because an invalid log pool was specified.

Action

Correct the log pool and try again.

ESNPT56W

EMC SNAP API - NOT SUPPORTED WITH NATIVE EXTENTS

Cause

A request to format the extent track was attempted on a device that is using native extents.

Action

Do not run a DESTROY statement against a device that is using native extents.

ESNPT57E

EMC SNAP API - SOURCE DEVICE RACF PROTECTED

Cause

An RACF security rule has been defined to protect this source device. This user does not have READ access authority to the device.

Action

Either contact the security administrator to obtain read access authority to the device or choose another source device.

ESNPT58E

EMC SNAP API - TARGET DEVICE RACF PROTECTED

Cause

An RACF security rule has been defined to protect this target device. This user does not have UPDATE access authority to the device.

Action

Either contact the security administrator to obtain update access authority to the device or choose another target device.

ESNPT59E

EMC SNAP API - REQUEST FAILED, TDEV DEVICE NOT SUPPORTED

Cause

The device specified is a TDEV device and may not be snapped.

Action

Choose another device.

ESNPT60E

LOGPOOL API - UNKNOWN ERROR DETECTED, CODE IS: xxxx

Cause

An unknown error was detected when calling the LOGPOOL API.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the

problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPT61E

```
LOGPOOL API - UNKNOWN FUNCTION CODE - CODE IS: xxxx
```

Cause

An unknown function code was requested of the LOGPOOL API.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPT62E

```
LOGPOOL API - TRIED TO CREATE THE DEFAULT_POOL
```

Cause

An attempt was made to create the pool DEFAULT_POOL.

Action

Choose a different pool name and try the operation again.

ESNPT63E

```
LOGPOOL API - LOCAL, REMOTE, AND TARGET ARE MUTUALLY EXCLUSIVE
```

Cause

Conflicting parameters were passed to the LOGPOOL API.

Action

Only use one of the mutually exclusive parameters LOCAL or REMOTE or TARGET.

ESNPT64E

```
LOGPOOL API - TRIED TO CREATE A POOL THAT ALREADY EXISTS
```

Cause

The pool name to be created already exists.

Action

Choose a different pool name.

ESNPT65E

```
LOGPOOL API - MICROCODE PRIOR TO 5X72 DOES NOT SUPPORT DSEPOOL
```

Cause

An attempt to create a DSEPOOL failed.

Action

Upgrade the operating environment to a level that supports DSEPOOLS.

ESNPT66E

```
LOGPOOL API - TRIED TO DELETE THE DEFAULT_POOL
```

Cause

An attempt was made to delete the DEFAULT_POOL.

Action

The DEFAULT_POOL cannot be deleted.

ESNPT67E

```
LOGPOOL API - TRIED TO DELETE A POOL THAT DOES NOT EXIST
```

Cause

An attempt was made to delete a pool that does not exist.

Action

None the pool does not exist.

ESNPT68E

```
LOGPOOL API - TRIED TO USE A POOL THAT DOES NOT EXIST
```

Cause

An attempt was made to use a pool that does not exist.

Action

Either create the pool first choose another pool name that does exist.

ESNPT69E

```
LOGPOOL API - I/O ERROR WHILE CHECKING MICROCODE LEVELS
```

Cause

An I/O error occurred while checking the operating environment level.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPT70E

```
LOGPOOL API - I/O ERROR WHILE CREATING A POOL
```

Cause

An I/O error occurred while creating a pool.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPT71E

```
LOGPOOL API - I/O ERROR WHILE ADDING A DEVICE TO A POOL
```

Cause

An I/O error occurred while adding a device to a pool.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the

problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPT72E

LOGPOOL API - I/O ERROR WHILE DELETING A POOL

Cause

An I/O error occurred while deleting a pool.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPT73E

LOGPOOL API - I/O ERROR WHILE RETRIEVING POOL NAMES

Cause

An error occurred while retrieving the logpool pool names.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPT74E

LOGPOOL API - I/O ERROR WHILE ENABLING A DEVICE

Cause

An I/O error occurred while enabling a log device.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPT75E

LOGPOOL API - I/O ERROR WHILE DISABLING A DEVICE

Cause

An I/O error occurred while disabling a log device.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPT76E

LOGPOOL API - I/O ERROR WHILE REMOVING A DEVICE FROM A POOL

Cause

An I/O error occurred while removing a device from a pool.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPT77E

LOGPOOL API - I/O ERROR WHILE DRAINING A DEVICE

Cause

An I/O error occurred while draining a device.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPT78E

LOGPOOL API - I/O ERROR WHILE UNDRAINING A DEVICE

Cause

An I/O error occurred while undraining a device.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

ESNPT79E

LOGPOOL API - I/O ERROR WHILE QUERYING A LOGPOOL

Cause

An I/O error occurred while querying a logpool.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPT80E

LOGPOOL API - INVALID CHARACTERS IN POOL NAME

Cause

An invalid character was found in the pool name.

Action

Correct the pool name and try the operation again.

ESNPT81E

LOGPOOL API - DEVICE TYPE DOES NOT MATCH POOL TYPE

Cause

The device type does not match the pool type.

Action

All of the devices in a pool must have the same device type 3380, 3390, FBA, etc.

ESNPT82E

```
LOGPOOL API - RANGE IS NOT VALID FOR DRAIN/UNDRAIN COMMAND
```

Cause

A range was used for a DRAIN or UNDRAIN command.

Action

Specify individual DRAIN or UNDRAIN commands for each device.

ESNPT83E

```
LOGPOOL API - UNABLE TO PIN THE UCB
```

Cause

An error occurred when attempting to PIN a device UCB.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPT84E

```
LOGPOOL API - ENABLED DEVICES CAN NOT BE MOVED
```

Cause

An attempt was made to move a log device from one pool to another. The device is currently enabled.

Action

Disable or drain the log device before attempting to move it.

ESNPT85E

```
LOGPOOL API - DEVICE IS NOT IN THE NAMED POOL
```

Cause

The log device specified does not exist in the specified pool.

Action

Correct the device number or pool name.

ESNPT86E

```
LOGPOOL API - UNABLE TO DELETE NAMED POOL; DEVICES PRESENT
```

Cause

An attempt was made to delete a pool that still has devices present.

Action

Remove all devices from the pool and then try the operation again.

ESNPT87E

LOGPOOL API - UNABLE TO OBTAIN SYMMETRIX EXTERNAL LOCK

Cause

An error occurred when acquiring a Symmetrix external lock.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

ESNPT88E

LOGPOOL API - SCF NOT FOUND

Cause

The LOGPOOL API is not able to find SCF.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

ESNPT89E

LOGPOOL API - VOLUME NOT KNOWN TO SCF

Cause

The device being used as a gatekeeper device for LOGPOOL services is not known to SCF.

Action

Choose a different gatekeeper device.

ESNPT90E

LOGPOOL API - DDNAME NOT FOUND IN JCL

Cause

The DDNAME specified in the LOGPOOL API request is not present in this JCL for this jobstep.

Action

Correct the DDNAME, or add the DDNAME to the JCL, and try the operation again.

ESNPT91E

LOGPOOL API - ERROR TRYING TO RELEASE SEL; NOTIFY EMC

Cause

An error was encountered when trying to release the Symmetrix external lock.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPT92E

LOGPOOL API - ERROR TRYING TO UNPIN UCB

Cause

An error occurred when attempting to UNPIN a device UCB.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the syslog, the job log, and all relevant job documentation available.

ESNPT93E

```
LOGPOOL API - ESFGPMSC ATTEMPTED RECOVERY FROM ABEND OR CANCEL
```

Cause

An abend occurred (or a cancel command issued) while in the LOGPOOL API.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPT94E

```
LOGPOOL API - RAGROUP VALUE FORMAT IS INVALID
```

Cause

The RAGROUP value is not valid.

Action

Correct the RAGROUP value.

ESNPT95E

```
LOGPOOL API - SECOND DEVICE VALUE IS NOT GREATER THAN FIRST
```

Cause

In the LOGPOOL API request, a range was specified. The high end of the range was not greater than the low end of the range.

Action

Correct the range value.

ESNPT96E

```
LOGPOOL API - SERIAL NUMBER FOUND DOES NOT MATCH
```

Cause

In the LOGPOOL API request, the serial number for validation does not match the storage system serial number.

Action

Ensure that the LOCAL, REMOTE or TARGET parameter are correct.

ESNPT97E

```
LOGPOOL API - INVALID DEVICE NUMBER
```

Cause

An invalid device number was used for a log device.

Action

Correct the device number.

ESNPT98E

LOGPOOL API - TYPE IS A REQUIRED PARAMETER

Cause

TYPE was omitted from the LOGPOOL API request.

Action

Specify TYPE of SNAPPOOL or DSEPOOL.

ESNPT99E

LOGPOOL API - TYPE VALUE IS INVALID

Cause

The TYPE specified was invalid.

Action

Specify TYPE of SNAPPOOL or DSEPOOL.

ESNPU00E

LOGPOOL API - RAGROUP IS A REQUIRED PARAMETER FOR REMOTE

Cause

A remote LOGPOOL API request is missing the RAGROUP subparameter.

Action

Specify the RAGROUP subparameter.

ESNPU01E

LOGPOOL API - DEVICE POOL IS NOT EQUAL TO GMPPOOL

Cause

A LOGPOOL API request was made and the device belongs to a different pool than was specified.

Action

Correct the pool name.

ESNPU02E

LOGPOOL API - UNIT IS NOT KNOWN TO SCF

Cause

The device being used as a gatekeeper device for LOGPOOL services is not known to SCF.

Action

Choose a different gatekeeper device.

ESNPU03E

LOGPOOL API - UNABLE TO GET REMOTE DIRECTOR NUMBER

Cause

An error occurred when retrieving the remote director information.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPU04E

```
LOGPOOL API - LOGPOOL DOES NOT HAVE ENOUGH FREE SPACE
```

Cause

The log pool does not have enough free space.

Action

Ensure that the log pool has enough free space.

ESNPU05E

```
LOGPOOL API - DEVICE STILL HAS SESSIONS
```

Cause

The device has sessions present on it.

Action

Remove all sessions from the device.

ESNPU09E

```
LOGPOOL API - INSUFFICIENT BUFFER SPACE FOR POOL NAMES LIST
```

Cause

There was insufficient buffer space for the list of pool names.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPU10I

```
ABEND OCCURRED: PSW:
```

Cause

An abend occurred.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPU11W

```
ERROR DETECTING WHILE PROCESSING BCVGROUPE STATEMENTS, EXECUTION  
TERMINATED
```

Cause

Errors occurred while processing BCVGROUPE statements.

Action

Review the error or errors encountered during parsing, correct them and run again.

ESNPU12W

ERROR DETECTED WHILE PARSING REQUEST STATEMENTS, EXECUTION TERMINATED

Cause

Errors occurred during parsing.

Action

Review the error or errors encountered during parsing, correct them and run again.

ESNPU20E

CONGROUP MISMATCH ON SOURCE DATASET, SOME EXTENTS IN CONGROUP: *cnggrp* AND SOME IN CONGROUP: *cnggrp*

Cause

ConGroup checking is enabled. The source dataset has some extents in at least two different consistency groups.

Action

Move the dataset so that all extents are in the same consistency group.

ESNPU21E

CONGROUP MISMATCH ON TARGET DATASET, SOME EXTENTS IN CONGROUP: *cnggrp* AND SOME IN CONGROUP: *cnggrp*

Cause

ConGroup checking is enabled. The target dataset has some extents in at least two different consistency groups.

Action

Move the dataset so that all extents are in the same consistency group.

ESNPU30E

SOURCE DEVICE(S) IS A MEMBER OF CONGROUP *cnggrp*

Cause

The source device(s) is a member of the indicated consistency group.

Action

Refer to following messages in the log file. This message is simply reporting the status of the source device.

ESNPU31E

SOURCE DEVICE(S) IS NOT A MEMBER OF A CONGROUP *cnggrp*

Cause

The source device(s) is not a member of the indicated consistency group.

Action

Refer to the messages that follow ESNPU31E in the log file. This message is simply reporting the status of the source device.

ESNPU32E

TARGET DEVICE *dv#* IS A MEMBER OF CONGROUP *cnggrp*

Cause

The target device(s) is a member of the indicated consistency group.

Action

See following messages in the log file. This message is simply reporting the status of the target device.

ESNPU33E

```
TARGET DEVICE dv# IS NOT A MEMBER OF A CONGROUP cngrp
```

Cause

The target device(s) is not a member of the indicated consistency group.

Action

See following messages in the log file. This message is simply reporting the status of the target device.

ESNPU40E

```
DEVICE NOT AVAILABLE, HOST INTERVENTION REQUIRED -  
volser (S/N symm-serial/symdv#)
```

Cause

The device is an SRDF device and is set to cleanup mode.

Action

The device must complete cleanup before it can be used.

ESNPU41E

```
DEVICE LINK IS IN TRANSMIT IDLE STATE, MUST BE CHANGED TO INACTIVE  
- volser (S/N symm-serial/symdv#)
```

Cause

Unable to properly access the remote device information because the device link is in a transmit idle state. It must be changed to inactive in order to proceed.

Action

Correct the problems with the device link.

ESNPU50I

```
CONGROUP SETTING IS: NONE
```

Cause

ConGroup checking is set to NONE.

Action

None.

ESNPU51I

```
CONGROUP SETTING IS: REQUIRED_SAME
```

Cause

ConGroup checking is set to REQUIRED_SAME

Action

None.

ESNPU52I

```
CONGROUP SETTING IS: REQUIRED_ANY
```

Cause

ConGroup checking is set to REQUIRED_ANY

Action

None.

ESNPU53I

```
CONGROUP SETTING IS: REQUIRED_TARGET
```

Cause

ConGroup checking is set to REQUIRED_TARGET

Action

None.

ESNPU54I

```
CONGROUP SETTING IS: WARNING
```

Cause

ConGroup checking is set to WARNING.

Action

None.

ESNPU60E

```
VFLK ERROR OBTAINING VDEVFREE SELLOCK, RC=xxxxxxxx
```

Cause

An error occurred while obtaining the VDEVFREE SELLOCK.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPU61I

```
VDEV FREE MANAGEMENT LOCK FOUND HELD, OVERRIDE DETECTED,  
AUTOMATICALLY RELEASED
```

Cause

When attempting to acquire the VDEV FREE MANAGEMENT LOCK, it was found to be held. The hold time was excessive, so the lock was automatically released.

Action

None.

ESNPU62I

```
VDEV FREE MANAGEMENT LOCK FOUND HELD FOR count SECONDS,  
AUTOMATICALLY RELEASED
```

Cause

When attempting to acquire the VDEV FREE MANAGEMENT LOCK, it was found to be held. The hold time was excessive, so the lock was automatically released.

Action

None.

ESNPU70E

```
VOLUME (volser S/N symm-serial/symdv#) CANNOT BE A VIRTUAL DEVICE FOR GATEKEEPER PURPOSES
```

Cause

A virtual device was specified as the gatekeeper device.

Action

Virtual devices may not process syscalls. So they may not be used as a gatekeeper device. Specify a non-virtual device as the gatekeeper device and rerun.

ESNPU80E

```
LOGPOOL API - UNABLE TO DRAIN DEVICE DUE TO PROTECTED TRACKS
```

Cause

A DRAIN request was requested and failed because the device has protected tracks.

Action

Try the operation again after the protected tracks are gone.

ESNPU81E

```
LOGPOOL API - INSUFFICIENT BUFFER SPACE FOR ANY RECORDS
```

Cause

There was insufficient space for the list of devices.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPU82E

```
LOGPOOL API - NAMED POOL HAS NO DEVICES
```

Cause

The pool has no devices.

Action

None.

ESNPU83E

```
LOGPOOL API - DEVICE HAS TRACKS IN USE; CANNOT BE REMOVED
```

Cause

A CONFIGPOOL REMOVE was issued to a device that has tracks in use.

Action

The tracks must first be completely drained from the device before it can be removed.

ESNPU84E

LOGPOOL API - TARGET IS NOT AVAILABLE

Cause

The target is not available.

Action

Make the target available and try the operation again.

ESNPU85E

LOGPOOL API - DEVICE AND POOL ARE NOT THE SAME TYPE

Cause

A CONFIGPOOL request was made where the device and pool are not of the same type. For instance, a SAVEDEV device being used with a DSE pool.

Action

Either change the pool name to a SAVEDEV pool or use the standalone utility to work with devices and pools that are not SAVEDEV devices.

ESNPU86E

LOGPOOL API - TRYING TO MOVE A DATA DEVICE TO A SNAP/DSE POOL

Cause

A CONFIGPOOL request is trying to move a data device to a pool with different attributes. A SAVEDEV device can only be moved to a SAVEDEV pool.

Action

Either change the pool name to a SAVEDEV pool or use the standalone utility to work with devices and pools that are not SAVEDEV devices.

ESNPU87E

LOGPOOL API - GETMAIN FOR RESOURCE MANAGER STORAGE FAILED

Cause

A CONFIGPOOL request has failed because of lack of region storage.

Action

Either increase the region size and submit the request again or use the Pool Management Batch Utility.

ESNPU88E

LOGPOOL API - ATTEMPT TO ESTABLISH RESOURCE MANAGER FAILED

Cause

A CONFIGPOOL request has failed.

Action

Use the Pool Management Batch Utility.

ESNPU89E

LOGPOOL API - ATTEMPT TO DRAIN A DSE POOL IS NOT ALLOWED

Cause

A CONFIGPOOL request was made against a DSE pool.

Action

Either change the pool name to a SAVEDEV pool or use the Pool Management Batch Utility to work with devices and pools that are not SAVEDEV devices. The *ResourcePak Base for z/OS Product Guide* provides more information about the Pool Management Batch Utility.

ESNPU90E

CONTROLLER NAME NOT RECOGNIZED, ENSURE IT IS A VALID DEFINED NAME

Cause

The CONTROLLER parameter was specified with a storage system name. The storage system name is not recognized as a valid storage system name.

Action

Check the spelling and case of the specified storage system name. If the name contains special characters or spaces, it must be enclosed in quotes.

ESNPU91E

NAME: *symmname*

Cause

This message follows ESNPU90E and identifies the storage system name specified.

Action

None.

ESNPU92I

CONTROLLER NAME SPECIFIED, CONTROLLER *symm-serial* SELECTED

Cause

The CONTROLLER parameter was specified with a storage system name. The storage system name was found and the appropriate storage system will be targeted.

Action

None.

ESNPU93E

CONTROLLER NAME AND SERIAL NUMBER SPECIFIED, THEY DO NOT MATCH

Cause

The CONTROLLER parameter was specified with both a serial number and a storage system name. The storage system found by looking up the name does not match the serial number.

Action

Correct one of the two parameter so that they agree on the same storage system.

ESNPU94E

NAME: *symmname*

Cause

This message follows ESNPU93E and identifies the storage system name specified.

Action

None.

ESNPU95E

```
NAME SELECTED SERIAL NUMBER: symm-serial
```

Cause

This message follows ESNPU93E and identifies the serial number found matching the storage system name.

Action

None.

ESNPU96E

```
USER SPECIFIED SERIAL NUMBER: symm-serial
```

Cause

This message follows ESNPU93E and identifies the serial number specified.

Action

None.

ESNPU97E

```
CONTROLLER NUMBER NOT RECOGNIZED, ENSURE IT IS A VALID CONTROLLER
```

Cause

The CONTROLLER parameter was specified with a serial number. The serial number was not found.

Action

Correct the serial number and try the operation again.

ESNPU98E

```
NUMBER: symm-serial
```

Cause

This message follows ESNPU97E and identifies the specified serial number.

Action

None.

ESNPW00E

```
SECURITY DOES NOT ALLOW ACCESS TO SYMDV#: syndv#
```

Cause

RACF checking is enabled for the SYMDV#. A security rule is present and does not allow this user access to the indicated SYMDV#.

Action

Either correct the security rule to allow access or change the device to one allowed.

ESNPW10I

```
API QUERY GLOBAL REQUEST PROCESSED
```

Cause

A QUERY GLOBAL was encountered by the API interface.

Action

None.

ESNPW20I

```
--- EMCSNAPO --- VER vv.ll.rr --- SIZE nnn --- DATE/TIME
mm/dd/yy hh:mm ---
```

Cause

This line identifies the last time the EMCSNAPO module was assembled. It contains the version, size and assembly date.

Action

None.

ESNPW21I

```
SITE SETTING GLOBAL OVERRIDE
```

Cause

This line precedes ESNPW22I and provides a column heading. The two columns correspond to the site setting that is assembled into the EMCSNAPO module and the current setting as overridden by GLOBAL statements.

Action

None.

ESNPW22I

```
fieldname sitesetting globalsetting
```

Cause

One line is present for each site or global setting. The parameter name is identified and the default value (site setting) and overridden value (global override) are displayed. If N/A is present in the overridden column, the value is not changeable by the GLOBAL statement and the site option value will be used.

Action

None.

ESNPW30I

```
PROCESSING FOR STATEMENT stmt# BEGINNING, QUERY GLOBAL REQUEST
```

Cause

Processing of the QUERY GLOBAL statement is beginning.

Action

None.

ESNPW31I

```
PROCESSING FOR STATEMENT stmt# COMPLETED, HIGHEST RETURN CODE
ENCOUNTERED IS rc
```

Cause

Processing of the QUERY GLOBAL statement has completed.

Action

None.

ESNPW40E

SOURCE DEVICE IS A SRDF/A R2 AND MAY NOT BE USED WITH A VDEV

Cause

The source device is a SRDF/A R2 and VDEV(s) may not be associated with them.

Action

Do not associate a VDEV with an SRDF/A R2.

ESNPW41E

SOURCE DEVICE IS A SRDF/A R2 AND MODE(NOCOPY) IS NOT ALLOWED

Cause

The source device is a SRDF/A R2 and MODE(NOCOPY) was specified.

Action

Change MODE(NOCOPY) to MODE(COPY). Also ensure that PRECOPY(YES) and WAIT_FOR_PRECOPY_PASS1(YES) is specified.

ESNPW42E

SOURCE DEVICE IS A SRDF/A R2 AND PRECOPY(YES) IS REQUIRED

Cause

The source device is a SRDF/A R2 and PRECOPY(NO) was specified.

Action

Change PRECOPY(NO) to PRECOPY(YES). Also ensure that MODE(COPY) and WAIT_FOR_PRECOPY_PASS1(YES) is specified.

ESNPW43E

SOURCE DEVICE IS A SRDF/A R2 AND WAIT_FOR_PRECOPY_PASS1(YES) IS REQUIRED

Cause

The source device is a SRDF/A R2 and WAIT_FOR_PRECOPY_PASS1(NO) was specified.

Action

Change WAIT_FOR_PRECOPY_PASS1(NO) to WAIT_FOR_PRECOPY_PASS1(YES). Also ensure that MODE(COPY) and PRECOPY(YES) is specified.

ESNPW44E

SOURCE DEVICE IS A SRDF/A R2 AND WRITE PACING MUST BE ACTIVE TO USE A VDEV

Cause

The source device is a SRDF/A R2 device. The target device is a virtual device. Write pacing must be active to use a virtual device with a SRDF/A R2 device.

Action

Choose either to activate write pacing on the SRDF/A group or choose another source device.

ESNPW50E

THIS USER DOES NOT HAVE THE PROPER SECURITY FOR THIS COMMAND
(*command*)

Cause

An RACF security rule has been defined to protect this EMCSNAP command. This user does not have READ access authority to use the command.

Action

Contact the security administrator to obtain the proper access authority to use the command.

ESNPW60E

THIS USER DOES NOT HAVE THE PROPER SECURITY FOR THIS GROUP
(*grpname*)

Cause

An RACF security rule has been defined to protect this EMCSNAP GROUP. This user does not have the proper access authority to use the command.

Action

Contact your security administrator to obtain the proper access authority to use the group.

ESNPW70E

THIS USER DOES NOT HAVE THE PROPER SECURITY FOR THIS POOL
(*poolname*)

Cause

An RACF security rule has been defined to protect this EMCSNAP POOL. This user does not have the proper access authority to use the command.

Action

Contact the security administrator to obtain the proper access authority to use the group.

ESNPW80E

EMC SNAP API - I/O ERROR ESTABLISHING FLASHCOPY EXTENTS

Cause

An I/O error occurred during a call to perform a FlashCopy Establish.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

ESNPW81E

EMC SNAP API - I/O ERROR WITHDRAWING FLASHCOPY EXTENTS

Cause

An I/O error occurred during a call to perform a FlashCopy Withdraw.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPW82E

EMC SNAP API - SYSCALL 0148 DETECTED MIXED SETTINGS

Cause

An internal storage system error has been detected. The device has an active extent track and it also has active native extents.

Action

Contact Dell EMC Customer Support.

ESNPW83E

EMC SNAP API - ESTABLISH FAILED MULTIPLES TIMES WITH RC=0X6D

Cause

The target extent overlaps an existing target extent. The existing target extent is native extents. An attempt to resolve the issue has failed.

Action

Wait and try the request again. Contact Dell EMC Customer Support if the problem persists.

ESNPW84E

EMC SNAP API - MICROCODE LEVEL >= 5X74, NOT SUPPORTED WITH THIS VERSION

Cause

The storage system is running an operating environment level that is not supported by this level of host software.

Action

Contact Dell EMC Customer Support to obtain and install the most recent level of host software.

ESNPW85E

EMC SNAP API - I/O ERROR PERFORMING MULTI-DEVICE ACTIVATE

Cause

A syscall (9242) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

ESNPW86E

EMC SNAP API - I/O ERROR PERFORMING MULTI-DEVICE ESTABLISH

Cause

A syscall (9242) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the

SYSLOG, the job log, and all relevant job documentation available.

ESNPW87E

```
EMC SNAP API - I/O ERROR PERFORMING MULTI-DEVICE QUERY
```

Cause

A syscall (9242) returned unexpected data during a call to query session information.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPW88E

```
EMC SNAP API - I/O ERROR PERFORMING MULTI-DEVICE RESTORE
```

Cause

A syscall (9242) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPW89E

```
EMC SNAP API - I/O ERROR PERFORMING MULTI-DEVICE SPLITSTAR
```

Cause

A syscall (9242) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

ESNPW90E

```
GROUP groupname NOT FOUND, INCLUDE ABORTED
```

Cause

An INCLUDE statement of a group failed, the specified group name does not exist.

Action

Correct the group name and rerun the request.

ESNPW91E

```
GROUP groupname ALREADY INCLUDED, RECURSION NOT ALLOWED
```

Cause

A INCLUDE statement specified a group that has already been included. Recursion is not allowed.

Action

Correct the group name and rerun the request.

ESNPX00E

EMC SNAP API - I/O ERROR PERFORMING MULTI-DEVICE TERMINATE

Cause

A syscall (9242) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPX01E

EMC SNAP API - I/O ERROR REESTABLISHING VIRTUAL DEVICE

Cause

A syscall (814F) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPX02E

EMC SNAP API - I/O ERROR PERFORMING MULTI-DEVICE SET COPY MODE

Cause

A syscall (9242) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPX03E

EMC SNAP API - REQUEST FAILED, DISKLESS DEVICE NOT SUPPORTED

Cause

A request was made using a diskless device. Diskless devices may not be used in EMCSNAP.

Action

Choose another device.

ESNPX04E

EMC SNAP API - REQUEST FAILED, VDEV DOES NOT SUPPORT THIS TYPE OF REQUEST

Cause

A request has been made to a VDEV that is not allowed. An example might be attempting to use a VDEV as a gatekeeper device.

Action

Correct the request and ensure that a VDEV is not being used as a gatekeeper device.

ESNPX05E

```
EMC SNAP API - DEVICE MISSING REQUIRED MICROCODE FIX 41844
```

Cause

The storage system is missing a required operating environment fix (# 41844).

Action

Contact Dell EMC Customer Support to have fix #41844 installed on the storage system.

ESNPX06E

```
EMC SNAP API - DEVICE MISSING REQUIRED MICROCODE FIX 43599 FOR EAV SPACE
```

Cause

The storage system is missing a required operating environment fix (#43599) for EAV devices.

Action

Contact Dell EMC Customer Support to have fix #43599 installed on the storage system.

ESNPX07E

```
EMC SNAP API - ACTIVATE FAILED, THERE ARE INDIRECTS ON THE SOURCE DEVICE
```

Cause

Activate of device sessions has failed because there are indirect tracks on the source device.

Action

Retry the operation after the indirect tracks have completed their copying.

ESNPX08E

```
EMC SNAP API - I/O ERROR CREATING MULTI VIRTUAL SESSION
```

Cause

A syscall (814F) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPX09E

```
EMC SNAP API - WAIT TIME EXCEEDED, TARGET NOT FULLY DEFINED
```

Cause

The wait time has elapsed but undefined tracks still exist.

Action

None.

ESNPX10W

A PDSE DATASET IS OPEN ON THIS SYSTEM, THE CONTENTS MAY BE IN CACHE AND NOT PROPERLY COPIED

Cause

INVALIDATE_PDSE(YES) is specified and an attempt was made to flush the PDSE hyperspace cache. The attempt failed indicating that a PDSE dataset is open on this system.

Action

One of the following:

- If the request is SNAP DATASET, close or shutdown all applications using the dataset (on all systems) and try the request again.
- If the request is SNAP VOLUME, ensure that all PDSE datasets on the volume are closed or all applications using the datasets are quiesced. Then try the request again.

ESNPX11W

A PDSE DATASET IS OPEN ON ANOTHER SYSTEM, THE CONTENTS MAY BE IN CACHE AND NOT PROPERLY COPIED

Cause

INVALIDATE_PDSE(YES) is specified and an attempt was made to flush the PDSE hyperspace cache. The attempt failed indicating that a PDSE dataset is open on another connected system.

Action

Either:

- If the request is SNAP DATASET, close or shutdown all applications using the dataset (on all systems) and try the request again.
- If the request is SNAP VOLUME, ensure that all PDSE datasets on the volume are closed or all applications using the datasets are quiesced. Then try the request again.

ESNPX12W

A PDSE DATASET IS OPEN ON SOME SYSTEMS, THE CONTENTS MAY BE IN CACHE AND NOT PROPERLY COPIED

Cause

INVALIDATE_PDSE(YES) is specified and an attempt was made to flush the PDSE hyperspace cache. The attempt failed indicating that a PDSE dataset is open on some connected systems.

Action

Either:

- If the request is SNAP DATASET, close or shutdown all applications using the dataset (on all systems) and try the request again.
- If the request is SNAP VOLUME, ensure that all PDSE datasets on the volume are closed or all applications using the datasets are quiesced. Then try the request again.

ESNPX13E

AN ERROR WAS ENCOUNTERED WHILE INVALIDATING PDSE BUFFERS

Cause

An error was encountered while invalidating PDSE hyperspace cache.

Action

Consult Dell EMC Customer Support.

ESNPX14E

```
R15: xxxxxxxx R0: xxxxxxxx R1: xxxxxxxx
```

Cause

This message is produced with ESNPX13E for diagnostic purposes.

Action

See message ESNPX13E.

ESNPX20E

```
RC=1730 - SOURCE HAS SOME INDIRECT TRACKS
```

Cause

The source currently has some indirect tracks. This means that another snap took place with this source identified as the target of that snap.

Action

Either rerun the request after the background copy has completed or specify a datamover on the request to allow the copy to occur through the host.

ESNPX21E

```
RC=1732 - TARGET HAS SOME PROTECTED TRACKS
```

Cause

The target currently has some protected tracks. This means that another snap took place with this target identified as the source of that snap.

Action

Either rerun the request after the background copy has completed or specify a datamover on the request to allow the copy to occur through the host.

ESNPX22E

```
RC=1738 - EXTENT TRACK IS FULL
```

Cause

The extent track has too many individual extents in it.

Action

Allow some time for the background copy to occur and then rerun the request.

ESNPX23E

```
RC=1740 - BACKGROUND SPLIT IS IN PROGRESS
```

Cause

A device is currently performing a TimeFinder/Mirror SPLIT operation.

Action

Allow some time for the split to complete and then rerun the request.

ESNPX24E

```
RC=176D - TARGET OVERLAPS ANOTHER TARGET
```

Cause

The target currently has some indirect tracks. This means that another snap took place with this target identified as the target of that snap.

Action

Either run a STOP SNAP to the target and then rerun the request or allow some time for the background copy to complete and then rerun the request.

ESNPX25E

```
RC=176E - TOO MANY SESSIONS FOR EXTENT TRACK OPERATIONS
```

Cause

The limit for separate sessions for extent track operations has been reached. A separate session is required for each unique copy of the source.

Action

Either allow some time for the background copy to complete and then rerun the request or specify a datamover on the request to allow the copy to occur through the host.

ESNPX26E

Format 1:

```
RC=1770 - BACKEND CHECK FAILURE - SOME TRACKS ARE EITHER PROTECTED  
OR INDIRECT
```

Format 2:

```
DEVICE IS NOT A VDEV
```

Format 3:

```
VSE TARGET BELONGS TO DIFFERENT POOL
```

Cause

Format 1: The operating environment has detected that some tracks are either protected or indirect.

Format 2: The device is not a VDEV device.

Format 3: A VSE target device belongs to a different pool.

Action

Format 1: Either allow some time for the background copy to complete and then rerun the request, or specify a datamover on the request to allow the copy to occur through the host.

Format 2: The operation requires a VDEV device.

Format 3: Do not use MODE(VSE) when devices are in different pools.

ESNPX27E

```
RC=173C - MICROCODE UNABLE TO LOCK TARGET DEVICE
```

Cause

The operating environment is unable to serialize access to the target device. This is not a device lock, but operating environment serialization.

Action

Rerun the request.

ESNPX28E

```
RC=173D - MICROCODE HAS TARGET DEVICE MARKED AS UNUSABLE
```

Cause

The operating environment has the device marked as unusable.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

ESNPX29E

```
RC=1731 - MICROCODE UPGRADE IN PROGRESS
```

Cause

An operating environment upgrade is in progress.

Action

Wait for the operating environment upgrade to complete and then rerun the request.

ESNPX30E

```
RC=1733 - MICROCODE UNABLE TO LOCK SOURCE DEVICE
```

Cause

The operating environment is unable to serialize access to the source device. This is not a device lock, but operating environment serialization.

Action

Rerun the request.

ESNPX31E

```
RC=174E - FULL DEVICE TARGET IS ALREADY A TARGET DEVICE
```

Cause

The target device is already the target device of an earlier request.

Action

Either:

ESNPX32E

```
RC=1767 - MEMORY REPLACEMENT IN PROGRESS, NO OPERATIONS ALLOWED AT THIS TIME
```

Cause

A memory upgrade is in progress.

Action

Wait for the memory upgrade to complete and then rerun the request.

ESNPX33E

```
RC=1768 - PROBABLY EXCEEDED SESSION LIMITS
```

Cause

The limit for separate sessions has been reached. A separate session is required for each unique copy of the source.

Action

Either allow some time for the background copy to complete and then rerun the request or specify a datamover on the request to allow the copy to occur through the host.

ESNPX34E

Format 1:

RC=1774 - FULL DEVICE SOURCE IS CURRENTLY TARGET OF ANOTHER OPERATION

Format 2:

MIXING THICK AND THIN WHILE CASCADING

Cause

Format 1: The source currently has some indirect tracks. This means that another snap took place with this source identified as the target of that snap.

Format 2: Cascading thick and thin devices is not allowed.

Action

Format 1: Either rerun the request after the background copy has completed or specify a datamover on the request to allow the copy to occur through the host.

Format 2: None. Cascading thick and thin devices is not allowed.

ESNPX35E

RC=1775 - FULL DEVICE TARGET IS CURRENTLY SOURCE OF ANOTHER OPERATION

Cause

The target currently has some protected tracks. This means that another snap took place with this target identified as the source of that snap.

Action

Either rerun the request after the background copy has completed or specify a datamover on the request to allow the copy to occur through the host.

ESNPX36E

RC=1787 - REMOTE LINK IS DOWN

Cause

The remote link is down and the remote storage system is not reachable.

Action

Correct the link problem and rerun the request.

ESNPX37E

RC=178C - REMOTE SYSCALL TIMEOUT

Cause

A timeout occurred while performing a remote syscall request.

Action

Determine what caused the timeout and correct the problem. Rerun the request. If unable to determine the cause, consult with Dell EMC Customer Support.

ESNPX38E

RC=179C - MULTI-HOP SYSCALL TIMEOUT

Cause

A timeout occurred while performing a remote syscall request.

Action

Determine what caused the timeout and correct the problem. Rerun the request. If unable to determine the cause, consult with Dell EMC Customer Support.

ESNPX39E

RC=1778 - TARGET IS NOT VDEV, OR HAS AN INACTIVE SESSION PRESENT

Cause

Either the target device is not a VDEV or the target device has an inactive session present.

Action

Either correct the request or run a cleanup on the target device to remove the inactive session.

ESNPX40E

RC=172E - ATTEMPTING TO USE A TDEV THAT IS NOT BOUND

Cause

A TDEV device is referenced, but has not been bound in the operating environment.

Action

Bind the TDEV and try the request again.

ESNPX41E

RC=175B - SOURCE DEVICE HAS INDIRECT TRACKS

Cause

The source device has indirect tracks.

Action

Wait until the indirect tracks have been resolved and then try the request again.

ESNPX42E

RC=175D - SOURCE DEVICE IS TARGET OF AN INACTIVE SESSION

Cause

The source device is currently the target of a clone session that has not been activated.

Action

Either activate the inactive session or remove the inactive session.

ESNPX43E

RC=1715 - TARGET DEVICE HAS "INHIBIT OUTBOARD COPY" SET

Cause

An IBM FlashCopy request with "inhibit outboard copy" has this device blocked.

Action

Review the IBM documentation and make the device write enabled.

ESNPX44E

RC=17AE - QUICK-CONFIG CHECK FAILED

Cause

The "quick config" value being used to validate the storage system configuration is incorrect. Most likely, the configuration has changed.

Action

Rerun the request. Verify that the devices are still the correct devices.

ESNPX45E

```
RC=1777 - PARALLEL CLONE SESSIONS EXISTS, PARALLEL_CLONE(YES) NOT SPECIFIED
```

Cause

Attempting to perform a non-parallel clone operation on a parallel clone session.

Action

Contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPX46E

```
RC=175E - PERSISTENT RESTORE SESSION EXISTS, YOU MUST TERMINATE IT FIRST
```

Cause

An operation was attempted on a device that has an active persistent restore session.

Action

Either wait for the persistent restore to complete or use STOP SNAP to terminate the persistent restore.

ESNPX47E

```
RC=1704 - LOG POOL HAS NO ACTIVE DEVICES
```

Cause

While attempting to establish a virtual device with a standard device, the operating environment has detected that either the log pool name is invalid, or there are no active devices in the log pool.

Action

Either verify that the log pool name is valid or ensure that the log pool has devices in it and that there is at least one active log pool device with free tracks available.

ESNPX48E

```
RC=1761- MAX SESSIONS FOR SOURCE DEVICE
```

Cause

The number of allowed sessions on the device has been exceeded. The maximum number of sessions varies depending on the session type:

- Full device request - limit 4 sessions
- Extent (dataset) request - limit 4 sessions
- VDEV request - limit 8 sessions
- Multi-VDEV request - limit 128 sessions
- Overall - no more than a total of 16 (Full device, extent, VDEV, SDDF and other) sessions may exist on a single device at a time.

Action

Examine the existing sessions and remove those you no longer need. Then retry your request.

ESNPX49E

```
RC=176F - VDEV HAS INACTIVE DUPLICATES, TERMINATE THESE FIRST
```

Cause

A STOP SNAP is issued to a VDEV that has inactive duplicates. This means that a SNAP VOLUME request with SOURCE_VDEV and TARGET_VDEV was performed and the resulting target virtual device was never activated.

Action

Perform the following two actions:

- a) Issue a STOP SNAP to the inactive duplicate virtual devices, then issue the STOP SNAP against the original virtual device.
- b) Activate the inactive virtual devices and then issue the STOP SNAP against the original virtual device.

ESNPX50E

```
SITE LICENSE DISALLOWS CLONE OPERATIONS
```

Cause

The Site Licensed Feature Code does not allow full device clone operations (TimeFinder/Clone).

Action

Add the appropriate clone Licensed Feature Code to SCF. You may need to contact your local Dell EMC sales representative to obtain the code.

ESNPX51E

```
CONTROLLER LICENSE DISALLOWS CLONE OPERATIONS - SERIAL#: symm-serial
```

Cause

The storage system LFC does not allow full device clone operations (TimeFinder/Clone) on the specified storage system.

Action

Add the appropriate clone licensed feature code to the storage system. You may need to contact your local Dell EMC sales representative to obtain the code.

This message is accompanied by ESNPX53E which provides more explanatory information and directs you to your Dell EMC representative.

ESNPX52E

```
@EMCKFI FAILED CHECKING CONTROLLER symm-serial, R15: xxxxxxxx R0: xxxxxxxx
```

Cause

#EMCKFI returned an error while attempting to check the LFC for the specified storage system.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPX53E

```
TO FIND OUT MORE OR OBTAIN THE NECESSARY LFC CONTACT YOUR LOCAL EMC SALES REPRESENTATIVE
```

Cause

A full device clone operation was attempted without enabling the feature.

Action

Add the clone Licensed Feature Code to SCF. You may need to contact your local Dell EMC Sales representative to obtain the code.

ESNPX54E

```
UNABLE TO VALIDATE CONTROLLER LICENSE, CONTROLLER NOT DEFINED TO
SCF - S/N symm-serial
```

Cause

An attempt to validate the storage system license failed. The device storage system is not defined to SCF.

Action

Either review the SCF devices and ensure that the device is included in SCF or correct the device reference to a valid SCF device.

ESNPX55E

```
TO FIND OUT MORE OR OBTAIN THE NECESSARY ELM CONTACT YOUR LOCAL
EMC SALES REPRESENTATIVE
```

Cause

A full device clone operation was attempted without enabling the feature

Action

Add the clone eLicenses to your storage systems. You may need to contact your local Dell EMC sales representative to obtain the code.

ESNPX60E

```
SITE LICENSE DISALLOWS EXTENT SNAP OPERATIONS
```

Cause

The Site Licensed Feature Code does not allow extent snap operations (TimeFinder/Clone).

Action

Add the appropriate extent snap Licensed Feature Code to SCF. You may need to contact your local Dell EMC sales representative to obtain the code.

ESNPX61E

```
CONTROLLER LICENSE DISALLOWS EXTENT SNAP OPERATIONS - SERIAL#:
symm-serial
```

Cause

The storage system Licensed Feature Code does not allow extent snap operations (TimeFinder/Clone) on the specified storage system.

Action

Add the appropriate extent snap Licensed Feature Code to the storage system. You may need to contact your local Dell EMC sales representative to obtain the code.

ESNPX62E

```
@EMCKFI FAILED CHECKING CONTROLLER symm-serial, R15: xxxxxxxx R0:
```

XXXXXXXXXX

Cause

#EMCKFI returned an error while attempting to check the LFC for the specified controller.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPX63E

TO FIND OUT MORE OR OBTAIN THE NECESSARY LFC CONTACT YOUR LOCAL EMC SALES REPRESENTATIVE

Cause

An extent snap operation was attempted without enabling the feature.

Action

Add the extent snap licensed feature code to SCF. You may need to contact your local Dell EMC Sales representative to obtain the code.

ESNPX64E

UNABLE TO VALIDATE CONTROLLER LICENSE, CONTROLLER NOT DEFINED TO SCF - S/N *symm-serial*

Cause

An attempt to validate the controller license failed. The device controller is not defined to SCF.

Action

Either review the SCF devices and ensure that that the device is included in SCF, or correct the device reference to a valid SCF device.

ESNPX70E

EMC SNAP API - I/O ERROR ESTABLISHING MULTI VIRTUAL DEVICE

Cause

A syscall (814F) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

ESNPX71E

EMC SNAP API - I/O ERROR ACTIVATING MULTI VIRTUAL DEVICE

Cause

A syscall (814F) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the

SYSLOG, the job log, and all relevant job documentation.

ESNPX72E

EMC SNAP API - ESTABLISH FAILED, CASCADING LIMIT EXCEEDED

Cause

An establish operation failed because the number of cascading clone devices has been exceeded.

Action

Refer to the product manual for a description of cascading clone. At this time, no more than three devices may be involved in a cascading clone relationship. In order to create this new relationship, one of the cascading sessions involving these devices must be terminated.

ESNPX73E

EMC SNAP API - I/O ERROR PERSISTENT RESTORE MULTI VIRTUAL

Cause

An error occurred while attempting to perform a persistent restore.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

ESNPX74E

EMC SNAP API - FBA REQUIRES FULL DEVICE SETTING

Cause

An operation is being performed on a FBA device. The operation is not a full device operation.

Action

Choose another device.

ESNPX75E

EMC SNAP API - ERROR OBTAINING RD56 INFORMATION

Cause

An error occurred while obtain RAID 5 or RAID 6 device information.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPX76E

EMC SNAP API - NO DIRECTOR FOUND FOR OPERATION

Cause

An operation requires a specific DA director, and none was found.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPX77E

EMC SNAP API - RESTORE FAILED, DEVICE HAS SESSIONS

Cause

A restore operation was requested. The restore-to device has protection sessions active on it.

Action

(1) Cleanup and stop all active session on the restore-to device, or(2) restore to a different device.

ESNPX78E

EMC SNAP API - NO REMOTE ADAPTER AVAILABLE FOR OPERATION

Cause

A remote request was attempted that requires host adaptors to execute the request. The remote storage system does not have any host adaptors available.

Action

(1) Install a host adaptor in the remote storage system, or (2) Choose a different operation or storage system.

ESNPX79E

EMC SNAP API - I/O ERROR REESTABLISHING MULTI DEVICE VIRTUAL

Cause

An error occurred while attempting to re-establish a virtual device.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

ESNPX80E

LOGPOOL API - ATTEMPT TO DRAIN A DEVICE THAT IS IN A BAD POOL

Cause

A CONFIGPOOL request was made to drain a device that is in a bad pool.

Action

Use the Pool Management Batch Utility described in the *ResourcePak Base for z/OS Product Guide*.

ESNPX81E

LOGPOOL API - EYECATCHER IN ESF\$GPMB IS NOT VALID

Cause

An internal error was detected.

Action

Use the Pool Management Batch Utility described in the *ResourcePak Base for z/OS Product Guide*.

ESNPX82E

LOGPOOL API - VERSION NUMBER IN ESF\$GPMB IS NOT VALID

Cause

An internal error was detected.

Action

Use the Pool Management Batch Utility described in the *ResourcePak Base for z/OS Product Guide*.

ESNPX83E

LOGPOOL API - VALUE OF LENGTH IN ESF\$GPMB IS NOT VALID

Cause

An internal error was detected.

Action

Use the Pool Management Batch Utility described in the *ResourcePak Base for z/OS Product Guide*.

ESNPX84E

LOGPOOL API - SCFKFI FEATURE REGISTRATION CHECK FAILED

Cause

An internal error was detected.

Action

Use the Pool Management Batch Utility described in the *ResourcePak Base for z/OS Product Guide*.

ESNPX85E

LOGPOOL API - MICROCODE LEVEL IS TOO LOW TO SUPPORT THE REQUEST

Cause

The request is being run against a storage system that does not support it.

Action

Use the Pool Management Batch Utility described in the *ResourcePak Base for z/OS Product Guide*.

ESNPX86E

LOGPOOL API - DEVICE IS WRONG STORAGE CLASS FOR POOL

Cause

Internal error.

Action

Use the Pool Management Batch Utility described in the *ResourcePak Base for z/OS Product Guide*.

ESNPX87E

LOGPOOL API - DEFAULT POOL CANNOT BE RENAMED

Cause

Internal error.

Action

Use the Pool Management Batch Utility described in the *ResourcePak Base for z/OS Product Guide*.

ESNPX88E

```
LOGPOOL API - POOL CANNOT BE RENAMED TO DEFAULT NAME
```

Cause

Internal error.

Action

Use the Pool Management Batch Utility described in the *ResourcePak Base for z/OS Product Guide*.

ESNPX89E

```
LOGPOOL API - TRIED TO RENAME A POOL THAT DOES NOT EXIST
```

Cause

Internal error.

Action

Use the Pool Management Batch Utility described in the *ResourcePak Base for z/OS Product Guide*.

ESNPX90I

```
PROCESSING FOR STATEMENT stmt# BEGINNING, COMPARE DATA SET REQUEST
```

Cause

Processing of the COMPARE DATASET statement is beginning.

Action

None.

ESNPX91I

```
PROCESSING FOR STATEMENT stmt# COMPLETED, HIGHEST RETURN CODE  
ENCOUNTERED IS rc
```

Cause

Processing of the COMPARE DATASET statement has completed.

Action

None.

ESNPX92I

```
SOURCE MASK: source-mask
```

Cause

This message immediately follows message ESNPX90I indicating the source dataset name mask.

Action

None.

ESNPX93I

TARGET MASK: *target-mask*

Cause

This message immediately follows message ESNPX92I indicating the target dataset name mask.

Action

None

ESNPX94I

EXCLUDE MASK: *exclude-mask*

Cause

This message immediately follows message ESNPX93I and identifies the exclude dataset name mask (if present).

Action

None

ESNPX95I

SOURCE DDNAME: *ddname*

Cause

This message immediately follows message ESNPX90I identifying the source DD statement used.

Action

None

ESNPX96I

TARGET DDNAME: *ddname*

Cause

This message follows message ESNPX90I identifying the target DD statement used.

Action

None

ESNPX97I

PROCESSING BYPASSED DUE TO TYPRUN(NORUN) OPTION

Cause

TYPRUN=NORUN was specified and all action processing is bypassed.

Action

Verify that the processing will produce the desired results and run again without TYPRUN=NORUN.

ESNPX98I

SRCE DSN: *dsname* TRGT DSN: *dsname*

Cause

TYPRUN=NORUN was requested. This message identifies the source and target

datasets that would be snapped if the run was to be processed.

Action

None.

ESNPX99I

```
RENAME OLD: dsname NEW: dsname
```

Cause

The list of RENAMEUNCONDITIONAL pairs are listed in processing sequence.

Action

None

ESNPY00I

```
PROCESSING FOR STATEMENT stmt# BEGINNING, COMPARE FROM VOLUME  
volser TO VOLUME volser
```

Cause

Processing for the indicated COMPARE VOLUME command is beginning.

Action

None.

ESNPY01I

```
PROCESSING FOR STATEMENT stmt# COMPLETED, HIGHEST RETURN CODE  
ENCOUNTERED IS rc
```

Cause

Processing for indicated COMPARE VOLUME command is beginning.

Action

None.

ESNPY02I

```
PROCESSING BYPASSED DUE TO TYPRUN(NORUN) OPTION
```

Cause

TYPRUN=NORUN was specified and all action processing is bypassed.

Action

Verify that the processing produces the desired results and run again without TYPRUN=HOLD.

ESNPY03E

```
UNABLE TO COMPARE VOLUME volser - SOURCE DEVICE IS IN A NOT-READY  
STATE
```

Cause

The source device is currently not-ready and cannot be read to perform the compare.

Action

Make the device ready and run the request again.

ESNPY04E

UNABLE TO COMPARE VOLUME *volser* - TARGET DEVICE IS IN A NOT-READY STATE '

Cause

The target device is currently not ready and cannot be read to perform the compare.

Action

Make the device ready and run the request again.

ESNPY10I

API COMPARE DATASET REQUEST PROCESSED

Cause

A COMPARE DATASET command was encountered by the API interface.

Action

None

ESNPY20I

API COMPARE VOLUME REQUEST PROCESSED

Cause

A COMPARE VOLUME command was encountered by the API interface.

Action

None

ESNPY30I

MISMATCH ON SYS1.VTOCIX DATASET NAME, YOU SHOULD MANUALLY VERIFY THESE CONTENTS

Cause

The SYS1.VTOCIX dataset contents do not verify. If the volume label has changed, or a dataset name has changed, or a dataset added or removed, this would be expected.

Action

None.

ESNPY31I

MISMATCH ON SYS1.VVDS DATASET NAME, YOU SHOULD MANUALLY VERIFY THESE CONTENTS

Cause

The SYS1.VVDS dataset contents do not verify. If the volume label has changed, or a dataset name has changed, or a dataset added or removed, this would be expected.

Action

None.

ESNPY32I

MISMATCH ON LABEL, YOU SHOULD MANUALLY VERIFY THESE CONTENTS

Cause

The label on the devices do not match.

Action

None.

ESNPY33I

MISMATCH IN VTOC INDEX (VIXM), YOU SHOULD MANUALLY VERIFY THESE CONTENTS

Cause

The SYS1.VTOCIX dataset contents do not verify. If the volume label has changed, or a dataset name has changed, or a dataset added or removed, this would be expected.

Action

None.

ESNPY34I

MISMATCH IN VTOC INDEX (VIER), YOU SHOULD MANUALLY VERIFY THESE CONTENTS

Cause

The SYS1.VTOCIX dataset contents do not verify. If the volume label has changed, or a dataset name has changed, or a dataset added or removed, this would be expected.

Action

None.

ESNPY35I

MISMATCH IN VTOC RECORD, YOU SHOULD MANUALLY VERIFY THESE CONTENTS

Cause

The VTOC contents do not verify. If the volume label has changed, or a dataset name has changed, or a dataset added or removed, this would be expected.

Action

None.

ESNPY36I

MISMATCH IN VVDS, YOU SHOULD MANUALLY VERIFY THESE CONTENTS

Cause

The VVDS dataset contents do not verify. If the volume label has changed, or a dataset name has changed, or a dataset added or removed, this would be expected.

Action

None.

ESNPY42E

EMC SNAP API - TIMEOUT - SESSION IS NOCOPY, CANNOT AUTO-TERMINATE

Cause

Waiting for a session to terminate, session is NOCOPY and will not auto-terminate.

Action

Use CONFIG to change the session to MODE(COPY). It should then auto-terminate after the copy is complete.

Use STOP SNAP to terminate and remove the session.

ESNPY43E

EMC SNAP API - TIMEOUT - MULTI-VIRTUAL ESTABLISH

Cause

While processing a multi-virtual establish, the operation timed out.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPY44E

EMC SNAP API - MULTI-VIRTUAL - SESSION GONE OR IN ERROR

Cause

While processing a multi-virtual establish, the session disappeared.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPY45E

EMC SNAP API - TIMEOUT - MULTI-VIRTUAL REMOVE

Cause

While processing a multi-virtual terminate, the operation timed out and the session did not go away.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPY46E

EMC SNAP API - TIMEOUT - MULTI-DEVICE - SESSION NOT REMOVED

Cause

While processing a multi-device terminate, the operation timed out and the session did not go away.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPY47E

EMC SNAP API - MULTI-DEVICE - BACKGROUND COPY STALLED

Cause

While waiting for a multi-device background copy to complete, at least one minute passed when no tracks were copied.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPY48E

EMC SNAP API - MULTI-DEVICE - SESSION IN ERROR

Cause

While waiting for a multi-device background copy to complete, a session was marked in error.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPY49E

EMC SNAP API - TIMEOUT CREATING RESTORE SESSION

Cause

While processing a restore request, the operation timed out without the session being created.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPY50E

EMC SNAP API - BACKGROUND COPY STALLED

Cause

While waiting for a background copy to complete, at least one minute passed when no tracks were copied.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPY51E

EMC SNAP API - TIMEOUT - NATIVE EXTENT WITHDRAW

Cause

While waiting for a native extent withdraw to complete, the operation timed out without the extent being removed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPY52E

EMC SNAP API - TIMEOUT - NATIVE EXTENT ESTABLISH

Cause

While waiting for a native extent establish to complete, the operation timed out without the establish completing.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPY53E

EMC SNAP API - TIMEOUT - EXTENT ESTABLISH

Cause

While waiting for an extent establish to complete, the operation timed out without the establish completing.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPY54E

EMC SNAP API - TIMEOUT - SESSION NOT REMOVED

Cause

While processing a session terminate, the operation timed out and the session did not go away.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPY55E

EMC SNAP API - TIMEOUT - LAST REQUEST NOT COMPLETE

Cause

While processing a request, the session disappeared or was marked in error.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPY56E

EMC SNAP API - ACTIVATE FAILED, THE SOURCE DEVICE HAS TRACKS TO BE COPIED

Cause

A source device in the SNAP VOLUME command is a target that has tracks to be copied.

Action

Wait until all tracks are copied and retry.

ESNPY60W

```
LOGPOOL poolname DOES NOT HAVE ANY ENABLED DEVICES WITH AVAILABLE TRACKS
```

Cause

A SNAP VOLUME statement for a virtual device referenced a poolname that does not have any enabled log devices that have available track space.

Action

- (1) To free up used space in a logpool, perform a STOP SNAP against a virtual device that is in the referenced pool.
- (2) If there are disabled log devices in the pool with available track space, enabled some of the disabled devices.
- (3) Specify a different log pool that has available track space.

ESNPY69E

```
UNABLE TO SNAP A GUEST OS DEVICE - volser (S/N symm-serial/symdv#)
```

Cause

The device specified is a guest operating system device and may not be snapped.

Action

Choose another device.

ESNPY70E

```
UNABLE TO SNAP A DDEV DEVICE - volser S/N symm-serial/symdv#
```

Cause

The device specified is a DDEV device and may not be snapped.

Action

Choose another device.

ESNPY71E

```
UNABLE TO SNAP A COVD DEVICE - volser S/N symm-serial/symdv#
```

Cause

The device specified is a COVD device and may not be snapped.

Action

Choose another device.

ESNPY72E

```
UNABLE TO SNAP A MIGRATION DEVICE - volser S/N symm-serial/symdv#
```

Cause

The device specified is involved in a migration and may not be snapped.

Action

Choose another device.

ESNPY73E

```
UNABLE TO SNAP AN INTERNAL LOG DEVICE - volser S/N symm-serial/symdv#
```

Cause

The device specified is an internal log device and may not be snapped.

Action

Choose another device.

ESNPY74E

```
SELECTED TDEV IS NOT BOUND - volser (S/N symm-serial/symdv#)
```

Cause

An operation has been requested with a thin device. The indicated device has not been bound to a data device in a thin pool.

Action

- (1) Bind the device and retry the operation,
- or
- (2) Choose another device.

ESNPY75E

```
UNABLE TO SNAP AN FBA META DEVICE - volser S/N symm-serial/symdv#
```

Cause

An operation has been requested with an FBA meta device but FBA meta device processing has not been enabled.

Action

Specify ALLOW_FBA_META(Y) and retry.

ESNPY76I

```
TARGET R1 DEVICE, MODE(NOCOPY/VSE) IGNORED - volser (S/N symm-serial/symdv#)
```

Cause

MODE(NOCOPY) or MODE(NOCOPYRD) or MODE(VSE) was specified and the statement targets a SRDF R1 device. These modes prevent the data from being physically copied to the R1 device, and thus the R2 device. MODE(NOCOPY) or MODE(NOCOPYRD) or MODE(VSE) will be ignored in this situation.

Action

None.

ESNPY77E

```
DEVICE IS NOT DEFINED - volser (S/N symm-serial/symdv#)
```

Cause

The device specified is not a valid device in the storage system.

Action

Choose another device.

ESNPY78E

UNABLE TO SNAP A SPACE EFFICIENT DEVICE - *volser* (S/N *symm-serial/symdv#*)

Cause

A space efficient device may not be used for snap or clone operations.

Action

Choose another device (non-space efficient).

ESNPY79E

UNABLE TO SNAP A CKD META MEMBER DEVICE - *volser* (S/N *symm-serial/symdv#*)

Cause

A CKD meta member device may not be used in a snap or clone operation.

Action

Typically, a CKD meta member is part of a RAID-10 device. Specify the head of the RAID-10 device and the whole device (including all the members) will be snapped or cloned.

ESNPY80E

UNABLE TO ALLOCATE DDNAME TO SOURCE DATASET - *dsname*

Cause

An attempt to allocate a ddname to the source dataset failed. This is necessary for the type of logical data mover specified.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPY81E

UNABLE TO ALLOCATE DDNAME TO TARGET DATASET - *dsname*

Cause

An attempt to allocate a ddname to the target dataset failed. This is necessary for the type of logical data mover specified.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPY82E

IDCAMS REPRO FAILED FOR SOURCE DATASET - *dsname*

Cause

The IDCAMS REPRO logical data mover operation failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPY91E

```
CONTROLLER LICENSE DISALLOWS THIN OPERATIONS - SERIAL#: symm-serial
```

Cause

The storage system LFC does not allow thin device operations on the specified storage system.

Action

Add the thin device license code to SCF. You may need to contact your local Dell EMC sales representative to obtain the code.

ESNPY92E

```
@EMCKFI FAILED CHECKING CONTROLLER symm-serial, R15: xxxxxxxx R0: xxxxxxxx
```

Cause

#EMCKFI returned an error while attempting to check the LFC for the specified storage system.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPY93E

```
TO FIND OUT MORE OR OBTAIN THE NECESSARY LFC CONTACT YOUR LOCAL EMC SALES REPRESENTATIVE
```

Cause

A thin device operation was attempted without enabled the feature.

Action

Add the thin device licensed feature code to SCF. You may need to contact your local Dell EMC sales representative to obtain the code.

ESNPY94E

```
UNABLE TO VALIDATE CONTROLLER LICENSE, CONTROLLER NOT DEFINED TO SCF - S/N symm-serial
```

Cause

An attempt to validate the storage system license failed. The device storage system is not defined to SCF.

Action

Either review the SCF devices and ensure that the device is included in SCF or correct the device reference to a valid SCF device.

ESNPY95E

```
TO FIND OUT MORE OR OBTAIN THE NECESSARY ELC CONTACT YOUR LOCAL EMC SALES REPRESENTATIVE
```

Cause

A thin device operation was attempted without enabled the feature.

Action

Add the thin device eLicenses to your storage systems. You may need to contact your local Dell EMC sales representative to obtain the code

ESNPZ00E

EMC SNAP API - I/O ERROR SNAP/SNAP MULTI DEVICE VIRTUAL

Cause

An I/O error occurred while attempting to copy a virtual device to another virtual device.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

ESNPZ01E

EMC SNAP API - I/O ERROR PERFORMING NATIVE EXTENTS ACTIVATE

Cause

An I/O error occurred while attempting to active a consistent dataset snap.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

ESNPZ02E

EMC SNAP API - I/O ERROR PERFORMING MULTI-DEVICE VIRTUAL TERMINATE

Cause

An I/O error occurred while terminating a VDEV session.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

ESNPZ03E

EMC SNAP API - I/O ERROR PERFORMING MULTI-DEVICE VIRTUAL ACTIVATE

Cause

An I/O error occurred while activate a VDEV session.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

ESNPZ04E

EMC SNAP API - I/O ERROR PERFORMING MULTI-DEVICE VIRTUAL RESTORE

Cause

An I/O error occurred while attempting to restore a VDEV.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

ESNPZ05E

```
EMC SNAP API - I/O ERROR PERFORMING MULTI-DEVICE VIRTUAL ESTABLISH
```

Cause

An I/O error occurred while establishing a VDEV session.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

ESNPZ06E

```
EMC SNAP API - MISSING REQUIRED MICROCODE FIX - xxxxx
```

Cause

The indicated fix is required for this operation, but not found in the storage system.

Action

Contact Dell EMC Customer Support to have the fix installed on the storage system.

ESNPZ07E

```
EMC SNAP API - SOURCE VDEV NOT ESTABLISHED
```

Cause

An attempt has been made to copy a source virtual device to another device. The source virtual device has not been established.

Action

Either choose another device or establish the source virtual device.

ESNPZ08E

```
EMC SNAP API - I/O ERROR, QUICK CONFIG
```

Cause

A syscall (0191) I/O failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPZ09E

```
EMC SNAP API - I/O ERROR WITHDRAWING EXTENTS IN EXTENT TRACK
```

Cause

An I/O error occurred while withdrawing extents from the extent track.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPZ10E

```
ALLOW_FLASHCOPY (YES/NO) NOT VALID FOR VIRTUAL DEVICES
```

Cause

ALLOW_FLASHCOPY(YES) or ALLOW_FLASHCOPY(NO) was specified. This is only valid if used with Dell EMC standard devices.

Action

Remove the ALLOW_FLASHCOPY parameter from the CONFIG statement.

ESNPZ11E

```
RDF_TRACK_LEVEL_CONSISTENCY (NO) ONLY VALID FOR EMC DEVICES
```

Cause

Request to change RDF_TRACK_LEVEL_CONSISTENCY is being issued for non-Dell EMC devices.

Action

Only use RDF_TRACK_LEVEL_CONSISTENCY with Dell EMC devices.

ESNPZ12E

```
RDF_TRACK_LEVEL_CONSISTENCY (NO) NOT VALID FOR VIRTUAL DEVICES
```

Cause

A request for RDF_TRACK_LEVEL_CONSISTENCY is being used with virtual devices.

Action

Do not use RDF_TRACK_LEVEL_CONSISTENCY with virtual devices.

ESNPZ13I

```
SET SNAPSHOT SECURE REQUEST COMPLETED
```

Cause

The request to set the snapshot secure completed successfully.

Action

None.

ESNPZ14E

```
SET SNAPSHOT SECURE REQUEST FAILED
```

Cause

The request to set the snapshot secure has failed.

Action

Investigate the reason for the failure, correct the problem and retry.

ESNPZ20I

SET REPLICATION REQUEST COMPLETED

Cause

The request to set REPLICATION has completed.

Action

None.

ESNPZ21E

SET REPLICATION REQUEST FAILED

Cause

The request to set REPLICATION has failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

ESNPZ22I

SET REPLICATION IS ONLY SUPPORTED ON MICROCODE LEVELS 5X75 AND HIGHER

Cause

A CONFIG request to change the "inhibit outboard copy" setting has failed. The operating environment of the storage system does not support this operation.

Action

Review the IBM documentation and utilize the IBM utilities to change the "inhibit outboard copy" setting.

ESNPZ30I

INTERNAL PRINT BUFFER OVERFLOW, STORED PRINT FOLLOWS

Cause

Internal memory holding print buffer images is full. The current contents will be printed.

Action

None.

ESNPZ31I

INTERNAL PRINT BUFFER OVERFLOW, STORED PRINT FOLLOWS

Cause

Internal memory holding print buffer images is full. The current contents will be printed.

Action

None.

ESNPZ40E

INTERNAL EXTENT TABLE SIZE EXCEEDED

Cause

Too many extents are being referenced at one time.

Action

Break up the single command into multiple commands.

ESNPZ41E

```
INTERNAL SORT FAILED WITH CODE xxxx
```

Cause

The internal sort has failed with the indicated code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPZ42I

```
EXTENT#: nnnnn VOLSER: volser CCHH: xxxxxxxx - xxxxxxxx SESSION:  
xxxx SRC-DIF: xxxxxxxx TGT-DIF: xxxxxxxx
```

Cause

Informational message about dataset extents. For each extent, the extent number, volser, starting and ending CCCH, session id, and the number of differential tracks for the source and target.

Action

None.

ESNPZ50I

```
LOCAL MODE SITE OVERRIDES (FOR LAB USE)
```

Cause

Internal Dell EMC Lab use detected. Certain default values are overridden.

Action

None.

ESNPZ51I

```
parameter_name: value
```

Cause

See message ESNPZ50I. This message identifies a overridden value.

Action

None.

ESNPZ60E | ESNPZ60W

```
PARALLEL_CLONE REQUESTED, SOURCE MICROCODE LEVEL DOES NOT SUPPORT  
PARALLEL CLONE - xxxx
```

Cause

PARALLEL_CLONE(YES) was specified. The operating environment level on the storage system does not support parallel clone.

When PARALLEL_CLONE is set to REQUIRED, this message is issued as an error message; otherwise, it is a warning. Parallel clone will not be used.

Action

None.

ESNPZ61E | ESNPZ61W

```
PARALLEL_CLONE REQUESTED, SOURCE AND TARGET IN DIFFERENT  
CONTROLLERS, SOURCE=XXXXXXXXXXXXX TARGET=XXXXXXXXXXXXX
```

Cause

PARALLEL_CLONE(YES) was specified. There are several conditions that must be met for parallel clone to be used. One is that the source and target devices must be in the same storage system. Another is that the corresponding R2 devices must be together in the same remote storage system.

When PARALLEL_CLONE is set to REQUIRED, this message is issued as an error message; otherwise, it is a warning. Parallel clone will not be used.

Action

None.

ESNPZ62E | ESNPZ62W

```
PARALLEL_CLONE REQUESTED, srctgt HAS NO ACTIVE R2 DEVICES
```

Cause

The target device of a SNAP operation does not have an active R2 device that a parallel clone operation requires.

When PARALLEL_CLONE is set to REQUIRED, this message is issued as an error message; otherwise, it is a warning.

Action

If the parallel clone is required, ensure that the target device is an R1 device that has an active R2 device. If the parallel clone operation is not required, set PARALLEL_CLONE to NO.

ESNPZ63E | ESNPZ63W

```
PARALLEL_CLONE REQUESTED, srctgt HAS SRDF/A R2 ATTACHED
```

Cause

PARALLEL_CLONE(YES) was specified. The indicated device (SOURCE or TARGET) has an SRDF/A R2 attached.

When PARALLEL_CLONE is set to REQUIRED, this message is issued as an error message; otherwise, it is a warning. Parallel clone will not be used.

Action

None.

ESNPZ64E | ESNPZ64W

```
PARALLEL_CLONE REQUESTED, NO REMOTE MATCHES FOUND BETWEEN SOURCE  
AND TARGET DEVICES
```

Cause

PARALLEL_CLONE(YES) was specified. There are several conditions that must be met for parallel clone to be used. One is that the source and target devices must be in the same storage system. Another is that the corresponding R2 devices must be together in the same remote storage system.

When PARALLEL_CLONE is set to REQUIRED, this message is issued as an error message; otherwise, it is a warning. Parallel clone will not be used.

Action

None.

ESNPZ65E | ESNPZ65W

PARALLEL_CLONE REQUESTED, *srctgt* IS AN R11

Cause

PARALLEL_CLONE(YES) was specified. R11 devices are not supported with parallel clone. When PARALLEL_CLONE is set to REQUIRED, this message is issued as an error message; otherwise, it is a warning. Parallel clone will not be used.

Action

None.

ESNPZ66E | ESNPZ66W

PARALLEL_CLONE REQUESTED, *srctgt* DEVICE IS NOT A R1 DEVICE

Cause

PARALLEL_CLONE(YES) was specified. Both the source and target devices must be active R1 devices.

When PARALLEL_CLONE is set to REQUIRED, this message is issued as an error message; otherwise, it is a warning. Parallel clone will not be used.

Action

None.

ESNPZ67E | ESNPZ67W

PARALLEL_CLONE REQUESTED, *srctgt* DEVICE IS A FBA DEVICE, NOT SUPPORTED

Cause

PARALLEL_CLONE(YES) was specified. Parallel clone is only supported on CKD devices. When PARALLEL_CLONE is set to REQUIRED, this message is issued as an error message; otherwise, it is a warning. Parallel clone will not be used.

Action

None.

ESNPZ68E | ESNPZ68W

PARALLEL_CLONE REQUESTED, R2 DEVICE IS NOT ACTIVE ON LINK

Cause

PARALLEL_CLONE(YES) was specified. Both the source and target devices must be active R1 devices with active connections to the corresponding R2 devices.

When PARALLEL_CLONE is set to REQUIRED, this message is issued as an error message; otherwise, it is a warning. Parallel clone will not be used.

Action

None.

ESNPZ69E | ESNPZ69W

PARALLEL_CLONE REQUESTED, R2 DEVICE MUST BE SAME SIZE AS R1 DEVICE

Cause

PARALLEL_CLONE(YES) was specified. The R1 and R2 devices must be configured as the same size device.

When PARALLEL_CLONE is set to REQUIRED, this message is issued as an error

message; otherwise, it is a warning. Parallel clone will not be used.

Action

None.

ESNPZ6AE | ESNPZ6AW

```
PARALLEL_CLONE REQUESTED, LOCAL MICROCODE LEVEL - level WITH  
REMOTE MICROCODE LEVEL - level NOT SUPPORTED
```

Cause

Parallel clone was requested but the combination of the indicated operating environment levels is not supported for parallel clone.

When PARALLEL_CLONE is set to REQUIRED, this message is issued as an error message; otherwise, it is a warning. Parallel clone will not be used.

Action

None.

ESNPZ70E

```
UNABLE TO ALLOCATE DATASET, EXTENT ALLOCATION REQUIRED, BUT NOT  
AVAILABLE
```

Cause

The request to allocate a dataset cannot occur. Because of the dataset type (refer to following message), allocation of the dataset requires extent allocation. But the user has specified EXTENT_ALLOCATION(NO), preventing this from occurring.

Action

Rerun and specify omit the EXTENT_ALLOCATION parameter, or specify EXTENT_ALLOCATION(YES).

ESNPZ71I

```
POTENTIAL CI/CA ISSUE BASED ON ALLOCATION SPACE
```

Cause

The source dataset primary space allocation is less than the secondary space allocation and the total space is greater than the primary space allocation and the allocation unit size is less than one cylinder.

Action

Extent allocation is required. See message ESNPZ70E.

ESNPZ72I

```
POTENTIAL CI/CA ISSUE, CA SIZE HAS TO BE 1, 3, 5, 7, 9, OR 15  
TRACKS
```

Cause

The source dataset CA size is not 1, 3, 5, 7, 9 or 15. When using zOS allocation methods, the new target dataset will have a CA size of 1, 3, 5, 7, 9 or 15. This is not compatible.

Action

Extent allocation is required. See message ESNPZ70E.

ESNPZ73I

```
EXTENDED FORMAT DATASET WITH STRIPE COUNT = 1
```

Cause

The source dataset is a non-VSAM extended format dataset with stripe count of 1.

Action

Extent allocation is required. See message ESNPZ70E.

ESNPZ74I

COMPRESSED DATASET TOO SMALL FOR COMPRESSED ATTRIBUTE

Cause

The source dataset is a compressed dataset, but is too small for the compressed attribute. This can occur when a dataset is originally allocated large enough to be compressed, but then has unused space released.

Action

Extent allocation is required. See message ESNPZ70E.

ESNPZ75I

COMPRESSED DATASET TOO SMALL FOR COMPRESSED ATTRIBUTE

Cause

The source dataset is a compressed dataset, but is too small for the compressed attribute. This can occur when a dataset is originally allocated large enough to be compressed, but then has unused space released.

Action

Extent allocation is required. See message ESNPZ70E.

ESNPZ76W

CONSISTENCY ON THE REMOTE SIDE CANNOT BE GUARANTEED

Cause

The operating environment is not in a state that enables a parallel clone operation. The PARALLEL_CLONE parameter is not set to REQUIRED so processing continues but without parallel cloning. There is a message prior to this one that defines what caused parallel cloning to be switched off.

Action

If parallel cloning is required, examine the QCOUPTPUT log file for a warning message that describes the configuration problem and, optionally, set PARALLEL_CLONE to REQUIRED if failing the job when parallel cloning cannot be achieved is the desired outcome.

ESNPZ80I

UNABLE TO OBTAIN IOCTOKEN FROM IOCINFO, RC=xxxxxxxx, RS=xxxxxxxx

Cause

An attempt to obtain the IOCTOKEN from zOS using IOCINFO has failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPZ90E

UNABLE TO PIN UCB (xxxxxxx), REASON=xxxxxxx

Cause

An attempt to PIN the UCB has failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESNPZ91E

UNABLE TO PIN UCB, CONFIGURATION CHANGE DETECTED

Cause

An attempt to PIN the UCB has failed. A configuration change has been detected. When EMCSNAP initiates, IOCINFO is used to obtain a configuration token. A configuration change has occurred that has changed the value of the valid token.

Action

Rerun the job. Ensure that EMCSNAP is not run while configuration changes are occurring.

ESNPZ92E

UNABLE TO PIN UCB, UNKNOWN ERROR OCCURRED

Cause

An attempt to PIN the UCB has failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESVP001S

ERROR, NO PARAMETER

Cause

No parameters supplied.

Action

Correct and submit again.

ESVP002S

ERROR, NOT APF AUTHORIZED

Cause

The library containing EMCSNVPS is not authorized.

Action

Authorize the library and submit again.

ESVP010E

INVALID REQUEST

Cause

The request is not a valid QUERY or SET.

Action

Correct and submit again.

ESVP011E

VOLUME PREFERENCING KEYWORD MISSING FROM QUERY REQUEST

Cause

Missing keyword.

Action

Correct and submit again.

ESVP012E

VOLUME PREFERENCING KEYWORD MISSING FROM SET REQUEST

Cause

Missing keyword.

Action

Correct and submit again.

ESVP013E

STATUS PARAMETER REQUIRED ON SET REQUEST

Cause

Required parameter missing.

Action

Correct and submit again.

ESVP020I

IT APPEARS THAT THE EMC VOLUME PREFERENCING SELECTION EXIT IS NOT IN PLACE - CODE

Cause

Check that the intercept utility EMCVLPRF is installed and activated.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESVP021I

EMC VOLUME PREFERENCING SELECTION EXIT IS INSTALLED AND ACTIVE

Cause

This message confirms that the indicated exit is installed and active.

Action

None.

ESVP022I

EMC VOLUME PREFERENCING SELECTION EXIT IS NOT IN PLACE

Cause

Check that the intercept utility EMCVLPRF is installed and activated.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the EMDell EMCC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESVP023I

EMC VOLUME PREFERENCING SELECTION EXIT WAS ALREADY INACTIVE

Cause

The EMCVLPRF exit has already been made inactive.

Action

None.

ESVP024I

EMC VOLUME PREFERENCING SELECTION EXIT WAS ALREADY INSTALLED AND ACTIVE

Cause

Another attempt to activate the EMCVNPRF exit was made after it was already active.

Action

None.

ESVP025E

UNKNOWN ERROR OCCURRED, EMC VOLUME PREFERENCING SELECTION EXIT ACTIVATE FAILED

Cause

Unknown.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESVP026I

EMC VOLUME PREFERENCING SELECTION EXIT SUCCESSFULLY ACTIVATED

Cause

This message indicates successful activation of the exit.

Action

None.

ESVP027E

UNABLE TO LOCATE EMC VOLUME PREFERENCING SELECTION EXIT IN STEPLIB/LINKLIST

Cause

EMCVNPRF not found.

Action

Install EMCVNPRF in a STEPLIB or valid LINKLIST library and submit again.

ESVP028I

EMC VOLUME PREFERENCING SELECTION EXIT SUCCESSFULLY REMOVED

Cause

The indicated exit has been removed.

Action

None.

ESVP029I

EMC VOLUME PREFERENCING SELECTION EXIT IS INSTALLED AND NOT ACTIVE

Cause

The indicated exit is installed and not active.

Action

None.

ESVP030E

UNKNOWN ERROR OCCURRED, EMC VOLUME PREFERENCING SELECTION EXIT DEACTIVATE FAILED

Cause

An unknown error occurred.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

ESVP031I

IT APPEARS THAT THE EMC VOLUME VERIFICATION EXIT IS NOT IN PLACE CODE

Cause

The indicated exit cannot be found.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

ESVP032I

EMC VOLUME VERIFICATION EXIT IS INSTALLED AND ACTIVE

Cause

The indicated exit is installed and active.

Action

None.

ESVP033E

```
UNKNOWN ERROR OCCURRED, EMC VOLUME VERIFICATION EXIT ACTIVATE  
FAILED
```

Cause

Exit activation failed due to an unknown error.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation.

ESVP034I

```
EMC VOLUME VERIFICATION EXIT SUCCESSFULLY ACTIVATED
```

Cause

The indicated exit has been activated.

Action

None.

ESVP035E

```
UNABLE TO LOCATE EMC VOLUME VERIFICATION EXIT IN STEPLIB/LINKLIST
```

Cause

EMCVNPRF not found.

Action

Install EMCVNPRF in a STEPLIB or valid LINKLIST library and submit again.

ESVP036I

```
EMC VOLUME VERIFICATION EXIT WAS ALREADY INSTALLED AND ACTIVE
```

Cause

The indicated exit is already installed and active.

Action

None.

ESVP037E

```
UNKNOWN ERROR OCCURRED, EMC VOLUME VERIFICATION EXIT DEACTIVATE  
FAILED -
```

Cause

Exit deactivation failed due to an unknown error.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

ESVP038I

EMC VOLUME VERIFICATION EXIT SUCCESSFULLY REMOVED

Cause

The indicated exit has been removed.

Action

None.

ESVP039I

EMC VOLUME VERIFICATION EXIT IS NOT IN PLACE

Cause

EMCVNPRF not found.

Action

Install EMCVNPRF in a STEPLIB or valid LINKLIST library and submit again.

CHAPTER 6

zDP

EIP0000E

Format 1:

GNS request failed with RC: *rc*, RS: *rs* (*reason*)

Format 2:

GNS specified on unsupported cmd

Format 3:

GNS group contains no controllers

Cause

This message is issued during a Modify command to indicate a GNS error:

- Format 1: The *reason* describes the error.
- Format 2: A GNS group was referenced on a command that does not support GNS.
- Format 3: The specified GNS group contains no storage systems.

Action

Correct the condition that caused the error. If the problem persists, contact the Dell Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EIP0000W

Format 1:

GNS group contains no devices for controller

Format 2:

GNS request completed with RC: *rc* RS: *rs*

Cause

This message reports the status of the GNS request processed during a Modify command.

Action

If necessary and appropriate, correct the condition as indicated by the message text and retry.

EIP0001I

```
*** Dell EMC zDP - Vv.r.m (ptf) - SCF Vv.r.m (ptf) ***  
hh:mm:ss mm/dd/yyyy Page nnnn
```

Cause

Report header for the zDP Definition Utility (EIPINIT).

Action

None

EIP0002I

All control statements processed, highest RC *nn*

Cause

This message is issued from the zDP Definition Utility after all input statements have been

processed. RC is the highest return code encountered during processing.

Action

Investigate the cause of any error conditions.

EIP0003I

```
zDP environment removed
```

Cause

This message is issued by the zDP Definition Utility when the last VDG is removed to indicate that the zDP environment has been completely removed from the system.

Action

None.

EIP0004W

```
OPEN failed for ddname
```

Cause

The Open for DDNAME *ddname* failed.

Action

SYSIN and SYSPRINT are required.

EIP0005W

```
Only one GLOBAL statement is allowed
```

Cause

The SYSIN file contains multiple GLOBAL statements.

Action

Revise the SYSIN file to contain one GLOBAL statement.

EIP0006W

```
{VDG v dg_name|TGT tgtst_name} not found
```

Cause

A command failed due to a non-existent VDG or TGT name.

Action

Review the command to ensure the correct VDG or TGT name was specified. To display all defined objects, issue a QUERY command specifying * for the name; for example QUERY VDG(*).

EIP0007W

```
parameter not specified for command
```

Cause

A required parameter was not specified for the command.

Action

Correct the statement in error and resubmit the job.

EIP0008W

```
No devices specified for a device {ADD|REMOVE}
```

Cause

No devices were specified for a MODIFY TGT ADD|REMOVE or MODIFY VDG ADD|REMOVE command.

Action

Specify at least one device for the command.

EIP0009W

```
SYM table not found for Gatekeeper ccuu
```

Cause

An existing SYM table was not found for a device REMOVE request.

Action

Ensure the gatekeeper *ccuu* references the correct storage system.

EIP0010W

```
Device symdv# not found
```

Cause

The device number for a REMOVE request was not found.

Action

Specify an existing device for the REMOVE request.

EIP0011E

```
CCUU not supported with REMOTE, {VDG vdg_name|TGT tgtst_name},  
SYMM gk/symm-serial
```

Cause

An MVS device number is not supported on a REMOTE request.

Action

Specify a PowerMax or VMAX device number on the command, either with the SYMDEV keyword or via GNS.

EIP0012W

```
Exceeded maximum VDGs | TGTs, MAX_xxx is nn
```

Cause

The maximum number of VDGs or TGTs has been defined.

Action

Review the zDP environment. If additional objects are required, increase the maximum by specifying the MAXVDG or MAXTGT keyword.

EIP0013W

```
Invalid device range
```

Cause

An invalid device range was specified. The end device number must be higher than the start device number.

Action

Revise the device list to specify a valid device range.

EIP0014I

```
{VDG vdg_name|TGT tgtst_name} deleted
```

Cause

The indicated VDG or TGT has been successfully deleted.

Action

None.

EIP0015W

```
Duplicate device symdv# removed from {VDG vdg_name|TGT  
tgtst_name}, SYMM gk/symm-serial
```

Cause

An existing or duplicate zDP device number was specified on an ADD command. The duplicate device was removed from the definition.

Action

Validate the configuration to ensure all desired devices are included in the zDP definition.

EIP0016I

```
Removing empty SYMM, gk/symm-serial
```

Cause

When all devices for a storage system are removed from the zDP definition, the storage system entry is also removed.

Action

None.

EIP0017W

```
Removing non-empty SYMM, gk/symm-serial
```

Cause

As a result of the ALLOWNONEMPTY keyword on the DELETE VDG or DELETE TGT command, all zDP storage system definitions will be removed, including those with configured zDP devices. This message is issued for each non-empty zDP storage system.

Action

Review the zDP configuration for accuracy.

EIP0018E

```
Non-empty {VDG vdg_name|TGT tgtst_name} not deleted
```

Cause

A DELETE VDG or DELETE TGT command was issued for a VDG or TGT definition with configured zDP devices. The command is rejected.

Action

To delete the object, either remove all devices from the VDG or TGT definition or resubmit the command with the ALLOWNONEMPTY keyword.

EIP0019W

```
{CCUU ccuu|SYMDEV symdv#} not added to SYMM gk/symm-serial -
```

```
reason
```

Cause

The device was not added due to the indicated reason.

Action

Correct the error and resubmit the job.

EIP0020I

```
VDG vdg_name is {Active|Paused|Inactive}, {Cycle cycle#|next cycle  
at hh:mm:ss}
```

Cause

This message shows the VDG status as a result of a QUERY VDG command. When the status is Active, the next scheduled cycle time is displayed.

Action

None.

EIP0021I

```
Cycle_Time(mmmmm, count[, SECURE, ddd[, skip]]),  
Cycle_Overflow({IMMED|NEXT}), Consistent({YES|NO}),  
Timeout(nnn, {CONT|STOP})  
Terminate_Policy(OLDEST|STOP), Dynamic_Change({YES|NO})  
SRP_Warn%(nnn), SRP_Snap%(nnn), SRP_Term%(nnn),  
RDP_Cache_Util%(ww, cc)  
Max_Snapsets(nnnn), Saved_Snapsets(ddd, nnnn[, SECURE[, skip]]),  
Persistent_Copy_Limit(nnnn)  
Log_Opt(SCF|SYSOUT(ddname)),  
SMF(smf-id, smf-options)  
MAXRC(nn), DEBUG(debug-options)
```

Cause

This message shows the VDG attributes resulting from a QUERY VDG command.

Action

None.

EIP0022I

```
Device Query for VDG vdg_name
```

Cause

This message provides the header for a device query as a result of a QUERY VDG command with the DEVICE option.

Action

None.

EIP0023I

```
SYMM symm-serial, Microcode level major_minor, Type system_type
```

Cause

This message shows the storage system serial number, the operating environment level, and the storage system type for each storage system configured in a VDG.

Action

None.

EIP0024I

```
Gatekeeper ccuu, Device count: count[, Snapset Count: count [,  
Remote (srdfgrp[.srdfgrp])]]
```

Cause

This message shows the gatekeeper CCUU, device count, snapset count, and for a remote definition, the SRDF groups from the local to the target storage system.

Action

None.

EIP0025I

```
SRP ID/Name: srp-id/srp-name, Reserved Capacity: nn%
```

Cause

This message shows the storage resource pool (SRP) ID, name and reserved capacity percentage of the SRP.

Action

None.

EIP0026I

```
Total Capacity: capacity, Total Allocated: alloc, Snap  
Allocated: snap-alloc
```

Cause

This message shows the total capacity, total allocated tracks and Snap allocated tracks for the storage resource pool for the storage system. Track values greater than 99999 are displayed in units of K, M, or G.

Action

None.

EIP0027I

This message shows the following column names in a single row:

- CCUU
- DEVICE
- TYPE
- SIZE
- SRP ID
- RDF INFO/MODE
- [COPY_ONCE SSET]

Cause

This is the header for a device display, on behalf of a QUERY VDG command with the DEVICE option.

Action

None.

EIP0028I

Format 1 lists the following values in a single row:

- *ccuu*
- *symdv#*
- *allocated_tracks*
- *free_status*

Format 2 lists the following values in a single row:

- *ccuu*
- *symdv#[/O]*
- CKD|FBA
- *size*
- *srp_id*
- *srdf_info*
- [*srcdv/ccuu*]
- [*copy_once_snapset*]

Cause

Format 1 shows the values of the QUERY FREE report described in the *TimeFinder SnapVX and zDP Product Guide*.

Format 2 is a QUERY TGT or QUERY VDG device display described in the *TimeFinder SnapVX and zDP Product Guide*.

Action

None.

EIP0029I

```
TGT tgtst_name is {Not Linked|Linked, SNAPSET snapset_name}
```

Cause

This message shows the target set name and status. For linked target sets, the snapset name is shown.

Action

None.

EIP0030I

```
Device Query for TGT tgtst_name
```

Cause

This is a header for a TGT device query, on behalf of a QUERY TGT command with the DEVICE keyword.

Action

None.

EIP0032I

```
{CCUU ccuu|SYMDEV symdv#} added to SYMM gk/symm-serial
```

Cause

This message is issued as a result of a device ADD command with VERBOSE mode enabled. One message is issued for each device added to the zDP configuration.

Action

None.

EIP0033I

```
{CCUU ccuu|SYMDEV symdv#} removed from SYMM gk/symm-serial
```

Cause

This message is generated from a device REMOVE command with VERBOSE mode enabled. One message is issued for each device removed from the zDP configuration.

Action

None.

EIP0034I

```
command command completed
```

Cause

Indicates the completion of command processing.

Action

None.

EIP0035I

```
Snapset Query for VDG vdg_name [(COPY_ONCE)]
```

Cause

This message is the header for a snapset query, issued on behalf of a QUERY VDG command with the SNAPSET keyword.

(COPY_ONCE) indicates that only snapsets that contain copy-once devices in the current VDG are shown in the report.

Action

None.

EIP0036I

This message shows the following column names in a single row:

- SNAPSET_NAME
- STATE
- CREATE DATE
- CREATE TIME
- SOURCE_TRACKS CHANGED
- SOURCE_TRACKS UNIQUE
- EXPIRATION DATE
- EXPIRATION TIME

Cause

This is the report header for a snapset query, on behalf of a QUERY VDG command with the SNAPSET keyword.

Action

None.

EIP0038I

This message lists the following values in a single row:

- *snapshot_name*
- *state*
- *date/time*
- *changed*
- *unique*
- *srcdv/ccuu*
- *tgtdv/ccuu*

Cause

Displays detail (device level) snapshot info, on behalf of a QUERY VDG SNAPSET command with the DETAIL keyword. One message is issued for each device in the VDG.

snapshot name is the name of the snapshot.

state is the state of the snapshot; ACT (Active), LNK (Linked) or RST (Restored) qualifiers are "-S" and "-P", to indicate a "Saved" or "Preserved" snapshot.

date/time displays the date and time the snapshot was created.

changed and *unique* are the changed and unique tracks for the source volume.

srcdv/ccuu and *tgtdv/ccuu* display the source and target device numbers.

Action

None.

EIP0039I

This message lists the following values in a single row:

- *snapshot_name*
- *state-qualifier*
- *snapshot_create_date*
- *snapshot_create_time*
- *changed_tracks*
- *unique_tracks*
- *expiration_date*
- *expiration_time*

Cause

This message shows summary snapshot information on behalf of a QUERY VDG SNAPSET command. One message is issued per snapshot. For field explanations, see the *TimeFinder SnapVX and zDP Product Guide*.

Action

None.

EIP0040W

```
{CCUU ccuu|SYMDEV symdv#} removed from SYMM gk/symm-serial -
exceeded max TDEV
```

Cause

The device was removed from the zDP definition because the thin device maximum value was exceeded.

Action

Review the configuration for accuracy. The max TDEV count is set based upon the current highest thin device number configured in the storage system.

EIP0041I

```
REMOTE optimized to (hoplist), From (hoplist)
```

Cause

The specified SRDF group list has been optimized to use a shorter path to the remote storage system.

Action

Review the zDP configuration to ensure the correct SRDF groups were specified on the ADD command.

EIP0042E

```
Invalid VDG name vdg_name
```

Cause

An invalid VDG name was specified.

Action

Resubmit the request, specifying a valid VDG name. See the *TimeFinder SnapVX and zDP Product Guide* for VDG name requirements.

EIP0043E

```
*
```

Cause

Issued after message EIP0042E, to mark the position of the first invalid character in the VDG name.

Action

Correct the VDG name and resubmit the request.

EIP0044W

```
VDG vdg_name is active, Delete not allowed
```

Cause

The VDG is currently active and a delete is not allowed.

Action

To delete the VDG definition, stop zDP using the SCF ZDP,STOP command and resubmit the request.

EIP0045E

```
{VDG vdg_name|TGT tgtst_name}, SnapVx not supported on MCL level,  
SYMM gk/symm-serial
```

Cause

SnapVX requires PowerMaxOS 5978 or HYPERMAX OS 5977.

Action

Resubmit the command, specifying devices on a storage system with PowerMaxOS 5978 or HYPERMAX OS 5977.

EIP0046W

```
Snapset Query failed for SYMM gk/symm-serial
```

Cause

A snapset query failed for the indicated storage system. This message will be preceded by

EIP0115E, displaying the return codes from the API call.

Action

Investigate the reason for the error based upon the return codes displayed by EIP0015E.

EIP0047W

```
TGT tgtst_name, insufficient controllers defined for LINK
```

Cause

The devices in the VDG span more storage systems than are defined in the target set.

Action

Review the devices in the VDG and TGT. Add additional devices to the TGT for each storage system defined in the VDG. There must be at least as many defined TGT devices in each storage system matching the device types defined in the VDG.

EIP0048W

```
SYMM gk/symm-serial not found for LINK
```

Cause

The indicated storage system is not defined in the target set.

Action

Add sufficient devices to the TGT of the same type and size to account for the number of systems and devices defined in the VDG.

EIP0049W

```
SYMM gk/symm-serial, insufficient devices for  
LINK, count defined, count required
```

Cause

The indicated storage system in the target set does not contain sufficient devices to perform a LINK operation. The number of defined devices and the number of required devices is shown.

Action

Add additional devices to the TGT storage system to meet the required number and type of devices.

EIP0050I

```
SYMM gk/symm-serial, Terminating SNAPSET snapset_name
```

Cause

The indicated snapset will be terminated.

Action

None.

EIP0051I

```
Terminating Snapshot for device syndv#
```

Cause

The snapshot for the indicated device will be terminated.

Action

None.

EIP0052E

```
SYMM gk/symm-serial, TERMINATE failed, RC rc
```

Cause

A snapset TERMINATE failed with the indicated return code. The snapset name is indicated in the preceding EIP0050I message.

Action

Review the job log for additional messages describing the error. Contact the Dell EMC Customer Support Center for assistance.

EIP0053I

```
SYMM gk/symm-serial, Linking SNAPSET snapset_name
```

Cause

A LINK will be processed for the indicated snapset.

Action

None.

EIP0054I

Format 1:

```
Linking devices srcdv#/tgtdv#
```

Format 2:

```
Unlinking Source | Target device syndv#
```

Cause

For a LINK command, each source and target device is listed.

For an UNLINK command, if the snapset was restored, the source device is displayed.

Otherwise, the target device is displayed.

This message is issued under the control of VERBOSE.

Action

None.

EIP0055I

```
SYMM gk/symm-serial, Unlinking  
{TGT tgtst_name|SNAPSET snapset_name}
```

Cause

An UNLINK command is processing. The snapset is displayed if the LINK was the result of a RESTORE, otherwise, the target set is displayed.

Action

None.

EIP0056W

```
SYMM gk/symm-serial, {LINK|UNLINK} failed, RC rc
```

Cause

A LINK or UNLINK command failed with the indicated return code. The related snapset or target set is displayed on a preceding message.

Action

Review the job log for additional messages describing the error. Contact the Dell EMC

Customer Support Center for assistance.

EIP0057W

```
TGT tgtst_name is already Linked, SNAPSET snapset_name
```

Cause

The target set is already linked with the indicated snapset.

Action

Resubmit the LINK specifying another target set, or issue an UNLINK for the target set.

EIP0058E

```
TGT tgtst_name is not Linked
```

Cause

An UNLINK could not be processed because the target set is not linked.

Action

Verify the status of the target set.

EIP0059E

```
TERMINATE not allowed, SNAPSET snapset_name is Linked
```

Cause

The snapset is currently linked, a TERMINATE is not allowed.

Action

Unlink the associated target set or snapset (if the snapset was restored).

EIP0060I

```
SYMM gk/symm-serial, PERSISTENT {SET|RESET} for  
SNAPSET snapset_name
```

Cause

A Persistent flag is being set or reset for the indicated snapset.

Action

None.

EIP0061W

```
SYMM gk/symm-serial, PERSISTENT {SET|RESET} failed, RC rc
```

Cause

A PERSISTENT SET or RESET command failed with the indicated return code.

Action

Review the job log for additional messages describing the error. Contact the Dell EMC Customer Support Center for assistance.

EIP0062W

```
SYMM gk/symm-serial, SNAPSET snapset_name not found
```

Cause

No volumes on the indicated storage system were found for the snapset.

Action

Verify the snapset name specified in the command.

EIP0063W

```
SYMM gk/symm-serial, Persistent Copy limit reached (nn)
```

Cause

The persistent copy limit has been reached.

Action

Increase the persistent copy limit or issue a PERSISTENT RESET command for an existing persistent snapset.

EIP0064W

```
SYMM gk/symm-serial, SNAPSET snapset_name is {already Preserved|not Preserved}
```

Cause

The indicated snapset is either already persistent (PERSISTENT SET) or not (PERSISTENT RESET).

Action

Review the PERSISTENT command for accuracy.

EIP0065I

```
SYMM gk/symm-serial, Restoring SNAPSET snapset_name
```

Cause

A restore command is being processed for the indicated snapset.

Action

None.

EIP0066I

```
Restoring device symdv#
```

Cause

This message is issued on behalf of a RESTORE command with VERBOSE mode enabled, for each device in the snapset.

Action

None.

EIP0067E

```
SYMM gk/symm-serial, RESTORE failed, RC rc
```

Cause

A RESTORE command failed with the indicated return code.

Action

Review the job log for additional messages describing the error. Contact the Dell EMC Customer Support Center for assistance.

EIP0068E

```
SYMM gk/symm-serial, Incompatible devices for LINK, TGT tgtst_name
```

Cause

The target set for a LINK command does not contain sufficient devices of the correct type (CKD or FBA) and size.

Action

Update the target set definition for each TGT storage system to match the VDG storage system. The zDP QUERY reports (QUERY VDG *vdg_name*,DEVICES and QUERY TGT *tgtst_name*,DEVICES) may be helpful.

EIP0069E

```
SYMM gk/symm-serial, no devices defined
```

Cause

No devices are defined in the VDG or the storage system, the command cannot be processed.

Action

Ensure the zDP command was issued to the correct storage system.

EIP0070I

```
SAF check for resource, result
```

Cause

This message shows the SAF XFACILIT message associated with a successful resource check for the zDP command. This message is issued under control of the SAF debug option.

Action

None.

EIP0071E

```
SAF check for resource failed, RC rc, reason
```

Cause

The SAF XFACILIT check for the indicated command failed with the indicated return code.

Action

Check with your security administrator to determine if you should have authority to issue this zDP command.

EIP0072E

```
SYMM gk/symm-serial, zDP is not licensed, RC/RSNC rc/rsnc
```

Cause

zDP is not licensed on the storage system, execution is not allowed.

Action

Contact your Dell EMC sales representative.

EIP0073E

```
TGT tgtst_name is Linked, Delete not allowed
```

Cause

A linked target set cannot be deleted.

Action

Issue an UNLINK command for the target set.

EIP0074W

```
{VDG vdg_name|TGT tgtst_name} already exists
```

Cause

A DEFINE command has been entered that is trying to create a duplicate VDG or target set.

Action

Determine whether or not an incorrect name was specified in the command. If the name was specified incorrectly, reissue the command specifying the correct name. If the name was specified correctly, use the MODIFY OPTIONS command to change any options, or delete and redefine the VDG or target set.

EIP0075W

```
VDG vdg_name is active, changes will be affected after VDG restart
```

Cause

A MODIFY command was issued against an active VDG. Any change will require a restart of the VDG.

Action

Restart VDG to apply changes.

EIP0076W

```
Snapset snapshot_name is not restored
```

Cause

An UNLINK VDG command was attempted. This command can process restored snapshots only. The message provides the snapshot name specified in the command.

Action

If either the VDG name or the snapshot name was specified incorrectly, correct the erroneous value and submit the command again.

EIP0077E

```
SYMM gk/symm-serial, target device syndv# is {an active R2|already a target}
```

Cause

One of the following:

- an active R2 - An active R2 device was detected in a target set specified in the LINK command or in a VDG specified in the RESTORE command.
- already a target - Devices that are already target devices was detected in a target set specified in the LINK command or in a VDG specified in the RESTORE command.

Action

Ensure that correct devices are specified in the target set or VDG.

EIP0078E

```
SYMM gk/symm-serial, {CCUU ccuu|device syndv#} is online to the following path(s):
```

Cause

The indicated volume is a target device for LINK or RESTORE operations and must be offline to all other systems.

Action

Ensure that the volume is offline to all other systems. This message is immediately followed by message EIP0079I, identifying the online path groups.

EIP0079I

```
pathlist
```

Cause

This message follows the EIP0078E message and lists path IDs.

Action

None.

EIP0080W

```
SYMM gk/symm-serial, device syndv# is in Adaptive Copy mode
```

Cause

The device is in adaptive copy mode and consistency cannot be assured. This message is issued for the first device found to be in adaptive copy mode when consistency is enabled - CONS(YES).

Action

Change the SRDF mode to either synchronous or asynchronous before starting zDP. To display a message for each device in adaptive copy mode, run with VERBOSE.

EIP0081W

```
SYMM gk/symm-serial, SNAPSET snapshot_name is in the desired state
```

Cause

The snapshot is already in a state that corresponds to the result of the PERSISTENT SET/RESET command.

Action

None, as far as the snapshot is in the desired state.

EIP0082W

```
No ACTIONS found before SYSIN EOF
```

Cause

The //SYSIN * of the zDP job is empty.

Action

Specify a valid command after the //SYSIN * statement and resubmit the job.

EIP0083W

```
SYMM gk/symm-serial, SNAPSET snapshot_name, RESET is not supported for a Saved Snapshot
```

Cause

The Persistent attribute cannot be reset for a saved snapshot. The command is rejected.

Action

Correct the error and retry.

EIP0084E

```
SYMM gk/symm-serial, Device Lock function failed, RC rc/rsnc
```

Cause

A device lock function failed for the indicated storage system.

Action

Investigate the cause of the failure. Contact the Dell EMC Customer Support Center for assistance.

EIP0085E

```
SYMM gk/symm-serial, more than 3 RDF Groups defined
```

Cause

A remote storage system is defined with more than three SRDF groups.

Action

If possible, attempt to redefine the path to the target storage system with fewer SRDF groups. Or re-run the job with MAXRC(4), which will result in a warning allowing the job to continue.

EIP0089I

```
RDP Cache Utilization: nn%
```

Cause

This message is issued as a result of a QUERY VDG,DEVICE or QUERY VDG,SNAPSET command to display the RDP (Replication Data Pointer) cache utilization.

Action

None.

EIP0090I

```
SIMULATE mode, no Snapsets will be terminated
```

Cause

This message indicates that Simulate mode is enabled for a TERMINATE command by date and time range.

Action

Review the output to ensure the displayed snapsets are the desired snapsets to terminate.

EIP0091E

```
Invalid {Start|End} Date/Time: date_time
```

Cause

An invalid start or end date and time was specified.

Action

Correct the invalid value and re-submit the job. The date and time must be in the format *yyddhhmm*.

EIP0092W

```
Only single device range is currently supported
```

Cause

This message is issued if more than one device range was specified for the query. You can specify one device range or query the whole VDG.

Action

Correct the specification and retry.

EIP0093I

```
No devices found in specified range
```

Cause

This message is issued if the requested range is not present in the VDG specified for QUERY DEVICE.

Action

None.

EIP0094I

```
No Snapsets found in specified range
```

Cause

This message is issued when there is no snapsets on the specified range of devices for QUERY SNAPSET.

Action

None.

EIP0095W

```
SYMM gk/symm-serial, FREE failed, a Replication session exists on  
a Target device
```

Cause

FREE processing cannot proceed when a replication session is open on a target device. This is most likely due to a Thin Reclaim (TRU) SDDF session.

Action

Specify all required parameters and re-issue the command.

Check the TRU device statements in all active SCF tasks (SCF.TRU.DEV.INCLUDE.LIST) in the SCF initialization file(s) for the inclusion of any zDP target devices.

To display the TRU status for a device, issue the SCF TRU,DISPLAY command. TRU can be disabled for a device via an SCF TRU,STOP command.

Re-submit the zDP UNLINK command with FREE(YES) after TRU is disabled for all of the target devices.

If no TRU sessions are found, contact the Dell EMC Customer Support Center for assistance.

EIP0096I

```
SAVED_SNAPSETS Retention Period changed to ddd
```

Cause

A DEFINE VDG or MODIFY VDG OPTIONS command was issued with the SAVED_SNAPSETS parameter where the specified retention period was lower than the interval. Thus could result in a timeframe with no saved snapsets. The retention period has been automatically adjusted to *ddd*.

Action

None.

EIP0097W

```
SYMM gk/symm-serial, SECURE not supported
```

Cause

The indicated storage system is not at the minimum operating environment level required for secure snapsets.
Secure snapsets require a minimum operating environment level of PowerMaxOS 5978 or HYPERMAX OS 5977.1028 for all storage systems in the VDG.
The SECURE option is ignored.

Action

If necessary and appropriate, upgrade the operating environment so that it supports secure snapsets.

EIP0098W

```
VDG vdg_name, COPY_ONCE Snapset not found
```

Cause

For a LINK or RESTORE command with COPY_ONCE(INCLUDE), no previous snapset was found containing the copy-once devices.

Action

Issue a QUERY SNAPSET command with the COPY_ONCE keyword to determine if any snapsets still exist with the copy-once devices.

EIP0099W

```
SYMM gk/symm-serial, no devices to {LINK|RESTORE} for  
SNAPSET snapset_name
```

Cause

For a LINK or RESTORE command with COPY_ONCE(ONLY), the specified snapset does not contain any copy-once devices.

Action

Issue a QUERY SNAPSET command with the COPY_ONCE keyword to determine if any snapsets still exist with the copy-once devices.

EIP0100W

```
ENQ failed, resource in-use
```

Cause

Another zDP task has control of the zDP resource, QNAME='EMCZDP ', RNAME='ZDPENV '.

Action

This message is issued when the resource is unavailable after 30 seconds. Refer to message EIP0101R.

EIP0101R

```
Reply CANCEL or WAIT
```

Cause

This message is issued as a result of a WTOR when the zDP resource is unavailable (refer to EIP0100W).

Action

Reply WAIT to wait for the resource to become available, or CANCEL to cancel the job.

EIP0102E

Invalid reply

Cause

An invalid reply was entered in response to EIP0101R.

Action

Reply WAIT or CANCEL (refer to EIP0101R).

EIP0103I

Waiting for resource

Cause

As a result of a WAIT reply to EIP0101R, the task will wait for the zDP resource to become available.

Action

None.

EIP0104E

Execution cancelled

Cause

As a result of a CANCEL reply to EIP0101R, execution of the zDP job has been canceled.

Action

None.

EIP0105E

ENQ failed, RC *rc*

Cause

The ENQ for the zDP resource failed with the indicated return code.

Action

Check the job log and syslog for any messages relating to this error. Contact the Dell EMC Customer Support Center for assistance.

EIP0107R

Reply CONTInue or CANCEL

Cause

This message is issued as a result of the WTOR option for a TERMINATE command by date and time range.

Action

Reply CONTInue to allow terminate processing or CANCEL to deny.

EIP0108I

Options: *<list of options>*

Cause

This message shows options set for a target set (such as NOSORT).

Action

None.

EIP0110E

```
ddname not allocated
```

Cause

A required file is not allocated.

Action

Resubmit the job with the required file (SYSIN or SYSPRINT).

EIP0111E

```
zDP Token Create failed, RC rc
```

Cause

The Name/Token Services Create for zDP failed.

Action

This is a Name/Token error code. Check the job log and syslog for any other messages related to this error. Contact the Dell EMC Customer Support Center for assistance.

EIP0112E

```
Parse error, RC rc
```

Cause

The parser encountered a syntax error.

Action

Check the SYSPRINT file for any EPCPnnn E errors.

EIP0113E

```
No {VDGs|TGTs} for CSA processing
```

Cause

No VDGs or TGTs exist in common storage. This is an internal processing problem.

Action

Contact the Dell EMC Customer Support Center for assistance.

EIP0114E

```
Internal sort failed for {VDG|TGT} name, SYMM gk/symm-serial
```

Cause

An internal sort of the zDP devices defined in the indicated storage system failed.

Action

Try running with REGION=0M. If the problem persists, contact the Dell EMC Customer Support Center.

EIP0115W

```
function API call failed,  
RC/EMCRC/EMCRS/EMCRCX=rc/emcrc/emcrs/emcrcx
```

Cause

The API call for the indicated function failed with the indicated return codes.

Action

Review the job log for additional messages describing the error. Contact the Dell EMC Customer Support Center for assistance.

EIP0116E

```
message-text
```

Cause

This message is issued for common API errors, in conjunction with message EIP0115E, to show the reason for the API error listed in message EIP0115E.

Action

Contact the Dell EMC Customer Support Center for assistance.

EIP0117E

```
Invalid microcode level for CCUU ccuu
```

Cause

The operating environment level for the storage system addressed by CCUU *ccuu* does not support zDP (PowerMaxOS 5978 or HYPERMAX OS 5977 is required).

Action

Specify a gatekeeper CCUU on a storage system running PowerMaxOS 5978 or HYPERMAX OS 5977.

EIP0118E

```
Storage Obtain failed for area, RC rc
```

Cause

A storage obtain request for the storage area failed with the indicated return code.

Action

The region size could be too low; try running with REGION=0M. If the failure persists, contact the Dell EMC Customer Support Center for assistance.

EIP0119E

```
Storage Release failed for area, RC rc, ADDR address
```

Cause

A storage release failed for the storage area with the indicated return code at the indicated address.

Action

Review the job log for additional messages describing the error. Contact the Dell EMC Customer Support Center for assistance.

EIP0120W

```
OPEN failed for file
```

Cause

The OPEN failed for the indicated file.

Action

Ensure the file is allocated to the task. SYSIN and SYSPRINT are required for EIPINIT.

EIP0121W

```
CLOSE failed for file
```

Cause

A CLOSE failed for the indicated file.

Action

This is an unexpected error, contact the Dell EMC Customer Support Center for assistance.

EIP0122W

```
zDP Log file file is not allocated
```

Cause

The zDP log file is not allocated to SCF.

Action

The file specified in the VDG definition, LOG_OPT(SYSOUT(*filename*)), must be allocated to SCF. If it is not allocated, the zDP messages will be issued to the SCF log.

EIP0123E

```
Incompatible Control Block level nn
```

Cause

The version of the zDP run-time module (EIPZDP) is incompatible with the zDP environment.

Action

Install the current version of EIPZDP (it must be available to SCF in a STEPLIB or LINKLIST dataset).

EIP0124W

```
VDG vdg_name, no devices defined
```

Cause

The current command failed because no zDP devices are defined in the VDG.

Action

Add devices to the VDG, or if all devices were removed, resubmit the job.

EIP0125E

```
SYMM gk/symm-serial, GPM call failed, RC rc
```

Cause

The GPM (General Pool Manager) call failed with the indicated return code.

Action

Review the job log for additional messages describing the error. Contact the Dell EMC Customer Support Center for assistance.

EIP0126E

```
GPM2SC#: rc1, GPM2SCSC: rc2, GPM2SCSF: rc3, GPM_RCX: rc4
```

Cause

Issued for a GPM error to display the GPM return codes in conjunction with EIP0125E.

Action

Review the job log for additional messages describing the error. Contact the Dell EMC Customer Support Center for assistance.

EIP0127I

```
No Snapsets exist on SYMM gk/symm-serial
```

Cause

On behalf of a QUERY VDG SNAPSET command, no snapsets were found on the indicated storage system.

Action

None.

EIP0128W

```
VDG vdg_name, No invalid Snapsets to Terminate
```

Cause

As a result of a TERMINATE command for invalid snapsets TERMINATE VDG(*vdg_name*) SNAPSET(*INV*), no invalid snapsets were found.

Action

None.

EIP0130W

```
VDG vdg_name, SYMM gk/symm-serial, SRP table capacity exceeded:  
count
```

Cause

The capacity of the internal SRP table has been exceeded. *count* is the number of SRPs associated with the VDG and SYMM.

Action

Contact the Dell EMC Customer Support Center for assistance.

EIP0131I

```
CCUU DEVICE ALLOCATED TRKS FREE STATUS
```

Cause

This message shows the column headings for the QUERY FREE report.

Action

None.

EIP0132I

```
Free Query for TGT tgtst_name
```

Cause

This is a heading line of the QUERY FREE report for the indicated target set.

Action

None.

EIP0133I

```
Converting STOP_FREE to UNLINK STOP_FREE(YES)
```

Cause

The STOP_FREE statement has been internally converted to the UNLINK command with the STOP_FREE(YES) parameter, which is the same.

Action

None.

EIP0134E

```
VDG vdg_name, COPY_ONCE not supported with GNS
```

Cause

A MODIFY ADD command was issued against a VDG using the GNS keyword and the COPY_ONCE option, which is not supported.

Action

Revise the command to specify PowerMax or VMAX device numbers or z/OS device numbers to set the COPY_ONCE attribute to the devices.

EIP0135W

```
64-bit action failed for function, SYMM gk/symm-serial, RC/RSNC  
rc/rsnc
```

Cause

An error occurred when processing a QUERY SNAPSET command. The error is related to either obtaining or releasing memory in a 64-bit environment.

Action

Contact the Dell Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

EIP0136I

```
VDG vdg_name is active, changes will be affected automatically
```

Cause

A change was made to a VDG that is allowed to occur while the VDG is active. The changes will occur without the need to shutdown the VDG.

Action

None.

EIP0137W

```
VDG vdg_name, SYMM gk/symm-serial, > 256 Snapsets not supported on  
microcode level level
```

Cause

An attempt was made to create more than 256 snapsets in a zDP configuration where some source devices are on a storage system with the indicated level of the operating environment. This is not allowed.

Action

Ensure that all devices in the VDG reside on a storage system running PowerMaxOS 5978 QxxxxxSR.

EIP0138E

```
VDG vdg_name, SYMM gk/symm-serial rejected, an upgrade to  
microcode level 5978_0300 is required
```

Cause

The operation for the indicated VDG failed because the current level of the operating environment is too low.

Action

Upgrade the operating environment to PowerMaxOS 5978.0300 or later.

EIP0139E

```
VDG vdg_name, SYMM gk/symm-serial rejected, cannot add device with  
5978_0300 microcode level
```

Cause

An attempt to add device with operating environment level 5978_0300 or higher to VDG. The device number is indicated in the following EIP0146I message.

Action

Review the job log for additional messages describing the error. Contact the Dell EMC Customer Support Center for assistance.

EIP0140E

```
VDG vdg_name, @RETRY stack overflow
```

Cause

The capacity of the internal retry table has been exceeded.

Action

Contact the Dell EMC Customer Support Center for assistance.

EIP0141E

```
message-text
```

Cause

The capacity of the internal retry table has been exceeded.

This message displays diagnostic information related to an @RETRY stack overflow (message EIP0140E).

Action

Contact the Dell EMC Customer Support Center for assistance.

EIP0142E

```
End Date/Time should not be less than Start Date/Time
```

Cause

The TERMINATE VDG command has an end date or time less than the start date or time.

Action

Correct the date or time specification so that the end date or time is greater than the start date or time.

EIP0143W

Storage obtain failed, multi-tasking has been disabled

Cause

There was not enough storage for the current environment so the query reruns with multi-tasking disabled. Multi-tasking is kept disabled for the VDG until the VDG is redefined or options are changed.

Action

None.

EIP0144W

Link failed, performing recovery

Cause

A syscall error has been detected on performing LINK VDG. To prevent partially linked devices, the UNLINK TGT procedure will be executed automatically.

Action

None.

EIP0146I

Device *src-symdv#* has snapshots created in environment with all devices of MCL higher than 5978_0300

Cause

The indicated device cannot be added to the VDG because it has snapshots with devices of operating environment level higher than 5978.0300.

Action

Terminate all zDP and non-zDP (SnapVX or TF Clone) snapshots that were created on the specified device under operating environment level higher than 5978.0300.

EIP0148E

Setting MAX_SNAPSETS > 256 dynamically not allowed

Cause

An attempt was made to dynamically set a MAX_SNAPSET value exceeding 256. This is not allowed.

Action

You must redefine the VDG to change the MAX_SNAPSET parameter from a value less than or equal to 256 to a value exceeding 256.

EIP0149I

TGT contains R1 device(s), MODE(NOCOPY) ignored

Cause

An attempt was made to link a target set that contains R1 devices with the MODE(NOCOPY) parameter specified. The MODE(NOCOPY) setting is ignored.

Action

None.

EIP0150I

{TGT *tgtst_name*|VDG *vdg_name*}, SYMM *gk/symm-serial* Device *symdv#*
Waiting for target to be fully defined

Cause

Before unlinking, the target device is queried to ensure it is defined. If it is not defined yet, this message is issued.

Action

None.

EIP0151I

```
The snapset count is above count due to a subset of devices having unique snapsets
```

Cause

This message is displayed when the Snapset Count field in the QUERY SNAPSET command output exceeds the indicated snapset count for the reason stated in the message text.

The Snapset Count field shows the total number of snapsets for all devices. It may exceed the VDG maximum snapset limit, for example, if some devices were removed for a number of cycles and then added back, or if some devices were previously used in other VDGs and the snapsets have not been terminated.

Action

None.

EIP0152W

```
Restore failed, performing recovery
```

Cause

A syscall error has been detected when processing the RESTORE VDG command, or device validation failed for the COPY_ONCE(INCLUDE) part of RESTORE VDG. To prevent partially linked devices, the UNLINK VDG procedure will be executed automatically.

Action

None.

EIP0154E

```
Can't update ZDP configuration in common storage
```

Cause

zDP configuration cannot be updated due to internal problems.

Action

Contact Dell EMC Customer Support.

EIP0155E

```
EMC SCF is not a supported version. Should be v.r.m
```

Cause

The version of the zDP Definition Utility does not match the version of SCF it runs against.

Action

Ensure that SCF and zDP Definition Utility versions match.

EIP0156I

```
Total number of devices in the group: count
```

Cause

This message shows the total number of devices in the VDG or the target set during the processing of the QUERY VDG or QUERY TGT commands.

Action

None.

EIP0159E

```
Invalid VDG/TGT name specified
```

Cause

The command being submitted does not allow specifying an asterisk (*) instead of a VDG or target set name.

Action

Specify a valid VDG or target set name.

EIP0178W

```
An error occurred preventing dynamic update from being performed
```

Cause

In a job containing multiple dynamic update requests, one of the statements failed. Consequently, dynamic update was not performed.

Action

None.

EIP0200I

```
*** Dell EMC zDP - Vv.r.m (ptf) - date ***
```

Cause

This zDP startup message displays the version and PTF level of the zDP run-time module, EIPZDP. The date is displayed as the alphabetic day of the week and month, *dd* and *yyyy*. For example, "Thursday, June 16, 2016".

Action

None.

EIP0201I

```
VDG vdg_name, Beginning cycle cycle#
```

Cause

Issued at the start of the indicated zDP cycle for the indicated VDG.

Action

None.

EIP0202I

```
VDG vdg_name, Completed cycle cycle#, next cycle {is  
immediate|scheduled for hh:mm:ss}
```

Cause

This message is issued at the completion of a zDP cycle. The scheduled start time for the next cycle can be displayed, except for the last cycle.

Action

None.

EIP0203I

```
VDG vdg_name, ended - date
```

Cause

Issued when zDP has stopped for the VDG. The date is displayed as the alphabetic day of the week, month, dd and yyyy.

Action

None.

EIP0204I

```
VDG vdg_name, Snapset snapset_name {created|failed} [(COPY_ONCE)]
```

Cause

Displays the completion status of the creation of the snapset. (COPY_ONCE) indicates that the snapset contains copy-once devices.

Action

If the creation of snapset failed, investigate the reason for the failure.

EIP0205I

```
VDG vdg_name, {Paused|Resumed}
```

Cause

Issued as a result of a ZDP PAUSE or RESUME command.

Action

None.

EIP0206E

```
VDG vdg_name, error_reason
```

Cause

The VDG was stopped as a result of the indicated error.

Action

Correct the error and restart the VDG.

EIP0207E

```
VDG vdg_name, Stopped, reason
```

Cause

The VDG has been stopped due to the indicated reason.

Action

If all devices are defined as COPY_ONCE, there is no reason to continue creating snapsets.

EIP0208I

```
VDG vdg_name, Consistent image created at time, date
```

Cause

zDP created a consistent image of the VDG at the specified time.

Action

None.

EIP0209I

```
VDG vdg_name, Activate time activate_time / eca_set_time /  
eca_clear_time
```

Cause

zDP created a consistent image of the VDG. The times shown indicate how long it took to complete the ACTIVATE, ECA SET, and ECA CLEAR actions.

Action

None.

EIP0210I

```
VDG vdg_name, Device locks obtained, SYMM gk/symm-serial
```

Cause

Displays the successful obtain of the device locks for the indicated storage system in the zDP configuration. This message is issued when DEBUG(STATUS) is enabled.

Action

None.

EIP0211I

```
VDG vdg_name, Device locks obtained
```

Cause

The zDP device locks were successfully obtained.

This message is issued under the control of DEBUG(STATUS) without STATUS.

Action

None.

EIP0212I

```
VDG vdg_name, Device locks released, SYMM gk/symm-serial
```

Cause

This message indicates the successful release of the zDP device locks for the storage system.

The message is issued under the control of DEBUG(STATUS).

Action

None.

EIP0213I

```
VDG vdg_name, Device locks released
```

Cause

The zDP device locks were successfully released.

This message is issued under the control of DEBUG(STATUS) without STATUS.

Action

None.

EIP0214W

```
VDG vdg_name, Stealing lock for syndv#,  
LOCKID/DURATION lockid/duration, SYMM gk/symm-serial
```

Cause

During lock obtain processing, the zDP device lock was stolen due to an expired zDP lock.

Action

Investigate the reason the zDP device lock was held.

EIP0215E

```
VDG vdg_name, Lock not stolen for syndv#,  
LOCKID/DURATION lockid/duration, SYMM gk/symm-serial
```

Cause

During lock obtain processing, the device lock could not be stolen, either due to a non-zDP or a long term lock on the device.

Action

Investigate the reason for the device lock. If the lock was inadvertently left set as a result of an error, it can be released via the SCF REC command.

EIP0216I

```
VDG vdg_name, Devices validated for consistency, SYMM gk/symm-serial
```

Cause

When consistency is enabled, CONS(YES), each device is validated for consistency before the creation of the snapset. This message is issued under the control of DEBUG(STATUSE), to indicate successful validation of consistency for the zDP storage system.

Action

None.

EIP0217I

```
VDG vdg_name, Devices validated for consistency, via {ECA|SRDF/A}
```

Cause

This message is issued to indicate the successful validation of consistency for the zDP configuration, under the control of DEBUG(STATUS) without STATUSE. The Consistency method employed is displayed as "ECA" for synchronous devices or "SRDF/A" for R2 devices operating in SRDF/A mode.

Action

None.

EIP0218E

```
VDG vdg_name, SRDF/A Drop detected
```

Cause

During consistency validation, an SRDF/A Drop was detected. zDP will not continue as there is no reason to continue to create snapsets when data transfer to the R2 devices is interrupted.

Action

If asynchronous replication is still desired, activate SRDF/A for all SRDF groups in the zDP configuration and restart zDP. Otherwise, make sure all R2 devices are in the same mode

to allow consistency.

EIP0219I

```
VDG vdg_name, Releasing lock for syndv#,  
LOCKID/DURATION lockid/duration, SYMM gk/symm-serial
```

Cause

As a result of a RELDLOCK command, the zDP device lock was released for the indicated device.

Action

None.

EIP0220I

```
VDG vdg_name, SYMM gk/symm-serial, Snap/Total SRP  
Util: snap_srp/total_srp
```

Cause

Displays the snap and total utilization of the storage resource pool for the zDP storage system. The values are tracks, and are converted to K, M, or G when larger than 99,999.

Action

None.

EIP0221W

```
VDG vdg_name, SYMM gk/symm-serial, Total SRP Utilization threshold  
exceeded: nn%
```

Cause

The total SRP utilization threshold specified in SRP_WARN% has been exceeded.

Action

Investigate the SRP pools and take appropriate action. Add additional data devices or stop any high utilization workloads.

EIP0222W

```
VDG vdg_name, SYMM gk/symm-serial, Snap SRP Utilization threshold  
exceeded: nn%
```

Cause

The sap SRP utilization threshold, SRP_SNAP, has been exceeded.

Action

Investigate the Storage Resource Pools and take appropriate action, add additional data devices, or stop high utilization workloads.

EIP0223W

```
VDG vdg_name, SYMM gk/symm-serial, Termination SRP Utilization  
threshold exceeded: nn%
```

Cause

The termination SRP utilization threshold, SRP_TERM, has been exceeded. Based upon the termination policy, zDP will either initiate a termination of the oldest eligible snapshot, or stop.

Action

Investigate the storage resource pools and take appropriate action, add additional data devices or stop high utilization workloads.

EIP0224W

```
VDG vdg_name, Snapshot count: count
```

Cause

The highest snapshot count for a VDG device exceeds the maximum allowed. The snapshot count includes zDP and non-zDP snapshots.

Based on the termination policy, zDP either terminates the oldest eligible snapshot or stops.

Action

Consider increasing the value of the MAX_SNAPSETS parameter.

EIP0225W

```
VDG vdg_name Snapset limit reached (max-snapset-limit)
```

Cause

The snapset limit has been reached for the indicated VDG.

Action

No user action is required. Depending on the TERMINATE_POLICY(OLDEST|STOP) setting, the VDG will either begin terminating the oldest snapshot each cycle (OLDEST), or the VDG will stop cycling (STOP).

EIP0226E

```
VDG vdg_name, No Snapsets to Terminate
```

Cause

A TERMINATE due to exceeding an SRP threshold could not be issued because there are no eligible snapsets to terminate.

Action

Review the existing snapsets. If all are saved or persistent, increase the MAX_SNAPSETS value or manually terminate a snapshot.

EIP0227I

```
VDG vdg_name, SYMM gk/symm-serial, Terminating SNAPSET  
snapshot_name
```

Cause

A TERMINATE has been issued for the indicated snapshot.

This message can be the result of a TERMINATE due to the MAX_SNAPSET value reached, or as the result of an ACTIVATE error.

Action

None.

EIP0229E

```
VDG vdg_name, SYMM gk/symm-serial, TERMINATE failed, RC rc
```

Cause

A TERMINATE failed with the indicated return code.

Action

Review the job log for additional messages describing the error. Contact the Dell EMC Customer Support Center for assistance.

EIP0230E

```
VDG vdg_name, SRDF/A and non-SRDF/A, consistency cannot be assured, symm-serial, a_syndv#/s_syndv#
```

Cause

The zDP VDG was found to contain R2 devices in both asynchronous (SRDF/A) and non-SRDF/A. Consistency cannot be assured when all devices are not operating in the same SRDF mode.

Action

Ensure all devices in the zDP VDG are operating in the same SRDF mode and then restart zDP. A VDG device query issued from the zDP Definition Utility (QUERY VDG *vdg_name*, DEVICES) will display the SRDF mode for R2 devices.

EIP0232E

```
VDG vdg_name, SYMM gk/symm-serial, Device Lock Obtain failed, RC rc/rsnc
```

Cause

A device lock obtain failed with the indicated return and reason codes.

Action

Review the job log for additional messages describing the error. Contact the Dell EMC Customer Support Center for assistance.

EIP0233W

```
VDG vdg_name, SYMM gk/symm-serial, Device Lock Release failed, RC rc/rsnc
```

Cause

A device lock release failed with the indicated return and reason codes.

Action

Review the job log for additional messages describing the error. Contact the Dell EMC Customer Support Center for assistance.

EIP0234E

```
VDG vdg_name, SYMM gk/symm-serial, Device Lock Query failed, RC rc/rsnc
```

Cause

A device lock query failed with the indicated return and reason codes.

Action

Review the job log for additional messages describing the error. Contact the Dell EMC Customer Support Center for assistance.

EIP0235E

```
VDG vdg_name, SYMM gk/symm-serial, device syndv# is a Soft-fence device
```

Cause

The zDP VDG device was found to be in a soft-fenced state.

Action

Soft-fenced devices are not supported. Reset the soft-fence attribute or remove the device from the VDG and restart zDP.

EIP0236W

```
VDG vdg_name, SnapVX call failed, RC rc[/eca_rc {(ECA {SET|CLR} error)|[Timeout]] [, SYMM gk/symm-serial]
```

Cause

The zDP SnapVX call failed with the indicated return code.

The ECA reason code will be displayed for an ECA SET or CLR error. An ECA timeout will be displayed as ECA Timeout.

Action

Review the job log for additional messages describing the error. Contact the Dell EMC Customer Support Center for assistance.

For an ECA SET error, the snapset is automatically terminated because it might not be consistent. If an ECA SET error occurs repeatedly, the VDG should be stopped and the cause investigated. If an ECA SET error is the result of a system crash or another event while ECA was set, the ECACLEAR command can be issued to close the ECA windows for the VDG devices.

For an ECA Timeout, investigate the reason for the timeout.

EIP0237W

```
VDG vdg_name, SYMM gk/symm-serial, GPM called failed, RC rc
```

Cause

The GPM (General Pool Manager) call failed with the indicated return code.

Action

Review the job log for additional messages describing the error. Contact the Dell EMC Customer Support Center for assistance.

EIP0238E

```
VDG vdg_name, SYMM gk/symm-serial, zDP is not licensed, RC/RSNC=rc/rsnc
```

Cause

The zDP feature is not authorized on the storage system.

Action

Contact your Dell EMC sales representative to obtain the zDP license.

EIP0239E

```
VDG vdg_name, SYMM gk/symm-serial, device symdv# is in Adaptive Copy mode
```

Cause

The zDP VDG device was found to be in adaptive copy mode. Consistency cannot be assured for devices in adaptive copy mode.

Action

Review the device states in the zDP configuration. All devices must be in the same SRDF mode to allow for consistency. A VDG device query (QUERY VDG vdg.devices) issued from the zDP Definition Utility will display the SRDF information for R2 devices..

EIP0240W

```
VDG vdg_name, SYMM gk/symm-serial, device syndv#, Snapshot limit exceeded
```

Cause

The total number of SnapVX snapshots has been exceeded for at least one device in the VDG. The device number displayed is the device with the highest snapshot count in the VDG.

Action

zDP will dynamically adjust the Snapset limit to account for any non-zDP snapshots. Message EIP0241W will also be issued.

EIP0241W

```
VDG vdg_name, Max Snapsets reduced to nnn
```

Cause

As a result of exceeding the snapshot limit, max snapsets has been reduced to the indicated value.

Action

A non-zDP snapshot on any VDG source volume will reduce the number of zDP snapsets that can be maintained. Examine the configuration to determine if this negatively compromises the zDP solution. Message EIP0240W is displayed in conjunction with this message.

EIP0242W

```
VDG vdg_name, SYMM gk/symm-serial, R2 device syndv# has count invalid tracks
```

Cause

The indicated R2 device has invalid tracks, which could affect consistency of the R2 data. When the STATUSE debug option is enabled, this message will be issued for each device in the VDG with invalid tracks; otherwise, it will be issued for the first device with invalids in each storage system configured in the VDG. After all devices are checked, this process will continue every 30 seconds until all of the invalid tracks are resolved.

Action

A STOP command can be issued to interrupt this process and stop the VDG.

EIP0243E

```
VDG vdg_name includes multiple SRDF/A groups without MSC, consistency cannot be assured
```

Cause

In order to provide consistency for a VDG with multiple SRDF/A groups, they must be under the control of MSC. This is an error condition, causing the VDG to stop.

Action

Resolve the error condition described above.

EIP0244E

```
VDG vdg_name includes MSC and non-MSC devices, consistency cannot be assured
```

Cause

A mix of MSC and non-MSR mode SRDF/A SRDF groups was detected. This is an error condition, causing the VDG to stop.

Action

Resolve the error condition described above.

EIP0245W

```
VDG vdg_name, SRDF/A Suspend failed
```

Cause

The suspend process failed to suspend SRDF/A for an active R2 group in the VDG. This could be due to MSC not being globally consistent, which could occur if the VDG is started before MSC completed two cycle switches, or by another failure in the process.

Action

If MSC was not globally consistent, the next zDP cycle should not encounter this error. Otherwise, a GTF trace of the zDP gatekeepers may be necessary to diagnose this problem.

EIP0246W

```
VDG vdg_name, SYMM gk/symm-serial, R2 device symdv# is in CEXMPT mode
```

Cause

The indicated R2 device is in Consistency Exempt mode, and will be excluded from consistency validation.

A CEXMPT R2 device will not affect consistency since it was explicitly placed into CEXMPT mode. It will be included in the snapset.

When the STATUSE debug option is enabled, this message will be issued for each CEXMPT device in the VDG; otherwise, it will be issued for the first CEXMPT device in each storage system configured in the VDG.

Action

None.

EIP0247I

```
VDG vdg_name, SYMM gk/symm-serial, RDP Cache Utilization: nn%
```

Cause

Displays the RDP (Replication Data Pointer) cache utilization for the storage system in the indicated VDG.

Action

None.

EIP0248W

```
VDG vdg_name, Retry issued for SNAPSET snapset_name
```

Cause

zDP snapset creation failed, resulting in a retry of the SnapVX CREATE or ACTIVATE call.

Action

Investigate the reason for the error if snapset creation continues to fail.

EIP0249W

VDG *vdg_name*, SYMM *gk/symm-serial*, Snapset Query failed

Cause

A snapset query API call failed. If possible, the VDG will continue to run.

Action

Contact the Dell EMC Customer Support Center.

EIP0250I

VDG *vdg_name*, SMF Recording enabled, Record ID *nnn* [,Tracks]

Cause

This message is issued during VDG initialization when SMF recording is enabled or as the result of an SCF ZDP MODIFY,SMF command to alter the SMF options. Tracks will be displayed if the TRACKS option is enabled.

Action

None.

EIP0251I

VDG *vdg_name*, SMF Recording disabled

Cause

This message is issued at the start of a cycle as a result of an SCF ZDP MODIFY,SMF(No) command.

Action

None.

EIP0252W

VDG *vdg_name*, SMF Write failed, RC *rc*

Cause

The SMF write routine for the VDG failed.

Action

Contact the Dell EMC Customer Support Center.

EIP0253W

VDG *vdg_name*, SYMM *gk/symm-serial*, ECA Clear failed for device *syndv#*, RC *rc* [(via RDF Group *srdfgrp*)]

Cause

On behalf of an ECACLEAR command, the Clear function failed for the indicated device with the indicated return code.

via RDF Group indicates a remote operation, ECA is cleared on the partner R1 device through the indicated SRDF group.

Action

If this prevents operation of zDP, contact the Dell EMC Customer Support Center.

EIP0254I

VDG *vdg_name*, SYMM *gk/symm-serial*, ECA Cleared for

```
device symdv# [(via RDF Group srdfgrp)]
```

Cause

This message is issued on behalf of an ECACLEAR command (with the STATUSE DEBUG option enabled), for each successful ECA Clear.

via RDF Group indicates a remote operation, ECA is cleared on the partner R1 device through the indicated SRDF group.

Action

None.

EIP0255W

```
VDG vdg_name, SYMM gk/symm-serial, inconsistent SRDF/A R2  
Group srdfgrp (R1 Group srdfgrp)
```

Cause

During the consistency check before each cycle, zDP determined the indicated SRDF/A R2 group is not consistent. The partner R1 group is also displayed. When the VDG contains multiple storage systems, the check will stop with the first storage system with an inconsistent SRDF/A R2 group, unless the STATUSE debug option is enabled, in which case, all of the systems will be validated. This situation applies to zDP SRDF/A configurations, where the VDG source devices are active asynchronous R2 devices.

Action

zDP will continuously check for R2 consistency after a 30 second wait. The process can be interrupted with a STOP command. If this continues for an unreasonably long time, investigate the reason for the SRDF/A inconsistent state.

EIP0256W

```
VDG vdg_name, MSC Global Consistency has been lost
```

Cause

During the consistency check before each cycle, zDP determined that MSC is not globally consistent. This pertains to zDP MSC configurations with multiple R2 groups. This message will be issued only when MSC has lost global consistency and all of the R2 groups are consistent.

Action

zDP will continuously check for R2 consistency after a 30 second wait. The process can be interrupted with a STOP command. If this continues for an unreasonably long time, investigate the reason for the SRDF/A inconsistent state.

EIP0257W

```
VDG vdg_name, Persistent Copy Limit reached (nn)
```

Cause

The Persistent Copy Limit has been reached. The snapset has been converted to a normal (cyclical) snapset.

Action

Examine a QUERY SNAPSET report to determine if any snapsets can be converted from saved to cyclical.

Or, consider increasing the PERSISTENT_COPY_LIMIT value.

In either case, the VDG must be restarted to recognize the new limit.

EIP0258I

```
VDG vdg_name, SYMM gk/symm-serial, waiting for SRP call to
```

complete

Cause

The requested action is waiting on the completion of a zDP task that obtains SRP information.

Action

Wait for the SRP task to complete.

EIP0259R

VDG *vdg_name*, SRP call is still active, reply CONTInue or CANcel

Cause

After the SRP task has taken more than 6 minutes, this message prompts to either wait further for the task to complete, or cancel the task.

Action

Reply either CONTInue or CANcel.

EIP0260I

VDG *vdg_name*, *message-text*

Cause

This is a diagnostic message issued during zDP startup.

Action

None.

EIP0261I

VDG *vdg_name*, Enhanced Consistent Snap enabled

Cause

Indicates that the SnapVX Activate performance feature has been enabled.

Action

None.

EIP0263I

VDG *vdg_name*, Elapsed cycle time *time*

Cause

zDP completed a full cycle of the indicated VDG. It took the indicated amount of time.

Action

None.

EIP0270I

VDG *vdg_name*, Dynamic update, partial shutdown

Cause

A dynamic update was made to an active VDG. To process this request, a partial shutdown of the VDG occurs to re-drive the initialization routines.

Action

None.

EIP0271I

VDG *vdg_name*, Dynamic update, re-initializing

Cause

A dynamic update was made to an active VDG. The initialization routines were called.

Action

None.

EIP0272I

VDG *vdg_name*, Dynamic update, processing completed

Cause

A dynamic update was made to an active VDG. The update has completed.

Action

None.

EIP0274I

VDG *vdg_name*, No expired secure snapsets to recycle, creating non-secure snapset

Cause

Upon reaching the max snapset count, zDP has found no secured snapsets to terminate because the existing secure snapsets have not expired. zDP will create a non-secure snapset.

Action

None.

CHAPTER 7

TimeFinder Mirror

BCVA000I

```
Process proc specifies status messages
```

Cause

Status messages are generated as a result of the DEBUG options chosen for process *proc*.

Action

None.

BCVA001I

```
Process proc *** Dell EMC TimeFinder Automated Control v.r.m (nn)  
- SCF Vv.r.m (nn) mm/dd/yyyy
```

Cause

TimeFinder/Mirror Automation report heading for process *proc*. Also indicates TimeFinder/Mirror and SCF (ResourcePak Base) version and the date.

- *v* - The version.
- *r* - The release.
- *m* - The modification level.
- *nn* - The maintenance (PTF) level of the software. If no maintenance has been applied, then the maintenance level will show as (00).
- *mm/dd/yyyy* - Indicates the month, day, and year when the maintenance was built. If there is no maintenance applied, the date is the build date of the module.

Action

None.

BCVA002I

```
Process proc beginning cycle nnnn Version version
```

Cause

Indicates the start of automation cycle *nnnn* for process *proc*.

Action

This is an informational message only. No user action is required.

BCVA003I

```
Process proc completed cycle nnnn
```

Cause

Indicates the completion of automation cycle *nnnn* for process *proc*.

Action

This is an informational message only. No user action is required.

BCVA004E

```
Process proc BCV xxxxxx not found in Query buffer
```

Cause

The indicated BCV device was not found in the BCV query buffer for the indicated process.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVA005E

```
Process proc BCV xxxxxx is not ESTABLISHED
```

Cause

The source BCV device is not established for the process.

Action

Ensure all source BCV devices are fully established prior to starting the process.

BCVA006E

```
Process proc BCV xxxxxx is TERMINATING
```

Cause

The indicated BCV device is terminating (a split is in progress).

Action

Ensure all source BCV devices are fully established and no other actions are performed on the devices defined for the process.

BCVA007E

```
Process proc BCV xxxxxx has INVALID tracks
```

Cause

The indicated BCV device has invalid tracks for the process.

Action

If the invalid track count is not 0, the split fails. Ensure all source BCV devices are fully established prior to starting the process.

BCVA008E

```
Process proc BCV xxxxxx is HELD, Symm symm-serial
```

Cause

The indicated BCV device is in a HELD status for the process.

Action

Ensure the correct devices have been specified. Held devices can be released with the TimeFinder/Mirror CONFIG RELEASE command described in the *TimeFinder/Mirror for z/OS Product Guide*.

BCVA009E

```
Process proc, {Target|Source} mismatch - BCV xxxxxx paired with  
STD xxxxxx
```

Cause

There is a mismatch with either the source or target volumes. The indicated device pairing does not agree with the device list for process *proc*.

Action

Ensure the correct devices have been specified and the initial state of the devices is correct.

BCVA010E

```
Process proc BCV xxxxxx online, Path Group Id = nnnnnnnnnnn,  
Symm=symm-serial
```

Cause

During the online or offline status check process a path group was found to be in single or multiple path mode for the process. There can be more than one occurrence of this message for a single device, depending on the number of path groups to the device. The path group is identified by an 11-byte string, reading left to right as follows:

- 5 bytes - CPU serial number
- 2 bytes - CPU model type
- 4 bytes - Time of day (STCK format)

Action

Go to the system indicated by the path group and vary the device offline. The z/OS system that corresponds to the path group value can be verified by comparing path group to the value of SERIAL in the z/OS message IEE174I response to the z/OS 'D M=CPU' command.

```
D M=CPU  
IEE174I 14.40.17 DISPLAY M 457  
PROCESSOR STATUS  
ID CPU SERIAL  
0 + 0488889672  
1 + 0488889672
```

SERIAL contains a 3-byte serial number (048888) and 2 byte model (9672). This error message may also be issued when using Innovation Data Processing's FDR Instant Backup or FDR/SOS products if TimeFinder/Mirror is not executed on the same LPAR as the Innovation Product.

BCVA011E

```
Process proc BCV xxxxxx ENQ failed, in use by another job
```

Cause

The indicated BCV is being processed by TimeFinder/Mirror on this or another system for the process.

Action

Ensure the correct devices have been specified. No other TimeFinder actions should be performed against the automation volumes.

BCVA012E | BCVA012W

```
Process proc API call failed, rc xxxxxxxx, function
```

Cause

The indicated API function failed with the indicated return code for the indicated process. For example, message `Process proc API call failed, rc xxxxxxxx, RTGT, BCV syndv#, Symm symm-serial, RAG srdfgrp` means that the specified device is

not ready because of drive failure or drive service action. Messages BCVA063E and BCVA058A are issued as follow-up.

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the SETMAX argument.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVA013E

```
Process proc Remote API call failed, rc xxxxxxxx,  
function function
```

Cause

A remote API function failed with the indicated return code for the indicated process.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVA014E

```
Process proc STORAGE OBTAIN failed for xxxxxxxx
```

Cause

A STORAGE OBTAIN failed for the indicated area with the process.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVA015E

```
Process proc STORAGE RELEASE failed for xxxxxxxx
```

Cause

A STORAGE RELEASE failed for the indicated area for the process.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVA016E

```
Process proc Target BCV xxxxxx ESTABLISHED Symm symm-serial,  
RAG srdfgrp[.srdfgrp]
```

Cause

The indicated target BCV device is established for the indicated process. The RAG value indicates the SRDF group path used to reach the specified source storage system.

Action

Ensure the correct devices have been specified. Target devices cannot be established.

BCVA017E

```
Process proc Wait interval exceeded after Consistent Split
```

Cause

The split did not complete within the wait interval for the process.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVA018E

```
Process proc Consistent split failed, rc xxxxxxxx, Symm symm-serial
```

Cause

A consistent split failed with the indicated return code on the indicated storage system for the indicated process.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVA019E

```
Process proc I/O buffer table capacity exceeded
```

Cause

Internal storage used to contain the I/O buffers has been exceeded for process *proc*.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVA020E

```
Process proc Previous cycle duration exceeded 24 hours
```

Cause

The previous cycle time exceeded the maximum allowed interval of 24 hours for process *proc*.

Action

Review the messages to determine the reason for the elongated cycle time. If you cannot determine and correct the problem, search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot find an answer there, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVA021E | BCVA021W

```
Process proc Timeout occurred during Consistent Split processing
```

Cause

The timeout interval has expired during a Consistent SPLIT. The SPLIT proceeds, but consistency is not provided for process *proc*.

Action

Review the timeout value supplied and increase if necessary.

BCVA022W

```
Process proc *** A timeout occurred, Splits may not be consistent  
***
```

Cause

This message is issued at the end of a job whenever a consistent split timeout occurred for the process.

Action

Review the timeout value supplied and increase if necessary.

BCVA023E

```
Process proc Invalid RDF mirror mask xx, STD xxxxxx Symm symm-serial
```

Cause

The SRDF mirror mask contains an invalid value. This occurs if the Concurrent SRDF feature is enabled and the R1 is configured with multiple R2 devices. TimeFinder/Mirror automation does not currently support Concurrent SRDF for process *proc*.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVA024E

```
Process proc Routine xxxxxxxx failed, RC xx, RSNC xxxx
```

Cause

The indicated routine failed with the indicated codes for the indicated process.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVA025I

```
Process proc stopped at end of {cycle nnnn|step nn}
```

Cause

The indicated process was stopped at the end of the indicated step or cycle, in response to a user request to stop the process for the process.

Action

If the process was stopped normally (at the end of a cycle), it may be restarted with a START or RESTART action. Otherwise, a RESTART is required.

BCVA026E

```
Process proc not restarted
```

Cause

The process could not be restarted for the indicated reason for the process.

Action

Examine the messages from the previous run to determine the steps required to restore the devices to their initial state.

BCVA027E

```
Process proc, Invalid RDF mirror nn, Dev dv#, Symm symm-serial, RAG srdfgrp
```

Cause

PowerMax or VMAX device number for secondary SRDF BCV invalid.

Action

Correct the PowerMax or VMAX device number.

BCVA028E

```
Process proc, Source STD xxxxxx is a SymmPav device
```

Cause

The source STD device is a SymmPav device.

Action

Correct the configuration.

BCVA029E

```
Process proc, Source STD xxxxxx has active I/O [- alias]
```

Cause

After the IOS level is raised, each source standard device is tested for active I/O. If the device or its alias is active, it is retested for up to 1 second. If the device or its alias is still active after the test, message BCVA029E is issued and the process is terminated.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVA030E | BCVA030W

```
Process proc, IOS Level not set for xxxxxx, reason
```

Cause

The IOS Level could not be raised for the device, for the indicated reason (dataset type). Consequently, the split may not be consistent.

Action

Investigate the requirement for the dataset on a volume in the SRDF/AR configuration and

relocate if possible.

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the SETMAX argument.

BCVA031E

```
Process proc, EMCDLOK OBTAIN failed, RC xxxx, RSNC xxxxxxxx, Symm  
symm-serial
```

Cause

The Device External Lock function failed with the indicated return and reason codes.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVA032E

```
Process proc, BCV xxxxxx is locked, LOCKID aaaaaaaa,  
Duration seconds, Symm symm-serial RAG hoplist
```

Cause

The indicated BCV is already locked. The lock ID and the duration of the lock (in seconds) are displayed. The RAG field shows the SRDF group number or hop list used to access the target storage system.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVA033E | BCVA033W

```
Process proc, BCV xxxxxx lock expired, LOCKID aaaaaaaa,  
Duration seconds, Symm symm-serial
```

Cause

A Device External Lock on the indicated BCV has expired. TimeFinder/Mirror has successfully released the lock and acquired a new lock.

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the SETMAX argument.

Action

None.

BCVA034E

```
Process proc, Retry count exceeded for function
```

Cause

The retry count for the indicated function was exceeded. The previous error message

gives additional details.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVA035E

```
Process proc, I/O error, rc xx, CUU ccuu, Symm symm-serial
```

Cause

An I/O operation failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVA036E

```
Process proc, Syscall xxxx failed, rc xx, CUU ccuu, Symm symm-serial
```

Cause

A syscall operation failed.

Action

Review the job log and SYSLOG for errors. The reason codes are listed in the *TimeFinder/Mirror for z/OS Product Guide*. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVA037E

```
Process proc, Initialization failed, code xx
```

Cause

Initialization of the SRDF/AR process failed with the indicated error code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVA038E

```
Process proc, ECA Window function failed, RC xx, RSNC xxxx, CUU ccuu, Symm symm-serial
```

Cause

When the Engenuity Consistency Assist option is in effect - SYSTEM(GLOBAL), the function failed with the indicated return and reason codes.

Action

Review the job log and SYSLOG for errors. The reason codes are listed in the *TimeFinder/Mirror for z/OS Product Guide*. Search the Dell EMC Knowledgebase for

applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVA039I

```
Process proc, R2 xxxxxx has R1 Invalid Tracks, Symm symm-serial,  
RAG srdfgrp
```

Cause

An SRDF/AR process found invalid tracks owed to the R1 from the R2. This condition indicates that the R2 has been altered while the SRDF/AR cycle was stopped.

Action

None.

BCVA040E

```
Process proc, R2 xxxxxx is R/W, Symm symm-serial,  
RAG srdfgrp[.srdfgrp]
```

Cause

The target R2 STD device is R/W (read/write). This is an invalid state, it must be R/O (read only).

Action

Determine the cause of the R/W R2 state and see the *SRDF Host Component for z/OS Product Guide* for information about resolving the condition before attempting a START or RESTART of the process.

BCVA042E

```
Process proc interrupted
```

Cause

Operator information message indicating an abnormal end of the SRDF/AR process (explicitly stopped or ended with an error).

Action

Review the console or SCF log for related error messages.

BCVA043E

```
Process proc, R1 xxxxxx is TNR, Symm symm-serial
```

Cause

For a SRDF/AR automated multihop run, the R1 is in Target Not Ready (TNR) state. When an R1 is TNR, changed tracks do not propagate to the R2 device.

Action

The SRDF Host Component command #SC VOL RDF_RSUM can be issued to resume the SRDF link.

BCVA044E

```
Process proc, Previous cycle stopped in step nn
```

Cause

The SRDF/AR process was found to have been stopped before the end of a cycle.

Action

Issue a RESTART command to resume the process at the beginning of the next step.

BCVA045E

```
Process proc, BCV xxxxxx in use by another operation, Symm symm-serial
```

Cause

The mirror write lock for the BCV is already held by the process.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVA046E

```
Process proc, Control Block level xx (yy required)
```

Cause

The internal control block level is not compatible with this version of SRDF/AR.

Action

Redefine the SRDF/AR process with the current level of the TimeFinder/Mirror product.

BCVA047E | BCVA047W

```
Process proc, API call failed, RC xx, Retry issued, CUU ccuu,  
Symm symm-serial RAG srdfgrp
```

Cause

An API call failed and a retry was issued. If an error message does not follow this message, the retry was successful.

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the SETMAX argument.

Action

If no error messages follows, no action needed. If an error message follows, take the steps discussed under that error message.

BCVA048E | BCVA048W

```
Process proc, API call failed, RC xx, Retry count exceeded, Reply  
RETRY or CANCEL
```

Cause

An API call failed and the retry was not successful. The process waits until a response is entered.

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the SETMAX argument.

Action

Resolve the error condition and reply RETRY to continue the process. A reply of CANCEL

terminates the process.

BCVA050E

```
Process proc, MP config error for R1 xxxxxx - MPBCV xxxxxx is not  
Established, Symm symm-serial
```

Cause

The multi-protection BCV is not established with the source R1 STD.

Action

Verify that all the MP-BCV devices are established to their respective R1 devices.

BCVA051E

```
Process proc, MP config error for R1 xxxxxx - MPBCV xxxxxx is not  
partnered with R2 xxxxxx, Symm symm-serial
```

Cause

The multi-protection BCV is not partnered with the correct R2 device.

Action

Validate the MP-SRDF/AR configuration.

BCVA052E

```
Process proc, SDDF function failed for xxxxxx, RC xx, RSNC xxxx,  
Symm symm-serial
```

Cause

The SDDF function failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVA053I

```
Process proc, Multi-Protection Multi-Hop is enabled
```

Cause

One complete multiprotection SRDF/AR cycle is required to realize the benefits of MP-SRDF/AR.

Action

None.

BCVA054E

```
Process proc, SDDF sessions do not exist for device xxxxxx,  
Symm symm-serial
```

Cause

During a multiprotection SRDF/AR run, an MP SDDF session was terminated.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all

relevant job documentation available.

BCVA055I

```
Process proc, MP-Resync complete
```

Cause

Multiprotection resynchronization processing has completed.

Action

If desired, define and start a SRDF/AR single-hop cycle to provide continuous protection.

BCVA056I

```
Process proc, Running without Target BCVs
```

Cause

Issued in response to running a SRDF/AR process with BYPTargetBCV(Y) specified.

Action

None.

BCVA057I

```
Process proc, Target BCVs temporarily disabled
```

Cause

The specification of BYPTBCV(Y,MPR) results in the first cycle bypassing the usage of the target BCVs. Subsequent cycles run normally.

Action

None.

BCVA058A

```
Process proc, Paused (xxxxxxx) - reply CONTInue or CANcel
```

Cause

Issued in response to a SRDF/AR PAUSE command.

Action

Reply CONTINUE to continue the SRDF/AR process or CANCEL to cancel the process.

BCVA058I

```
Process proc, Paused in Step nn ({error|request}) - Reply  
was zzzzzzz
```

Cause

This message is issued after a process stopped in the specified step and was then acted upon. The WTOR reply is displayed.

zzzzzzz represents the WTOR reply text as entered in response to BCVA058A action message WTOR.

Action

None.

BCVA060E

```
Process proc, dev xxxxxx has an active SRDFA session, Symm symm-  
serial, RAG srdfgrp
```

Cause

The SRDF/AR device has an active SRDF/A session. SRDF/A is incompatible with SRDF/AR.

Action

Review the SRDF/AR definition for accuracy and correct the definition or deactivate SRDF/A.

BCVA061I

```
Process proc, Paused due to Synchronization problem, Symm symm-serial
```

Cause

The SRDF/AR process has detected no change in the invalid track count after 30 iterations.

Action

Investigate the log for complementary messages, especially any BCVA063E messages indicating a drive failure.

BCVA062I

```
Process proc, Resume failed for Symm symm-serial
```

Cause

If a synchronization problem was detected in Step 3 (Source R1 Sync), SRDF/AR checks for any TNR devices and issues a Resume for each TNR device. This message indicates a Resume failed for the storage system.

Action

Check the log for any BCVA036E messages, which will list the return code from the Resume. Also check the status of the SRDF link.

BCVA063E

```
Process proc, dev xxxxxx is N/R, Mir nn(dir-if), Symm symm-serial,  
RAG srdfgrp
```

Cause

A not ready mirror was found for the device (STD or BCV). If it can be determined, the director and interface (*dir-if*) is displayed. A message will be displayed for each logical SRDF/AR device on a failed physical drive.

Action

The SRDF/AR process will pause waiting for an operator reply to continue. See BCVA058A to reply.

BCVA064I

```
Process proc, BCV xxxxxx is not Established, Symm symm-serial[],  
RAG srdfgrp[.srdfgrp]
```

Cause

After a Reestablish (or Establish) operation, a BCV was found to be in an incorrect state. If (transient) is displayed, the BCV is in a transient state.

Action

None.

BCVA065I

```
Process proc, Consistent point at yyyy.ddd  
hh:mm:ss.th (cycle nnnn) saved for {Source BCVs|Target R2s|Target  
BCVs}
```

Cause

When a SRDF/AR process saved point of consistency is reached, information is displayed for this cycle.

Action

None.

BCVA066I

```
Process proc, Consistent point  
at yyy.ddd hh:mm:ss.th (cycle nnnn) expired for {Source BCVs |  
Target R2s | Target BCVs}
```

Cause

The indicated SRDF/AR process saved point of consistency has expired.

Action

None.

BCVA067E

```
Process proc, R2 xxxxxx has Invalid Tracks, Symm symm-serial,  
RAG srdfgrp
```

Cause

Invalid tracks exist on all local mirrors of an R2 device. This situation can occur after a drive replacement.

Action

A full Establish and Split of each R1 will be required to fully synchronize the R2 devices. After the R2s are synchronized, the R1 devices can be re-established and the process started.

BCVA068E | BCVA068W

```
Process proc, Poll failed, Target BCVs might not be consistent,  
Symm symm-serial, RAG srdfgrp[.srdfgrp]
```

Cause

The target split failed due to a poll error (Query failed during the poll for completion of the foreground split processing).

This is a warning indicating that the data on the target BCVs might not be consistent. If MAXRC =4 or higher, the process continues. Otherwise, an "E" level message will be issued and the process pauses.

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the SETMAX argument.

Action

None.

BCVA069I

```
Process proc, R1-BCV xxxxxx has been replaced with xxxxxx,  
Symm symm-serial
```

Cause

SRDF/AR Resilience: the R1-BCV was replaced with another device as a result of a drive failure or due to the replacement of the partner R2 device in a static SRDF relationship.

Action

Device replacements could affect recovery at the target site. Export the modified SRDF/AR configuration or manually record the device number changes.

BCVA070I

```
Process proc, TBCV xxxxxx has been replaced with xxxxxx,  
Symm symm-serial
```

Cause

SRDF/AR Resilience: The target BCV was replaced with another device as a result of a drive failure.

Action

Device replacements could affect recovery at the target site. Export the modified SRDF/AR configuration or manually record the device number changes.

BCVA071E

```
Process proc, Substitution failed, insufficient spare devices,  
Symm symm-serial
```

Cause

SRDF/AR Resilience: A matching device was not found in the SRDF/AR pool.

Action

Add additional spare devices matching the characteristics of the failed device(s) to the SRDF/AR pool.

BCVA072I

```
Process proc, Substitution starting, Symm symm-serial
```

Cause

SRDF/AR Resilience: Substitution for one or more failed devices is starting.

Action

None.

BCVA073I

```
Process proc, Substitution complete, Symm symm-serial
```

Cause

SRDF/AR Resilience: Substitution has successfully completed for the failed devices.

Action

To capture the updated SRDF/AR configuration, execute the SRDF/AR MODIFY EXPORT command.

BCVA074I

Process *proc*, Substitution bypassed, Symm *symm-serial*

Cause

SRDF/AR Resilience: Substitution was bypassed because of:

- Protected devices and policy controls P4 or P14
- R1-BCV or target STD failure and policy P11

Action

Schedule a replacement of the physical drive containing the failed mirrors.

BCVA075I

Process *proc*, Removing SDDF sessions for replaced *xxxxxx*, Symm *symm-serial*

Cause

SRDF/AR Resilience: After a substitution, the TimeFinder SDDF sessions are removed for the R1-BCVs or target BCVs.

Action

None.

BCVA076I

Process *proc*, Establish replacement *xxxxxxxx*, Symm *symm-serial*

Cause

SRDF/AR Resilience: After completing substitution, the BCVs must be established.

Action

None.

BCVA077I

Process *proc*, BCV/STD *xxxxxx/xxxxxx* full Establish issued, Symm *symm-serial*

Cause

SRDF/AR Resilience: A full Establish was issued for the BCV-STD pair.

Action

None.

BCVA078I

Process *proc*, Verify issued for STD *xxxxxx*, Symm *symm-serial*

Cause

SRDF/AR Resilience: A VERIFY command was issued to resolve a synchronization problem. If the VERIFY was not successful, the process pauses.

Action

None.

BCVA079I

Process *proc*, Target STD *xxxxxx* cannot be replaced due to Policy, Symm *symm-serial*

Cause

SRDF/AR Resilience: Policy P9 prevents the substitution of the R2-STD devices.

Action

Schedule a replacement of the failed physical drive. After the logical devices are synchronized, reply “CONT” to the WTOR to continue the SRDF/AR Process.

BCVA080I

```
Process proc, BCV/STD xxxxxx not replaced due to Policy,
Symm symm-serial
```

Cause

SRDF/AR Resilience: Policy controls P4 (BCV) and P14 (R2) allows protected BCVs/R2s to run unprotected. Operation continues using the other mirror of the device.

Action

Schedule a replacement of the physical drive containing the failed BCV mirrors.

BCVA081E

```
Process proc, Pool not defined, Symm symm-serial, Pool xxxxxxxx
```

Cause

SRDF/AR Resilience: The SRDF/AR process could not be started because the SRDF/AR pool is not defined.

Action

Run the GNS utility to define the SRDF/AR pool. The *ResourcePak Base for z/OS Product Guide* describes the GNS utility.

BCVA082E

```
Process proc, BCV/STD xxxxxx not replaced (FBA Meta), Symm symm-
serial
```

Cause

SRDF/AR Resilience: The device was not replaced because either the number of members in the FBA meta group exceeds the value specified for METAMAX or, if the failing device is an R1-BCV or target STD, it must be dynamic SRDF.

Action

Schedule a replacement of the failed physical drive.

BCVA083E

```
Process proc, BCV xxxxxx FBA Meta error - reason, Symm symm-serial
```

Cause

SRDF/AR Resilience: An error occurred processing a substitution for an FBA meta device.

Action

Schedule a replacement of the failed physical drive.

BCVA084I

```
Process proc, CBCV mirror adjustment, Symm symm-serial
```

Cause

SRDF/AR has determined that another BCV (a Concurrent BCV) is attached to a STD device and has dynamically adjusted to this condition.

This message will be issued once for each storage system for each SRDF/AR process. SCF tracing is active, additional messages detailing the affected devices are

written to the SCF trace dataset.

Action

None.

BCVA085I

```
Process proc, Dev xxxxxx is a member of Raid-10 Head xxxxxx
```

Cause

Issued in conjunction with BCVA063E when a N/R (Not Ready) mirror was found for a member of a Raid 10 group.

Action

The head device number may be needed to allow for a manual recovery of the device.

BCVA086I

```
Process proc, Source symm-serial, MCL nnnn, GK ccuu [(features)]
```

Cause

Issued at the start of a SAR Cycle for each source storage system in the SRDF/AR configuration. The storage system serial number, operating environment level (MCL) and gatekeeper CUU are displayed. Additionally, optional features are displayed; such as Clone (for clone emulation) and Multa (for multi-attach).

Action

None.

BCVA087I

```
Process proc, Bunker symm-serial, MCL nnnn,  
RAG srdgrp [(features)]
```

Cause

Same as BCVA086I, except issued for each bunker storage system in a SRDF/AR automated multihop configuration. RAG displays the SRDF group configured for the bunker storage system.

Action

None.

BCVA088I

```
Process proc, Target symm-serial, MCL nnnn,  
RAG hoplist [(features)]
```

Cause

Same as BCVA086I, except that it is issued for each target storage system in a SRDR/AR process. *hoplist* shows the SRDF group number or hoplist configured for the target storage system.

Action

None.

BCVA089W

```
Process proc, Symm symm-serial, Source STD xxxxxx[-xxxxxx] {is an  
active R2 device|are active R2 devices}
```

Cause

The R2 mirror for the source STD device is active on the link (SRDF Ready). Because SRDF/AR does not support remote ECA, any updates to the R1 device could compromise consistency.

This is a warning with MAXRC =4 (or higher), otherwise, it is an error condition. This is not a normal mode of operation. The source STD devices for single-hop are typically not RDF. For automated multihop, the source STDs are configured as R1 devices.

Action

Suspend SRDF between the R1 and R2 devices (set the R1 to TNR, target not ready).

BCVA090E

```
Process proc, Feature Reg failed, RC xx/xxxx, Symm symm-serial,  
Feature feature
```

Cause

TimeFinder/Clone feature registration failed on the storage system with the indicated RC.

Action

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVA091E

```
Process proc, R2STDb xxxxxx has R1 INVALID tracks, Symm symm-serial,  
RAG srdfgrp
```

Cause

There are invalid tracks owed to R1 device from R2STDb in a multihop environment. The SRDF/AR process cannot be started.

Action

Determine the cause of the invalid tracks and use SRDF Host Component to resolve the invalid track condition before attempting a START or RESTART of the process.

BCVA092I

```
Process proc, first cycle will not be consistent
```

Cause

The SRDF/AR process found invalid tracks owed to the R1 from the R2 on step 01C. This means that consistency on this cycle cannot be guaranteed.

Action

None.

BCVA093E

```
Process proc, Symm symm-serial, {STD|BCV} xxxxxx is in SRDF/Metro  
group yy
```

Cause

The BCV (or STD) device on the storage system is included in the SRDF/AR process; however, it is in a SRDF/Metro group, which is prohibited.

Action

Correct the definition of the SRDF/AR process, excluding all devices in the SRDF/Metro group.

BCVA094I

```
Process proc, R1 xxxxxx has R2 Invalid Tracks, Symm symm-serial,  
RAG srdfgrp
```

Cause

An SRDF/AR process found invalid tracks owed to the R2 from the R1. This message is followed by BCVA092I.

Action

None.

BCVA095E

```
Process proc, R2STDb xxxxxx is in ADCOPY mode, Symm symm-serial,  
RAG srdfgrp
```

Cause

The R2STDb device is in Adaptive Copy mode in a multihop environment. Adaptive copy is not allowed in a multihop environment. The SRDF/AR process cannot be started.

Action

Review the SRDF/AR definition and correct the definition or change mode to Synchronous.

BCVE001I

```
Export complete for Process x, RC x
```

Cause

The EXPORT has completed for the current process, with the return code in the message.

Action

None.

BCVE002E

```
Output file not allocated
```

Cause

A SYSOUT file is not allocated in the JCL for the job.

Action

Specify a SYSOUT DD name in the JCL for job output.

BCVE003E

```
Open failed, RC x
```

Cause

OPEN process failed for the output file, with the return code in the message.

Action

Determine the meaning of the return code in the Data Management documentation, and take appropriate action. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVE005E

```
DCB not open
```

Cause

The DCB for the SYSOUT file is not open at the time of the I/O operation.

Action

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVG009E

```
Too many devices specified in GROUP
```

Cause

An attempt was made to specify a group with more than 512 devices.

Action

Correct the problem and submit the job again.

BCVG018I

```
SYSIN line echoed
```

Cause

The noncomment SYSIN statement is echoed.

Action

This is an informational message only. No user action is required.

BCVG019E | BCGV019W

```
SRDF message table overflow
```

Cause

A request was made through the SRDF Host Component and the message table overflowed.

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the SETMAX argument.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVG022E

```
SYMAPI-SYM Device failed processing SYMDEV symdv#
```

Cause

A request to the SYMAPI failed while processing the device.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVG023E

```
SYMAPI-SYMDevice returned SYMDEV symdv#, requested SYMX DEV symdv#
```

Cause

A request to the SYMAPI returned incorrect information.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVG025E

```
Storage Obtain failed for SCFGBUF, rc xxxx, length yyyyyyyy
```

Cause

Insufficient virtual storage was available for the SCF Group Name Services buffer.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVI000E

```
DDname SYSIN not found
```

Cause

The SYSIN ddname is not present in your JCL.

Action

Specify the SYSIN ddname in your JCL.

BCVI001E

```
Open failed for DDname SYSIN
```

Cause

The SYSIN ddname is coded correctly.

Action

The record size must be 80.

BCVI002E

```
Following INPUT statement is invalid
```

Cause

The input statement does not start with a valid keyword.

Action

Specify a correct keyword.

BCVI003E

```
No ACTION found on INPUT line
```

Cause

No command was found on the input line.

Action

Specify the command to be performed before the end of the line.

BCVI004E

```
SYNTAX error on the following statement
```

Cause

A syntax error was encountered on the input statement.

Action

Review the statement and correct the error.

BCVI005E

```
CUU on statement (seq#) not found
```

Cause

The device specified was not found on your system.

Action

Specify a device on the storage system you wish to view.

BCVI006E

```
(seq#) SAICALL failed on device xxxxxx, return code xxxxxxxx/zz
```

Cause

A call to the SYMAPI storage system interface returned a nonzero return code. The probable cause is a device in an invalid state. The return code is the SYMAPI RC (xxxxxxx)/RS(yyyy) and the location (zz).

Action

Verify the state of the device with the z/OS 'DS P, cuu' command. If this command completes without error and shows on-line channel paths then report the problem to Dell EMC Customer Support.

BCVI007E

```
CUUS/CUUP not a EMC device xxxxxx
```

Cause

The device specified is not on a Dell EMC storage system.

Action

Specify a device on the Dell EMC storage system you want to view.

BCVI008E

```
(seq#) Controller MICRO-CODE level is not valid
```

Cause

The device specified is on a Dell EMC storage system with an operating environment level earlier than 5063.

Action

The storage system must be at Enginuity 5063 or a later level of the operating environment.

BCVI009E

```
SEQUENCE NUMBER must be from 1 to 128
```

Cause

The sequence number specified is outside the allowable range.

Action

Specify a sequence number from one to 128.

BCVI010E

Only ONE GLOBAL statement is allowed

Cause

Two GLOBAL statements were specified.

Action

Delete one of the GLOBAL statements.

BCVI011W

No ACTIONS found before SYSIN EOF

Cause

No actions were found in the SYSIN file.

Action

Specify a command to be performed.

BCVI012E

More than *nnnnn* ACTIONS specified

Cause

More than *nnnnn* actions were specified in the SYSIN file, where *nnnnn* is the default value of 16384 decimal (or 4095 hex) or the value set in the MAXREQ parameter. The *TimeFinder/Mirror for z/OS Product Guide* provides more information about MAXREQ.

Action

Reduce the number of actions to the number specified by *nnnnn* or less.

BCVI013E | BCVI013W

Wait must be specified on SPLIT with VOLID

Cause

The VOLID option was specified on the SPLIT statement but the WAIT option is not specified.

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the SETMAX argument.

Action

Specify the WAIT option in the GLOBAL or SPLIT statement.

BCVI014E

Invalid syntax on VERIFY statement

Cause

The VERIFY option is specified incorrectly on a RESTORE request.

Action

Correct the syntax and submit the command again.

BCVI015E

```
VERIFY must be specified on a FULL RESTORE
```

Cause

A full RESTORE is specified and the required option VERIFY is missing.

Action

Specify the VERIFY option in the RESTORE statement and submit the command again.

BCVI016E

```
Number of STANDARD and BCV devices must be equal
```

Cause

The number of BCV and standard devices within the specified BCV device range and standard device range, respectively, are not the same.

Action

Check the number of BCV devices specified in the BCV device range against the number of standard devices specified in the standard device range. Correct the problem if they are not the same. Otherwise, contact the Dell EMC Customer Support Center.

BCVI017E

```
Full RESTORE does not support device range
```

Cause

A device range was specified for a full RESTORE command.

Action

Correct the problem and submit the command again.

BCVI018I

```
<SYSIN line echoed>
```

Cause

The noncomment SYSIN statement is echoed.

Action

None.

BCVI019E | BCVI019W

```
SRDF message table overflow
```

Cause

The message table used in the SRDF to TimeFinder/Mirror interface has exceeded its capacity.

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the SETMAX argument.

Action

None.

BCVI020I

```
Start of INPUT control statement(s) from SYSIN
```

Cause

Identifies the start of the control statements read from the SYSIN file.

Action

None.

BCVI021I

```
End of INPUT control statement(s) from SYSIN
```

Cause

Identifies the end of the control statements read from the SYSIN file.

Action

None.

BCVI022E

```
(seq#) RESTORE specified VERIFY(FBADEV) but device not FBA
```

Cause

If you specify FBADEV with the VERIFY parameter, the device specified must be an FBA device.

Action

Specify FBA device or specify a volser other than FBADEV.

BCVI023E

```
(seq#) RESTORE specified FBA device but VERIFY VOLSER not FBADEV
```

Cause

On a full RESTORE of an FBA device, the VERIFY parameter must specify FBADEV.

Action

Specify FBADEV on the VERIFY parameter.

BCVI024E

```
VOLID specified on SPLIT not allowed for FBA device
```

Cause

An FBA device was specified with the VOLID parameter.

Action

The VOLID parameter is invalid with an FBA device.

BCVI025E

```
DSN= keyword failed validation
```

Cause

The dataset name specified is invalid.

Action

Correct the name and submit again.

BCVI031E

GROUP specified on ESTABLISH but was not found in a GROUP definition

Cause

The GROUP name specified was not found in the group statements defined in the TFBCVGRP DDname.

Action

Add a BCV group named as on the ESTABLISH GROUP statement.

BCVI032E

GROUP name specified on ESTABLISH is too long

Cause

The GROUP name must be between 1 and 20 characters.

Action

Correct the group name.

BCVI033I

message-text

Cause

The number of volumes that the dataset resides on and up to ten of the unit addresses are displayed.

Action

None.

BCVI037E

RANGE must not specify more than 4096 volumes

Cause

A device range specification spans more than 4096 devices.

Action

Reduce the range specified.

BCVI038E

Invalid parameter combination

Cause

The combination of parameters specified is invalid.

Action

Correct the statement and submit again.

BCVI039E

(seq#) MICROCODE does not support CHANGEDONLY/BCVREFRESH keyword

Cause

The specified command parameter is not valid on the operating environment level of the storage system.

Action

Remove the parameter or upgrade the operating environment to 5x65 or later.

BCVI040E

```
(seq#) MICROCODE does not support HOLD/RELEASE/RMT
```

Cause

The specified command parameter is not valid on the operating environment level of the storage system.

Action

Remove the parameter or upgrade the operating environment to 5x65 or later.

BCVI041E

```
(seq#) RMT specified but controller is not RDF
```

Cause

RMT was specified, but the storage system is not part of an SRDF configuration.

Action

Specify an SRDF storage system.

BCVI042E

```
(seq#) RMT specified with no RAGRP and dv# is not an R1 device
```

Cause

RMT was specified with no RAGRP and the cuu is not an SRDF device.

Action

Either specify an R1 SRDF device in the cuu parameter, or an RAGRP.

BCVI044E

```
Security check: descriptive_message
```

Cause

The Security Interface has denied access. The *descriptive_message* provides further information:

- ACCESS DENIED - The Security Interface has denied access to the resource, contact your security administrator for proper access.
- SECURITY SUBSYSTEM IS NOT ACTIVE - The security interface is not running. Either start the security subsystem, or run job EMCSAFD from the SCF SAMPLIB to disable the security feature. The *TimeFinder/Mirror for z/OS Product Guide* provides information about disabling the security feature.
- EMCSAFRB ERROR - CLASS NOT SPECIFIED - The EMCSAFRB control structure passed to the security interface is in error. Field ESRBCLAS is not filled in. If you have customized the SAF interface, then review your changes for errors. If you have not customized the SAF interface, contact the Dell EMC Customer Support Center.
- EMCSAFRB ERROR - INVALID AUTHORITY LEVEL REQUESTED - The EMCSAFRB control structure passed to the security interface is in error. Field ESRBATTR has an invalid value. If you have customized the SAF interface, then

review your changes for errors. If you have not customized the SAF interface, contact the Dell EMC Customer Support Center.

- EMCSAFRB ERROR - RESOURCE NAME NOT SPECIFIED - The EMCSAFRB control structure passed to the security interface is in error. Field ESRBRNAM is not filled in. If you have customized the SAF interface, then review your changes for errors. If you have not customized the SAF interface, contact the Dell EMC Customer Support Center.
- EMCSAFRB ERROR - INVALID DSTYPE VALUE SPECIFIED - The EMCSAFRB control structure passed to the security interface is in error. Field ESRBDSTY has an invalid value. If you have customized the SAF interface, then review your changes for errors. If you have not customized the SAF interface, contact the Dell EMC Customer Support Center.
- EMCSAFRB ERROR - DSTYPE IS NOT M AND VOLSER NOT SPECIFIED - The EMCSAFRB control structure passed to the security interface is in error. Field ESRBDSTY has an invalid value. The value is not M, and field ESRBVSER is not filled in. If you have customized the SAF interface, then review your changes for errors. If you have not customized the SAF interface, contact the Dell EMC Customer Support Center.

The job is terminated.

Action

Take the corresponding action as described above.

BCVI045E

```
(seq#) MICROCODE does not support WAITSYNC option on SPLIT action
```

Cause

The specified command parameter is not valid on the operating environment level of the storage system.

Action

Remove the parameter or upgrade the operating environment 5x64 or later.

BCVI046E

```
(seq#) MICROCODE does not support R2Sync/INstant
```

Cause

The version of the operating environment in the storage system is not at the correct level for this function.

Action

Contact your Dell EMC representative to obtain the current level of the operating environment.

BCVI047E

```
(seq#) RANGE start is higher then RANGE end
```

Cause

The CUU-CUU or SYM#DEV-SYM#DEV range specified on this statement is incorrect.

Action

Specify an ascending from-to range and submit the request again.

BCVI048E | BCVI048W

```
(seq#) MICROCODE does not support EXTended Query, reset to  
standard Query
```

Cause

The version of the operating environment in the storage system is not at the correct level for this function.

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the SETMAX argument.

Action

Contact your Dell EMC representative to obtain the current level of the operating environment.

BCVI049E

```
(seq#) MICROCODE does not support
```

Cause

The specified command parameter is not valid for the version of the operating environment that runs on the storage system.

Action

Remove the parameter or upgrade to a current level of the operating environment.

BCVI050E

```
(seq#) Mutually exclusive options:
```

Cause

The indicated options cannot be specified together.

Action

Remove one or both of the options.

BCVI051E

```
(seq#) RMT specified with no RAGRP and Concurrent RDF is enabled
```

Cause

When Concurrent SRDF is enabled, the RAGRP parameter is required for REMOTE actions.

Action

Specify the RAGRP parameter.

BCVI052E

```
STORAGE OBTAIN failed for indicated area
```

Cause

Insufficient storage was available for the indicated area.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVI053E

```
STORAGE RELEASE failed for indicated area
```

Cause

The Storage Release function failed for the indicated area.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVI054E

```
(seq#) xxxx xx devices are not on the same Symmetrix system
```

Cause

At least one device in the indicated device list is not on the same storage system as the other devices.

Action

Review the device lists and correct the devices that are in error.

BCVI055E

```
(seq#) Maximum number of Devices exceeded
```

Cause

The internal table capacity to contain the device list has been exceeded.

Action

Redefine the process, specifying MAXDEV(99999), to increase the table size.

BCVI056E

```
(seq#) Required parameter not specified:
```

Cause

The indicated parameter is required.

Action

Ensure all required parameters are specified.

BCVI057E

```
Source BCV xxxxxx is not an R1 device
```

Cause

The specified BCV device is not an R1 device.

Action

Specify a BCV device that is an R1.

BCVI058E

```
Invalid control unit type
```

Cause

The indicated storage system is invalid.

Action

Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot find a solution to your problem, contact the Dell EMC Customer Support Center.

BCVI059E

```
Controller is not RDF capable
```

Cause

The indicated storage system is not configured for SRDF.

Action

Correct the device lists to select the correct storage system.

BCVI060E

```
Required tables not defined for SRDF/AR
```

Cause

The indicated table is not defined.

Action

Review the input parameters for the correct device specifications. Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVI061E

```
MICROCODE does not support SAR
```

Cause

The indicated storage system is not running Enginuity 5x66 or a later level of the operating environment.

Action

Review the input parameters for the correct device specifications. Contact your Dell EMC representative and the correct version of the operating environment.

BCVI062E

```
(seq#) Invalid SRDF/AR request: reason
```

Cause

The SRDF/AR request failed for the indicated reason.

Action

Review the input parameters for the correct specifications. Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVI062W

```
(seq#) Invalid SRDF/AR request: reason
```

Cause

The SRDF/AR request failed for the indicated reason.

Action

Review the input parameters for the correct specifications. Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVI063E

```
(seq#) Duplicate device entry, BCV CUU ccuu
```

Cause

The CUU has already been defined.

Action

Review the input parameters for the correct device specifications. Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVI064I

```
- SRDF/AR delete messages -
```

Cause

The indicated SRDF/AR process or SRDF/AR environment have been deleted.

Action

None.

BCVI065E

```
Name/Token Services error - function, rc
```

Cause

The indicated Name/Token Services function failed with the indicated return code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVI066E

```
(seq#) Process proc not restarted, reason
```

Cause

The specified process could not be restarted because the previous run was forced or terminated with an error.

Action

All devices in the process must be restored to their initial state prior to resuming the process. After an error, a start request must be used to resume the process.

BCVI067E

```
(seq#) Process proc not added, maximum processes already defined
```

Cause

The process could not be added because the maximum number of processes are already defined.

Action

An existing process must be deleted in order to add another process. Contact the Dell EMC Customer Support Center.

BCVI068E

```
SAICALL failed on device dv#, return code xxxxxxxx/xx
```

Cause

Call failed with the return code/reason code.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVI069E

```
(seq#) Gatekeeper device is not on the same Symm
```

Cause

An attempt was made to access devices through a Gatekeeper that was not on the same storage system.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVI070E

```
(seq#) Source STD std_cuu is a SymmPAV device
```

Cause

During validation of the Symmetrix Automated Replication Facility the device was found to be a SymmPAV device. SRDF/AR will not complete initialization.

Action

Correct the configuration.

BCVI071E

```
(seq#) Number of devices in the DEV_LIST entries must be equal
```

Cause

The number of devices in SRCR1BCV, SRCSTD, and TGTBCV do not match.

Action

Correct the configuration.

BCVI072E

```
(seq#) Protected BCV Establish is not currently supported
```

Cause

TimeFinder/Mirror does not currently support Protected BCV ESTABLISH.

Action

When the feature is available, an enabling patch will be issued. Contact the Dell EMC Customer Support Center for availability.

BCVI073I

```
(seq#) Normal Split converted to Instant on microcode levels 5x68 and above
```

Cause

Support for a normal or traditional Split has been discontinued in Enginuity 5x68. The Split operation has been internally converted to an Instant Split.

Action

None.

BCVI074E

```
(seq#) Invalid RDF group specified, a multi-hop list is not supported
```

Cause

A multihop list was specified for an SRDF/AR automated multihop request.

Action

Specify a single SRDF group associated with the R1-R2 pair.

BCVI075E

```
Concurrent RDF is enabled on STD xxxxxx, Symm symm-serial
```

Cause

Concurrent SRDF is enabled on the R1 STD device and an SRDF group was not specified.

Action

Specify a single SRDF group associated with the R1-R2 pair.

BCVI076E

```
Invalid RA group specified for STD xxxxxx, Symm symm-serial
```

Cause

An invalid SRDF group was specified on the SRDF/AR definition.

Action

Specify a valid SRDF group associated with the R1-R2 pair.

BCVI077E

```
Device xxxxxx invalid, Symm device number required, Symm symm-serial
```

Cause

An invalid device number was specified.

Action

For SRDF/AR and all TimeFinder/Mirror commands, a PowerMax or VMAX device number representing the SRCR1BCV is required when the LCLR1BCV option is specified. The TGTBCV parameter requires a PowerMax or VMAX device number.

For a TimeFinder/Mirror operation, correct the command to specify a valid PowerMax or VMAX device number. For example:

Using the TF/Mirror Split command:

```
BCVI018I (0002) SPLIT 2,LCL(851F,1BC0)
```

```
BCVI021I End of INPUT control statement(s) from SYSIN
```

The message issued is:

```
BCVI077E Device 1BC0 invalid, Symm device number required, Symm  
0001926-00313
```

```
BCVM047I All control statements processed, highest RC12
```

BCVI078E

```
Target BCV xxxxxx cannot be an Rn device, Symm symm-serial,  
RAG srdfgrp
```

Cause

Either an R1 or an R2 device was specified for the target BCV device.

Action

Specify a non-SRDF BCV device for TGTBCV.

BCVI079E

```
(seq#) BCV xxxxxx Data Migration is active on Controller symm-  
serial
```

Cause

The storage system is currently in Data Migration mode. TimeFinder/Mirror operations are not available until the migration is complete and the storage system is returned to normal operational mode.

Action

Defer these requests until the migration is complete.

BCVI080E

```
(seq#) CONFIG BCV is not currently supported
```

Cause

A request to change a standard to a BCV or BCV to standard is not currently supported.

Action

None.

BCVI081E

```
Symm table overflow (reason)
```

Cause

Internal processing error.

Action

Review the job log and SYSLOG for errors and check for a duplicate command. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center.

Ensure that you have all relevant job documentation available.

BCVI082I

```
(seq#) Symm symm-serial, ECA detected and {enabled|disabled}
```

Cause

ECA functionality has been detected on the storage system. If enabled is displayed, ECA will be utilized; otherwise, the IOSL method will be employed.

Action

If disabled is displayed, review the jobstream. Utilizing ECA provides better performance.

BCVI083E

```
(seq#) Symm symm-serial, ECA requested but not available
```

Cause

ECA has been requested but is not available on the storage system.

Action

Remove the specification of ECA on the SPLIT command or change it to IOSL.

BCVI083W

```
(seq#) Symm symm-serial, ECA requested but not available, reset to IOSL
```

Cause

ECA has been requested but is not available on the storage system. The request has been changed to use the IOSL method.

Action

None.

BCVI084I

```
Symm symm-serial, Conflicting Consistent Split options
```

Cause

Conflicting consistent split mode options have been detected for the storage system.

Action

Processing proceeds but may not be optimum. Utilizing ECA provides better performance.

BCVI085E

```
SRDF/AR validation error, device xxxxxx must be a {BCV|STD},  
Symm symm-serial
```

Cause

The indicated device is not the correct type. If "BCV" is displayed, a STD device was supplied when a BCV is required. If "STD" is displayed, a BCV device was supplied when a STD is required.

Action

Review the input and correct the specification of the device in error.

BCVI086E

```
(seq#) BCV xxxxxx is an FBA device, ineligible for ECA
```

Cause

Due to incompatibilities with open systems hosts, FBA devices are not eligible for ECA processing.

Action

Change the SPLIT command, specifying the IOSLevel option.

BCVI087E

```
(seq#) Required parameter STDCUU not specified
```

Cause

The STDCUU parameter is required for a remote or local consistent split.

Action

Specify the standard device for which consistency is desired. This is the device where I/Os are held in the local system during the consistent split.

BCVI088E

```
API call failed, EMCSCF is not active
```

Cause

The Dell EMC Server Address Space is not active.

Action

Verify that EMCSCF is active and the correct subsystem name is specified.

BCVI089I

```
(seq#) BCV xxxxxx is an FBA device
```

Cause

The message is issued for a consistent split of FBA BCV devices.

Action

None.

BCVI090E

```
(seq#) STDCUU required with IOSL or RMT
```

Cause

The STDCUU parameter is required when IOSL is requested or for a remote consistent split.

Action

Submit the command again, specifying the STDCUU parameter.

BCVI092E

```
(seq#) Invalid RA Group specified
```

Cause

The specified SRDF group does not match the SRDF group for any mirror position on a R1 device in concurrent SRDF mode.

Action

Ensure that the R1 device in concurrent SRDF mode is in a valid R1-R2 relationship.

BCVI095E

```
(seq#) Process proc, SDDF function failed for xxxxxx, RC xx,  
RSNC xxxx, Symm symm-serial
```

Cause

The SDDF function failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVI096E

```
(seq#) BCV xxxxxx is a Striped CKD device, ECA not allowed,  
Symm symm-serial
```

Cause

A consistent split of a striped CKD device requires a patch for the operating environment.

Action

Contact the Dell EMC Customer Support center with the patch.

BCVI097E

```
(seq#) Required Gatekeeper device not specified
```

Cause

A gatekeeper device must be specified for LCLSTD and LCLR1BCV.

Action

Submit the SRDF/AR definition again, specifying a gatekeeper CUU.

BCVI098E

```
(seq#) Symm symm-serial, ECA required with LCLSTD
```

Cause

ECA is required when LCLSTD is specified.

Action

If ECA is available, remove the IOSL specification and submit the SRDF/AR definition again.

BCVI099E

```
(seq#) MP mode required for xxxxxxxx
```

Cause

The MPR1BCV parameter is valid for an MP-SRDF/AR definition only.

Action

Submit the SRDF/AR definition again, specifying HOP_TYPE(MP).

BCVI100E

```
(seq#) BCV/STD xxxxxx an SRDFA device
```

Cause

For an ESTABLISH or RESTORE using an R1 or R2 BCV, SRDF/A is not allowed on the BCV. A RESTORE is not allowed to an R2 STD that is an SRDF/A device.

Action

SRDF/A must be deactivated on the device before the command can be processed.

BCVI101W

```
(seq#) CO(N) specified for an Instant Split
```

Cause

All instant splits are differential (there is no option in the operating environment to allow a nondifferential split). The option is ignored.

Action

Do not try to perform a nondifferential split.

BCVI102E

```
STD xxxxxx has an active SRDFA session, Symm symm-serial,  
RAG srdfgrp
```

Cause

SRDF/A is not compatible with SRDF/AR.

Action

Review the SRDF/AR configuration and either change the definition to remove the SRDF/A devices, or deactivate SRDF/A.

BCVI103E

```
(seq#) Multi-hop not supported for a Remote Consistent Split
```

Cause

There is no concept of consistency for a remote multihop split. The operation is denied.

Action

None.

BCVI104E

```
Routine xxxxxxxx failed, RC xx, RSNC xxxx
```

Cause

A routine failed with the indicated return and reason codes.

Action

Note the return and reason codes and contact Dell EMC Customer Support. Ensure that you have all relevant job documentation

BCVI105E

```
(seq#) Internal error - error reason
```

Cause

An internal routine failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVI106E

```
(seq#) Invalid RDF mirror mask xx, BCV xxxxxx, Symm symm-serial
```

Cause

The SRDF mirror mask is invalid for the BCV. This could be caused by the device being in an unexpected state.

Action

Check the state of the device and correct if possible.

BCVI107E

```
(seq#) Consistent Split not licensed, RC xx, Symm symm-serial
```

Cause

The Consistent SPLIT feature requires a valid Licensed Feature Code.

Action

Contact your Dell EMC sales representative for a valid Licensed Feature Code.

BCVI108E | BCVI108W

```
(seq#) Symm symm-serial, patch 18954 not applied
```

Cause

ECA with Striped CKD requires patch 18954.

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the SETMAX argument.

Action

Contact Dell EMC Customer Support for the required patch.

BCVI109E

```
(seq#) BCV xxxxxx is a Raid 5 device. Versions of TimeFinder/Mirror prior to 5.4.0 do not support RAID 5 BCVs
```

Cause

RAID 5 (or RAID 6) protected BCVs are not supported by this version of TimeFinder/Mirror.

Action

Contact your Dell EMC representative for a new version of TimeFinder/Mirror.

BCVI110E | BCVI110W

```
(seq#) SCF v.r.m does not support multi-attach
```

Cause

This version of SCF (ResourcePak Base) does not support the multi-attach feature. Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the SETMAX argument.

Action

The multi-attach operation requires ResourcePak Base 5.4 and available maintenance or later. Contact your Dell EMC representative to obtain the correct level of ResourcePak

Base.

BCVI111E

```
(seq#) STD xxxxxx is not a standard device
```

Cause

The device number specified as the STD (cuup or sym#std) is not a standard device. This message is given with clone emulation. TimeFinder/Mirror rejects an ESTABLISH or RESTORE command if you do not use a standard device. However, because clone emulation mode does not have this restriction, TimeFinder/Mirror explicitly checks for a standard device when clone emulation is used.

Action

Correct the command to specify a standard device.

BCVI112E | BCVI112W

```
(seq#) Multi-attach requires patch 24159, Symm symm-serial
```

Cause

The multi-attach parameter was specified, and Enginuity patch 24159 is not installed on the storage system. If the message is a warning, the command was issued for a single device pair only. Otherwise, it is rejected.

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the SETMAX argument.

Action

Apply patch 24159 to all storage systems where multi-attach will be run.

BCVI113E | BCVI113W

```
Incomplete FBA Meta group, Device xxxxxx, Symm symm-serial
```

Cause

An incomplete FBA meta group was detected. For active operations, all members of the FBA meta group must be specified. The members of the group are displayed by message BCVI114I.

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information.

Action

Update the input commands to include all members of the FBA meta group.

BCVI114I

```
Stripe Head Members
```

Cause

Header for FBA Meta group list - as a result of message BCVI113W | BCVI113E.

Action

Use this list of FBA members to update the input file to contain all members of the FBA Meta group.

BCVI115E | BCVI115W

Policy P2 not allowed with AMH

Cause

SRDF/AR Pooling (SRDF/AR Device Substitution) is not supported for automated multi-hop configurations.

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the SETMAX argument.

Action

Re-define the SRDF/AR process without Policy P2.

BCVI116E

Format 1:

(seq#) BCV xxxxxx, invalid Remote Consistent Split, STD xxxxxx is not an R2 device

Format 2:

(seq#) BCV xxxxxx, invalid Remote Consistent Split, BCV Not Established

Cause

Format 1: The STD device associated with the remote BCV device is not an R2. This is invalid for a remote consistent split. The purpose of a remote consistent split is to create a PIT on the remote BCVs that are related to the R1 device via the R2 STD (I/O is held on the R1 devices for the duration of the consistent split).

Format 2: The BCV is not established. This is also invalid for a remote, consistent split.

Action

Verify the remote BCV device numbers.

BCVI117E

SARPOOL requires SCF 550 with Pooling support

Cause

SRDF/AR Pooling (SRDF/AR Device Substitution) requires SCF 5.5.0 (or later) with pooling support.

Action

Apply SCF PTF SF55013.

BCVI119E | BCVI119W

(seq#) BCV xxxxxx, ECA not set for Rn-STD xxxxxx (reason)

Cause

A consistent split was requested using the ECA (Enginuity Consistent Assist) feature, but ECA was not set for the STD device (R1 or R2) due to the stated reason. The reason could be one of the following:

- R1 not TNR (for R2-STD) – If the R1 is not TNR (Target Not Ready), consistency cannot be assured.
- Semi-sync or ADCOPY (for R1-STD) – If the R1 is not in Synchronous mode,

consistency cannot be assured.

- Remote R1-STD xxxxxx (on *symm-serial*) - Currently, ECA can be employed on the local storage system only. If the R1 device is on a remote storage system (identified by the serial number), ECA is not set.

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the SETMAX argument.

Action

Unless ECA can be set for all STD devices participating in the consistent split, ECA will not be employed for any of the related STD devices and the request is changed to an instant split. Correct the condition and submit the job again.

BCVI120E | BCVI120W

```
(seq#) BCV xxxxxx, incorrect STDCUU specified (ccuu/dev# substituted)
```

Cause

A consistent split was requested specifying the incorrect STD device. This is a warning when MAXRC=4 or higher - the correct device is substituted and the consistent split will execute. For an error situation, no substitution is attempted and the operation fails. The STDCUU field will contain dashes if any of the following conditions applies:

- The correct STD device is on a storage system that is remote from where the SPLIT command was issued.
- The correct STD device is not mapped to the system.
- The correct STD device has been excluded

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the SETMAX argument.

Action

The STDCuu parameter is no longer required for a consistent split. It can be removed or changed to specify the correct STD device.

BCVI121I

```
ECA bypassed for SRDF/A Remote Consistent Split
```

Cause

Consistency for BCVs attached to SRDF/A R2 devices is managed by suspending SRDF/A during the split and does not require ECA.

Action

None.

BCVI122E | BCVI122W

```
Seq# seq#: Consistent Split includes SRDF/A and non-SRDF/A devices, Consistency cannot be assured
```

Cause

A consistent split was requested for a mix of SRDF/A and non-SRDF/A devices. The

request is converted to an instant split because consistency cannot be coordinated between these types of devices.

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the SETMAX argument.

Action

Specify a different sequence number for the consistent split commands or change one set to an instant split.

BCVI123E | BCVI123W

```
Seq# seq#: Consistent Split converted to Instant Split
```

Cause

When ECA cannot be set for a STD device participating in a consistent split, the request is converted to an instant split and ECA will not be set for any of the STD devices.

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the SETMAX argument.

Action

See the accompanying BCVI119W | BCVI119E, BCVI122W | BCVI122E, or BCVI132W messages.

BCVI124W

```
Function API call failed, CUU ccuu, RC xx/xxxx/xxxxxxxx
```

Cause

An API call failed for the indicated function.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVI125E

```
SRDF/AR Multi-Protection mode is not supported.
```

Cause

An attempt was made to use SRDF/AR multi-protection mode. This feature is no longer supported. After this message is issued, the process definition terminates.

Action

Change the SRDF/AR definition to automated multihop (AMH): HOP_TYPE=(MULTI).

BCVI126E | BCVI126W

```
File not allocated: ddname
```

Cause

The required file specified by ddname is not allocated to the TimeFinder/Mirror jobstep. Depending on how you set the MAXRC parameter of the GLOBAL command, this message

can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the SETMAX argument.

Action

Allocate the file to the TimeFinder/Mirror job step and rerun.

BCVI127W

```
Tolerate Desired State ignored for Consistent Split.
```

Cause

If set, the TolerateDesiredState global parameter is ignored for a consistent split because of the BCVs cannot be guaranteed if all of them aren't split within the scope of the same protection mechanism. If you issue TolerateDesiredState(SPLIT) or TolerateDesireState(ANY) in the same jobstep as a consistent split, BCVI127W is issued.

Action

The action depends on the state of the BCVs. If all the BCVs are attached, no action need be taken. If any BCV is not attached, the BCV fails. In this case, either:

- Establish the BCV(s) and rerun the consistent split.
- Convert the consistent split to an instant split.

BCVI128W

```
Controller level ECA Clear disabled for RMT Consistent Split -  
reason
```

Cause

The cause depends on the reason displayed. *reason* can be:

- `multiple RA groups` - Storage system-level ECA Clear is not supported when different SRDF groups from a source storage system to the same target storage system are detected at the same sequence level for a RMT consistent split.
- `mixed-mode ECA` - Storage system-level ECA Clear is not supported for mixed mode ECA (resulting from inconsistent SRDF states for the related R1 or R2 devices).

Action

For the multiple SRDF group case, specify the same SRDF group on all RMT consistent split commands between the same pair of storage systems.

For the mixed-mode ECA case, examine the SRDF state of the related R1 or R2 STD devices. If any R2 is TNR and another is not, or if any of the STDs are active R2 devices and others are not, or if a combination of these states exist, set all the STD devices to a consistent SRDF state. If this is neither desirable nor possible, specify `CONS(ECACLEAR(SEQLVL))` to suppress the message. For a non-RMT consistent split, the ECACLEAR default is CNTRL.

BCVI129E

```
Unable to determine device data for Symm symm-serial
```

Cause

This is an error condition and is followed by a user abend (abend code 129). It indicates an internal error.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVI130W

```
Symm symm-serial does not support Multi-Attach
```

Cause

Multi-attach was requested, but the storage system on which the devices reside does not support it. The command will be processed as if multi-attach had not been requested.

Action

Do not use multi-attach or use a storage system that does support multi-attach.

BCVI131W

```
(seq#) BCV xxxxxx is not attached - cannot perform Consistent Split
```

Cause

The current BCV is not attached, and therefore cannot be split.

Action

In order to obtain a consistent split, submit the request again after ensuring that all BCVs are attached to standard devices.

BCVI132W

```
Seq# seq#: Consistent Split includes unattached BCV, consistency cannot be assured
```

Cause

When one or more BCVs is not attached in a consistent split, the request is converted to an instant split and ECA will not be set for any of the STD devices.

Action

Refer to the accompanying BCVI123W | BCVI123E message. If a Consistent Split is desired, establish all BCVs and rerun the job.

BCVI133W

```
(seq#) BCV xxxxxx, Consistent Split allowed for (rrrrrrrrrr)
```

Cause

The ALLOWNONSYNC subparameter has been specified within the CONS parameter of the GLOBAL command, to allow a consistent split to continue, even though the STD device in the split is in Adaptive Copy mode.

Action

None.

BCVI134W

```
(seq#) BCV xxxxxx is in tolerance mode - cannot perform consistent Split
```

Cause

The STD device attached to the BCV is in an SRDF relationship that is in tolerance mode.

Action

Determine the reason that tolerance is on for the SRDF pair. For example, MSC may have become inactive. Change the SRDF configuration so that tolerance mode is off, before attempting a Consistent Split.

BCVI135W

```
Seq# seq#: Consistent Split includes MSC and non-MSD devices,  
consistency cannot be assured
```

Cause

A mix of MSC mode and non-MSD mode SRDF/A SRDF groups was detected during Consistent Split processing at the same sequence level.

Action

Code the splits with the SRDF groups at different sequence levels, if consistent SRDF/A splits are required. Otherwise, the splits are converted to Instant Splits (if MAXRC =4 or more).

BCVI136W

```
(seq#) BCV xxxxxx is in CEXMPT mode -- cannot perform a Consistent  
Split
```

Cause

A Consistent Split has been requested, but the BCV or STD device specified is in an SRDF/A group that is in Consistency Exempt mode.

When TimeFinder writes this message, it also converts the split to an Instant Split.

Action

None.

BCVI137E

```
BCV xxxxxx is a Thin Device that is currently Unbound - Command  
Rejected
```

Cause

A device number was specified for an unbound thin device.

Action

Add the device to a pool of bound devices in the storage system, then run the job again.

BCVI138E

```
No FBA Meta data for Symm symp-serial
```

Cause

A device in a TimeFinder/Mirror command was identified as a member of an FBA meta group, but no meta data was found on the storage system for that group.

Action

Contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVI139I

```
FBA Meta group will be completed and processed
```

Cause

An FBA Meta group was found to be incomplete, and the Meta Head device number was specified. The group will be completed internally and processed.

Action

None.

BCVI140E

```
FBA Meta group not found for STD device xxxxxx
```

Cause

An incomplete FBA meta group for a BCV was in the process of being internally completed, but the FBA meta group for the STD device in the command was not found. This error will occur only when the TimeFinder/Mirror command in process requires a STD device to be specified (for example, Full Establish).

Action

Ensure that the STD device in the command is the meta head of the FBA Meta group for the STD. Then run the job again.

BCVI141E

```
FBA Meta Head not specified - group not completed
```

Cause

An incomplete BCV FBA Meta group was found, and the Meta Head device was not specified in the command.

Action

Specify the Meta Head device for the BCV FBA Meta group, and rerun the job. Specifying the GLOBAL command with the FBAMETA(ALLOWINCOMPLETE) parameter will allow for just one member to be processed.

BCVI143E

```
(seq#) BCV xxxxxx is a VFCAche Device - Command Rejected
```

Cause

The BCV in the current command is a VFCAche device, which is not allowed in TimeFinder/Mirror operations.

Action

Run the job again with a device that is allowed to be used with TimeFinder/Mirror commands.

BCVI144E

```
(seq#) BCV xxxxxx is an FTS Encapsulated Device - Command Rejected
```

Cause

The BCV in the current command is a FTS encapsulated device, which is not allowed in TimeFinder/Mirror operations.

Action

Run the job again with a device that is valid in TimeFinder/Mirror commands.

BCVI145E

```
(seq#) SYMDEV symdv# is not a BCV (PROC_QRYBUF)
```

Cause

A BCV entry for the indicated device number was not found in the BCV query buffer.

Action

Determine why the device number is not a BCV. Run the job again with a valid BCV device.

BCVI146W

```
(seq#) SAR DELETE FORCE specified - common storage for Group data structures could be lost
```

Cause

The FORCE parameter was specified on an SRDF/AR DELETE command, for an active SRDF/AR process that could not be stopped. The FORCE option is effective only in this situation, to allow a "stuck" SRDF/AR process to be deleted.

This message will be issued for an SRDF/AR DELETE, FORCE only if the active flag is set for the process and an SRDF/AR STOP was previously issued.

Action

If desired, redefine the SRDF/AR process.

BCVI147E

```
(seq#) STORAGE RELEASE failed, rc rcod, area (Subpool sss, aaaaaaaaa/11111111)
```

Cause

A STORAGE RELEASE failed with return code *rcod* for the storage area *area* in subpool *sss* at address *aaaaaaaa*, for a length of *11111111*.

Action

Contact the Dell EMC Customer Support Center for assistance. Provide the TimeFinder job output and the z/OS system log. It might be helpful to schedule a dump of common storage.

BCVI148E | BCVI148W

```
First SRDF/A dev std1xx(bcv1xx), Symm symm-serial; non-SRDF/A dev std2xx(bcv2xx), Symm symm-serial
```

Cause

A Consistent SPLIT was requested for a mix of SRDF/A and non-SRDF/A devices at the same sequence number. First SRDF/A and non-SRDF/A devices are indicated. Refer to the BCVI122E | BCVI122W message description.

Action

None.

BCVI149E | BCVI149W

```
Seq# seq#: Consistent Split includes multiple MSC Groups, consistency cannot be assured
```

Cause

A consistent split was requested for a range of devices which belong to different MSC groups. If MAXRC >= 4, the request is converted to an instant split, otherwise exit with error.

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the

SETMAX argument.

Action

Specify a different sequence number for the consistent split commands or change one set to an instant split.

BCVI150E | BCVI150W

```
Seq# seq#: Consistent Split includes multiple SRDF/A groups  
without MSC, consistency cannot be assured
```

Cause

A consistent split was requested for a range of devices which belong to multiple SRDF/A groups without MSC.

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the SETMAX argument.

Action

Determine the reason MSC is inactive before attempting another consistent split, or code the splits with the SRDF groups at different sequence levels, if consistent SRDF/A splits are required. Otherwise, the splits are converted to instant splits (when MAXRC>=4).

BCVI151E

```
(seq#) Issue STOP(FORCE) separately before using DELETE(FORCE)
```

Cause

The SRDF/AR process for which the DELETE(FORCE) command has been issued is actually working (not abnormally terminated without clearing the Active flag).

Action

Stop the SRDF/AR process for which this error message has been issued or wait until it stops if the STOP command has already been issued for it.

The STOP command for this SRDF/AR process must be issued in a separate job step or through ResourcePak Base.

BCVI152E

```
(seq#) Maximum RDF hops exceeded
```

Cause

A remote command was specified with more than four SRDF groups. A maximum of four SRDF groups are supported for multihop configurations.

Action

Resubmit the command with four or fewer SRDF groups.

BCVI153W

```
First MSC dev std1xx(bcv1xx), Symm symm-serial; first non-MSC  
dev std2xx(bcv2xx), Symm symm-serial
```

Cause

A mix of MSC mode and non-MSC mode SRDF/A SRDF groups was detected during Consistent Split processing at the same sequence level. First MSC and non-MSC devices and storage systems are specified. See the BCVI135W message description.

Action

None.

BCVI154E

```
(seq#) Establish rejected, different Meta status of  
BCV xxxxxx and STD xxxxxx
```

Cause

The specified BCV and STD devices have different meta statuses.

Action

Ensure the correct devices have been specified. Ensure that the STD and BCV devices in the command are both the meta heads of the FBA meta groups, or are both meta members with equal indexes in the meta group.

BCVI155E

```
(seq#) command rejected, BCV xxxxxx is {FBA|CKD},  
STD xxxxxx is {FBA|CKD}
```

Cause

The specified BCV and STD devices are different device types: BCV is an FBA device when STD is a CKD device or vice versa.

Action

Specify BCV and STD devices of the same device type.

BCVI156I

```
(seq#) BcvState parameter will be ignored
```

Cause

BCVState parameter was specified for MODIFY DEFINE command. This parameter is ignored.

Previously, the BCVState parameter was allowed to control the state (*Ready* or *Not Ready*) of BCVs in an SRDF/AR configuration after SPLITs. However, this option is no longer supported - all BCVs are to be left NR after SPLITs.

Action

None.

BCVI157E | BCVI157W

```
Seq# seq#: STD device xxxxxx has R1 invalid trks, consistency  
cannot be assured
```

Cause

Invalid tracks are owed to the R1 from the STD device. This is a message is issued as a warning (W) when MAXRC =4 or higher - request is converted to an instant split. In other situations, the operation fails.

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.

Action

Determine the cause of the invalid tracks and use SRDF Host Component to resolve the invalid track condition before executing the consistent split command.

BCVI158E

```
(seq#) SYMDEV symdv# is a RAID10 member. Only RAID10 head devices  
can be specified
```

Cause

RAID10 members cannot be specified in the statement.

Action

Ensure that only RAID10 head devices are specified in the statement. RAID10 members will be determined by the head. Then run the job again.

BCVI159I

```
(seq#) IOSLEVEL was converted to ECA
```

Cause

TimeFinder automatically converts IOSLEVEL to ECA if ECA functionality has been detected on the storage system. Utilizing ECA provides better performance.

Action

None.

BCVI160E

```
(seq#) Remote request with no link available
```

Cause

Some SRDF groups defined in the request are offline or do not exist.

Action

Verify the state of the groups defined in the request and make sure that they are in the appropriate state. If all groups exist and are online, then report the problem to the Dell EMC Customer Support Center.

BCVI161E

```
(seq#) Path to CUU sccuu not found
```

Cause

The probable cause is that the device is physically unavailable.

Action

Verify the state of the device with the z/OS 'DS P,ccu' command. If this command completes without error and shows on-line channel paths, report the problem to the Dell EMC Customer Support Center.

BCVI162E

```
(seq#) Invalid RDF group found: value
```

Cause

A non-hex SRDF group number was specified in the remote command.

Action

Specify a correct SRDF group number and re-submit the command.

BCVI163E

```
Full RESTORE LOCAL supports device ranges only with VERIFY(FBADEV)
```

specified

Cause

Full restore for a range of devices is only allowed for FBA devices; therefore, VERIFY(FBADEV) is required.

Action

Ensure that devices in the range are FBA and VERIFY(FBADEV) is specified, or use the Full Restore command without range (LOCAL or via CUU) for CKD devices.

BCVI164E

Unable to determine R1-R21 link mode - R1 is more than 4 hops away from gatekeeper.

Cause

A remote Consistent SPLIT command was specified with three or less SRDF groups but in fact the number of hops from the gatekeeper to the ECA device is more than 4.

Action

Check your environment and change the remote Consistent SPLIT command to have less than 4 hops from the gatekeeper to the ECA device.

BCVI165E

Maximum RDF hops exceeded for Consistent Split.

Cause

A remote Consistent SPLIT command was specified with more than three SRDF groups. A maximum of three SRDF groups are supported for the remote Consistent SPLIT command.

Action

Resubmit the command with three or fewer SRDF groups.

BCVI166E

(seq#) Not authorized to override parameter

Cause

The user is not authorized to override the indicated parameter of the current command. This is caused by Site Options security configurations.

See the *Mainframe Enablers Installation and Customization Guide* and the *TimeFinder/Mirror for z/OS Product Guide* for more information about TimeFinder/Mirror site options.

Action

Define SITE-OPTIONS-OVERRIDE in appropriate class (as described in the *Mainframe Enablers Installation and Customization Guide*) or remove the parameter from the input and re-run the command sequence.

BCVI167E

(seq#) STD xxxxxx is SRCSTD device and cannot be specified as a gatekeeper when IOSLEVEL is requested

Cause

IOSLEVEL was requested and one of source STDs (SRCSTD) listed in the DEVice_List parameter was specified as a gatekeeper, or a gatekeeper was not specified.

Action

Specify a correct gatekeeper in the command and try again.

BCVI168I

```
+----- Site Options for TF/Mirror -----+  
or  
+-----+
```

Cause

Title and line separator for the Site Options for TF/Mirror report.

For more information on the Site Options for TF/Mirror report, see the *TimeFinder/Mirror for z/OS Product Guide*.

Action

None.

BCVI169I

```
| Command | Parameter | Site options | Current value |
```

Cause

Displays column headers for the Site Options for TF/Mirror report.

For more information on the Site Options for TF/Mirror report, see the *TimeFinder/Mirror for z/OS Product Guide*.

Action

None.

BCVI170I

```
| command_name | parameter_name | site_option_value |  
current_value |
```

Cause

Used to display rows of the Site Options for TF/Mirror report:

- *command_name* - The TF/Mirror or SRDF/AR command used to define the site option.
- *parameter_name* - A TF/Mirror or SRDF/AR command parameter used to define the site option.
- *site_option_value* - The TF/Mirror or SRDF/AR command parameter value set as the site option (either out-of-the-box or customized).
- *current_value* - The actual value applied on the operator command.

For more information on the Site Options for TF/Mirror report, see the *TimeFinder/Mirror for z/OS Product Guide*.

Action

None.

BCVI171I

```
* - Takes effect when corresponding command parameter is issued  
with no sub-parameters
```

Cause

Represents a footnote to the Site Options for TF/Mirror report.

For more information on the Site Options for TF/Mirror report, see the *TimeFinder/Mirror for z/OS Product Guide*.

Action

None.

BCVI172I

```
# - Override allowed only for authorized users
```

Cause

Represents a footnote to the Site Options for TF/Mirror report.

For more information on the Site Options for TF/Mirror report, see the *TimeFinder/Mirror for z/OS Product Guide*.

Action

None.

BCVI176E

```
(seq#) Command rejected - Symm symm-serial, {STD|BCV} xxxxxx is in  
SRDF/Metro group srdfgrp
```

Cause

The BCV (or STD) device on the indicated storage system is involved in processing of the command referenced by the indicated statement number; however, it is in the indicated SRDF/Metro SRDF group, which is prohibited.

Action

Review the TimeFinder/Mirror command input and exclude all devices which are in the SRDF/Metro group.

BCVI177E | BCVI177W

```
(seq#) Duplicate command request specified for BCV xxxxxx
```

Cause

Duplicate ESTABLISH, RE-ESTABLISH, or SPLIT commands are found in the same *seq#*. When MAXRC<4, this message is issued as an error message (BCVI177E). Processing stops with RC=8.

With MAXRC>=4, this message is issued as a warning (BCVI177W). Processing continues but the duplicate request is skipped.

Action

Verify there are no duplicate commands in the same sequence number.

BCVM000E

```
(seq#) CUUP/CUUS are not in the same controller
```

Cause

The devices specified are not on the same storage system.

Action

Specify devices that are on the same storage system. To get a listing of your BCVs use the QUERY action.

BCVM001E

```
(seq#) Device xxxxxx is not a BCV
```

Cause

The device specified is not a BCV.

Action

Use the QUERY command to display your BCVs.

BCVM002E

```
I/O error occurred while retrieving device information
```

Cause

An I/O occurred while retrieving information from the storage system or no BCVs exist on the storage system.

Action

The specified device may be offline, but there must be a path to the device online. Use the z/OS command DISPLAY PATH to view the path status.

BCVM003I

This message lists the following column names:

- BCV CUU
- BCV SYM#
- STD CUU
- STD SYM#
- ITRK-BCV
- ITRK-STD
- STATUS
- ACTION USED
- LAST BCV
- EMUL
- #CYLS
- PROT TYPE
- MIRROR SYNC
- BCV MODE

Cause

Shows column headings for the QUERY command output:

- BCV CUU - The z/OS cuu address if it is available.
- BCV SYM# - The internal Dell EMC device number of the BCV.
- STD CUU - The OS/390 or z/OS cuu address if it is available. This field is not displayed if the BCV is in HOLD status, or was never attached.
- STD SYM# - The internal EMC device number for the standard device. This field is not displayed if the BCV is in HOLD status, or was never attached.
- ITRK-BCV - The number of tracks to be refreshed on the BCV device after an ESTABLISH or RE-ESTABLISH command has been issued. With Mainframe Enablers 8.2 and later, if the count is larger than 99999, the value is divided by 1024, rounded to the nearest thousand and appended with 'K'; for example: 1182K.
- ITRK-STD - The number of tracks to be refreshed on the standard device after a RESTORE has been issued. With Mainframe Enablers 8.2 and later, if the count is larger than 99999, the value is divided by 1024, rounded to the nearest thousand and appended with 'K'; for example: 1182K.

- **STATUS** - The status of the BCV, the following are valid:
 - **AVAIL** - BCV is available.
 - **AVAILB** - BCV is available, last command did not complete (**SPLIT** with force used).
 - **INUSE** - BCV is attached to a standard device.
 - **INUSX** - BCV is attached and the copy process is in progress.
 - **HOLD-S** - BCV is the hold source of a SNAP.
 - **HOLD-T** - BCV is the hold target of a SNAP.
 - **HOLD-U** - User hold. The user issued a **CONFIG HOLD** against the device. Use the **CONFIG RELEASE** command to change this state.
 - **HOLDNR** - BCV is held and Not Ready.
 - **NR** - BCV is Not Ready to the host.
 - **TERM** - BCV is processing a **SPLIT** action.
 - **UNBND** - BCV is unbound THIN device. The description of **CONFIG** and its parameters in the *TimeFinder/Mirror for z/OS Product Guide* provides more information about these statuses.
- **ACTION USED** - The command used to pair the BCV and standard device:
 - **RSTR** - **RESTORE** command used.
 - **EST** - **ESTABLISH** or **RE-ESTABLISH** command used.
- **LAST BCV** - The PowerMax or VMAX device number of the BCV device that was last paired with the standard device
- **EMUL** - The emulation type of the BCV, for example: 3380 =3380 device emulation, 3390 =3390 device emulation. Suffix 'T' denotes that the device is THIN. Suffix 'G' denotes that the device is operating in Geometry Compatible Mode (GCM).
- **#CYLS** - The number of cylinders on the BCV device. With Mainframe Enablers 8.2 and later, if the count is larger than 99999, the value is divided by 1024, rounded to the nearest thousand and appended with 'K'; for example: 1182K.
- **PROT TYPE** - The BCV protection type:
 - **R1** - BCV is a R1 device when it has the status of **AVAIL**, **AVAILB**, **HOLD** or **NR**.
 - **MIRR** - BCV has at least one local mirror.
 - **None** - BCV is not mirrored.
 - **THIN** - BCV is a thin device.
- **MIRROR SYNC** - This field is only valid if the BCV status is not **INUSE** and the BCV is mirrored:
 - **YES** - BCV mirror is synchronized to the BCV.
 - **xxxxxxx** - Number of tracks on the BCV mirror that are not synchronized to the BCV.
- **BCV MODE** - The mode of the BCV. The values in this column can be:
 - **RD5** - The BCV is a RAID 5 protected device
 - **RD5/CLONE** - The BCV is a RAID 5 protected device processing in clone emulation
 - **RD6** - The BCV is a RAID 6 protected device
 - **RD6/CLONE** - The BCV is a RAID 6 protected device processing in clone

emulation

- R10 - The BCV is a RAID 10 protected device
- R10/CLONE - A RAID 10 pair processing in clone emulation
- CLONE - The BCV is a non-RAID 5 or RAID 6 protected device operating in clone emulation mode
- (blank) The device is a non-RAID 5 or RAID 6 protected device not operating in clone emulation mode.

If a larger BCV is established to a smaller STD, the value displayed in the BCV MODE column is followed by B>, for example: RD5/CLONE B>.

Action

None.

BCVM004I

```
message-text
```

Cause

This message shows the command that is going to be executed.

Action

None.

BCVM005E

```
ESTABLISH rejected, reason
```

Cause

The ESTABLISH command was rejected for the indicated reason.

Action

Correct the problem and re-issue the command.

BCVM006E

```
ESTABLISH failed on BCV {symdv#|ccuu}, reason code yy
```

Cause

The ESTABLISH command failed. If the EQCAxxxE message identifier in the BCVM114I message is not generated, see the return codes in the *TimeFinder/Mirror for z/OS Product Guide*. If this was a remote request, the CUU on the source storage system is shown. See the previous message to identify the failing BCV.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVM007I

```
Invalid tracks on xxxxxx xxxxxxxx/yyyyyyyyy
```

Cause

Specifies the number of invalid tracks during synchronization processing. This message will only appear when DEBUG is specified.

Action

None.

BCVM008E | BCVM008W

```
SPLIT rejected, SPLIT rejected, BCV xxxxxx is not in use
```

Cause

The split of the BCV specified has been rejected.

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the SETMAX argument.

Action

Use QUERY to display the BCVs and their status.

BCVM009E

```
SPLIT failed on BCV xxxxxx, reason code yy
```

Cause

The SPLIT command failed. If the EQCAxxxE message identifier in the BCVM114I message is not generated, see the return codes in “TimeFinder/Mirror reason codes” in the *TimeFinder/Mirror for z/OS Product Guide*.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVM010E

```
RE-ESTABLISH rejected, BCV xxxxxx is in use
```

Cause

The BCV specified is already in use.

Action

Use QUERY to display your BCVs and their status.

BCVM011E

```
RE-ESTABLISH failed on BCV xxxxxx, reason code yy
```

Cause

The RE-ESTABLISH command failed. If the EQCAxxxE message identifier in the BCVM114I message isn't generated, see the return codes in the *TimeFinder/Mirror for z/OS Product Guide*.

Action

Correct the problem and re-issue the action. If the command specified is correct or the code is not listed, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

BCVM012E

```
RESTORE rejected, reason
```

Cause

The RESTORE command was rejected for the indicated reason.

Action

Correct the problem and re-issue the command.

BCVM013E

```
RESTORE failed on BCV xxxxxx, reason code yy
```

Cause

The RESTORE command failed. If the EQCAxxxE message identifier in the BCVM114I message is not generated, see the return codes in “TimeFinder/Mirror reason codes” in the *TimeFinder/Mirror for z/OS Product Guide*.

Action

Correct the problem and re-issue the action. If the command specified is correct or the code is not listed, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

BCVM016E

```
User exit xxxxxxxx not found
```

Cause

The USEREXIT command specified a load module that could not be found.

Action

Specify a valid load module.

BCVM017I

```
User exit return code xxxxxxxx
```

Cause

The return code from the USEREXIT routine.

Action

None.

BCVM018E

```
Wait time exceeded, BCV xxxxxx
```

Cause

While waiting for the completion of an event, the internal wait timer expired.

Action

Use the QUERY command to view the status of the BCV. If it is not in the desired state, review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVM019E

```
Standard device xxxxxx must be OFFLINE
```

Cause

On a full restore operation the standard device was online to z/OS.

Action

Vary the standard device offline before trying the restore again.

BCVM020E

```
BCV xxxxxx FORCE not allowed for INSTANT-SPLIT
```

Cause

A SPLIT request was specified with the both INSTANT(Y) and FORCE parameters.

Action

Remove either parameter and submit the SPLIT request again.

BCVM021E

```
BCV xxxxxx ENQ failed, in use by another JOB
```

Cause

The BCV specified is being processed by TimeFinder/Mirror on this or another system.

Action

Wait until the BCV is available or use another BCV.

BCVM022E

```
No BCVS on controller
```

Cause

A QUERY command was issued against a storage system with no defined BCVs.

Action

Define some BCVs and re-issue the action.

BCVM023E | BCVM023W

```
BCV xxxxxx had invalid tracks on a SPLIT
```

Cause

A SPLIT command was issued against a BCV although the BCV has invalid tracks from a previous ESTABLISH or RE-ESTABLISH command. The command completed because FORCE was specified.

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the SETMAX argument.

Action

Any track that was not copied because of the SPLIT will receive a data check until it is formatted.

BCVM024E

```
SPLIT rejected, BCV xxxxxx is TERMINATING
```

Cause

During a SPLIT command the BCV device was found in a terminating state.

Action

None.

BCVM025E

```
BCV xxxxxx exceeded wait time on TERMINATE
```

Cause

During a SPLIT command the pair did not separate in the allotted time.

Action

Issue a QUERY command to see if the pair split, if not contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

BCVM026E

```
BCV dev# must not be ONLINE for ACTION
```

Cause

An ESTABLISH or RE-ESTABLISH command has been requested although the BCV is online. If this was a remote request then the specified device is the device on which the I/O was issued. Message BCVM043 specifies the PowerMax or VMAX device that is online in the remote storage system.

dev# is CUU when ESTABLISH or RE-ESTABLISH is requested by CUU. But when LCL or RMT syntax is used, *dev#* is the PowerMax or VMAX device number.

Action

The BCV must be offline to all connected systems for the requested action.

BCVM027E

```
BCV xxxxxx last ESTABLISH was incomplete
```

Cause

A RESTORE command was issued against a BCV although the last ESTABLISH to the BCV did not complete. RESTORE terminated.

Action

There must be a successful ESTABLISH to the BCV before the RESTORE command can be used.

BCVM028E

```
BCV xxxxxx Had INVALID tracks on a SPLIT
```

Cause

A SPLIT command was issued against a BCV although the BCV has invalid tracks from a previous ESTABLISH or RE-ESTABLISH action. The command is terminated.

Action

None.

BCVM029E | BCVM029W

```
CLIP failed on BCV xxxxxx , reason code xx
```

Cause

The CLIP (Change Label In Place) function failed on the BCV device for the reason returned in the reason code.

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the TimeFinder/Mirror for z/OS Product Guide

provides more information and describes the relationship between MAXRC and the SETMAX argument.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVM030I

```
CLIP VOLID(volser) complete on BCV dv#
```

Cause

The VOLID option specified on the split has been completed. *xxxxxx* is the specified BCV device and *vvvvv* is the new *volser* for the BCV after the split.

Action

None.

BCVM031R

```
FULL RESTORE DEVICE xxxxxx, REPLY Y TO RESTORE OR N TO FAIL
```

Cause

A full RESTORE command has been requested.

Action

The operator must confirm the request.

BCVM032E

```
Operator failed RESTORE of device xxxxxx
```

Cause

The operator failed the full RESTORE request.

Action

Contact the operator.

BCVM033E

```
Device xxxxxx failed VOLID(volser) verification.
```

Cause

A full RESTORE was requested but the supplied *volser* on the VERIFY option does not specify the correct *volser* of the device.

Where *xxxxxx* is the specified standard device and *volser* is the specified *volser*.

Action

Verify that the devices are correctly specified.

BCVM034E

```
I/O failure on device xxxxxx while reading VOLSER, RC xx
```

Cause

A full RESTORE was requested and during the *volser* identification process an I/O error occurred.

The codes are as follows:

- 04 - Device not operational.

- 08 - I/O error.
- 12 - UCB failed validation.

Action

Check that the device specified is correct.

BCVM035R

PARTIAL RESTORE FROM BCV xxxxxx, REPLY Y TO RESTORE OR N TO FAIL

Cause

A partial RESTORE command has been requested.

Action

The operator must confirm the request.

BCVM036E

SRDF message table overflow

Cause

The message table used in the SRDF to TimeFinder/Mirror interface has exceeded its capacity.

Action

None.

BCVM038I

VTOC, IXVTOC, and VVDS updated

Cause

The VOLID extended option was selected on the SPLIT action. For a description of this function, see the SPLIT command description in the *TimeFinder/Mirror for z/OS Product Guide*.

Action

None.

BCVM039I

(seq#) <process input statement>

Cause

The inputs statements are displayed and numbered. The statement number is used in other messages to relate the command back to the input statement.

Action

None.

BCVM040E

No BCV Selection Could Be Made

Cause

A dataset name was specified on a command and no match could be made to a BCV. For a ESTABLISH command, no BCVs may be available, or available in the BCV group specified. For a RE-ESTABLISH command, the original BCV device could not be located or SPLIT was used with the force option.

For a SPLIT action, no BCV device was found that is attached to the primary volume.

For a RESTORE command, the original BCV device could not be located or SPLIT was used with the fore option.

Action

None.

BCVM041E

```
TFGROUP object failed validation, no BCV selected
```

Cause

The objects created for the BCV groups failed validation.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVM042E

```
Primary volume xxxxxx is a BCV
```

Cause

A dataset name was specified and it resides on a BCV volume. The primary volume must be online and the BCV must be offline.

Action

Vary the BCV offline and the primary device online.

BCVM043W

```
SYMDEV symdv# has PATH GROUP xxxxxxxxxxxxxxxxxxxxxxxx
```

Cause

During the online or offline status check process a path group was found to be in single or multiple path mode.

There can be more than one occurrence of this message for a single device, depending on the number of path groups to the device. On mainframe hosts, the path group is identified by a 11 byte string, reading left to right as follows:

- 5 bytes - CPU serial number
- 2 bytes - CPU model type
- 4 bytes - Time of day (STCK format)

An open-systems host may use a different format for the path group ID.

Action

Go to the mainframe or open systems host indicated by the path group and vary the device offline. The system that corresponds to the PATH GROUP value can be verified by comparing PATH GROUP to the value of SERIAL in the OS/390 or z/OS message IEE174I response to the z/OS 'D M=CPU' command.

```
D M=CPU
IEE174I 14.40.17 DISPLAY M 457
PROCESSOR STATUS
ID    CPU    SERIAL
```

```
0    +    0488889672
1    +    0488889672
```

Note: SERIAL contains a 3 byte serial number (048888) and 2 byte model (9672). This error message may also be issued when using Innovation Data Processing's FDR

Instant Backup or FDR/SOS products if TimeFinder/Mirror is not executed on the same LPAR as the Innovation Product. The *TimeFinder/Mirror for z/OS Product Guide* describes online or offline status checking.

BCVM044E

```
RESTORE has been disabled
```

Cause

The system administrator has disabled the RESTORE or INCREMENTAL RESTORE function.

Action

See your system administrator.

BCVM046I

```
Dell EMC TimeFinder Vv.r.m (nn) - SCF Vv.r.m (nn) mm/dd/yyyy ***
```

Cause

Report heading indicating TimeFinder/Mirror and SCF (ResourcePak Base) version and the date. (nn) is the maintenance (PTF) level of the software. If no maintenance has been applied, then the maintenance level will show as (00). mm/dd/yyyy is the month, day, and year when the maintenance was built. If there is no applied maintenance, the date is the build date of the application.

Action

None.

BCVM047I

```
All control statements processed, highest RC x
```

Cause

Highest return code received during processing.

Action

None.

BCVM048E | BCVM048W

```
HOLD failed on BCV xxxxxx, reason code xx
```

Cause

The CONFIG HOLD command failed, see the return codes in the *TimeFinder/Mirror for z/OS Product Guide*.

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the SETMAX argument.

Action

Correct the problem and reissue the action. If the command specified is correct or the code is not listed, search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot locate a solution, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

BCVM049E | BCVM049W

```
RELEASE failed on BCV/STD xxxxxx, reason code xx
```

Cause

The CONFIG RELEASE command failed, see the return codes in the *TimeFinder/Mirror for z/OS Product Guide*.

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the SETMAX argument.

Action

Correct the problem and reissue the action. If the command specified is correct or the code is not listed, search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot find a solution, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

BCVM050E | BCVM050W

```
{BCV|STD} xxxxxx already in HOLD status
```

Cause

CONFIG HOLD command specified to a device that is already held.

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the SETMAX argument.

Action

None.

BCVM051W

```
{BCV|STD} xxxxxx not in HOLD status
```

Cause

CONFIG RELEASE command specified to a device that is not held.

Action

None.

BCVM052E

```
Invalid RA group or LINKS are down on controller symm-serial
```

Cause

RMT was specified, but the RAGRP may be incorrect, if specified, or the SRDF links may be offline.

Action

Use the SRDF Host Component to determine the state of the SRDF links and the SRDF group associated with the device.

BCVM053E

```
General error code xx
```

Cause

A remote request returned a General Error code:

- 86 - Remote request initiated by a non-SRDF R1 device.
- 87 - Remote with no link available.
- 88 - Bad RC - cannot use socket device.
- 8B - Remote on R1 when R2 is not ready.
- 8C - Remote failed.

Action

Correct the problem and reissue the action. If the command specified is correct or the code is not listed, search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If this does not solve the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVM054E

```
SYMAPI-SYM Device failed processing SYMDEV symdv#
```

Cause

A request to the SYMAPI failed while processing the request.

Action

View the Job Log for additional messages related to this failure. These messages may further specify the reason for the failure.

Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If this does not result in a solution, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVM055E | BCVM055W

```
READY failed on BCV xxxxxx, reason code yy
```

Cause

The CONFIG READY command failed.

Reason code 01 indicates the BCV is in use or is currently ready.

Reason code 02 indicates changing a device to READY that already is READY or virtual device READY.

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the SETMAX argument.

Action

Correct the problem and re-issue the action. if the command specified is correct or the code is not listed, search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot find a solution, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

BCVM056E | BCVM056W

```
NR failed on BCV xxxxxx, reason code yy
```

Cause

The CONFIG NR command failed.

Reason code 01 indicates the BCV is in use or is currently not ready.

Reason code 02 indicates changing a device to NR that already is NR or virtual device NR.

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC

parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the SETMAX argument.

Action

Correct the problem and re-issue the action. If the command specified is correct or the code is not listed, search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot find a solution, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

BCVM057E

```
(seq#) SYMDEV is not a BCV
```

Cause

The specified device is not a BCV.

Action

Specify a BCV.

BCVM058E

```
BCV xxxxxx exceeded WAITSYNC time on SPLIT
```

Cause

The timer for the mirror synchronization has expired on a SPLIT command.

Action

Issue a query for the BCV to determine whether the mirrors are synchronized.

BCVM059E

```
BCV xxxxxx WAITSYNC routine exited reason code xx
```

Cause

WAITSYNC was specified on a SPLIT and the routine that calculates the invalid tracks for the BCV mirrors detected an error.

The codes are as follows:

- 01 - Command was not SPLIT.
- 02 - SymDevice call failed.
- 03 - SymDevice object added zero.
- 04 - SymDevice mismatch.
- 05 - BCV mirror sync time exceeded.
- 06 - R1 and R2 are not communicating.

Action

Issue a Query for the BCV to see if the mirrors are synchronized.

Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot find a solution, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

BCVM060I

```
BCV/STD xxxxxx/xxxxxx Ser# symm-serial mirror sync started
```

Cause

WAITSYNC (WTO) was specified on the SPLIT and the BCV mirror synchronization was

begun.

Action

None.

BCVM061I

```
BCV/STD xxxxxx/xxxxxx Ser# symm-serial mirror sync completed
```

Cause

WAITSYNC (WTO) was specified on the SPLIT and the BCV mirror synchronization was completed.

Action

None.

BCVM062I

```
Mirror synchronization started for BCV device xxxxxx
```

Cause

WAITSYNC was specified on the SPLIT and the BCV mirror synchronization was begun.

Action

None.

BCVM063I

```
Mirror synchronization completed for BCV device xxxxxx
```

Cause

WAITSYNC was specified on the SPLIT and the BCV mirror synchronization was completed.

Action

None.

BCVM064E

```
BCV xxxxxx ChkItrkBcv routine exited reason code xx
```

Cause

When validating the environment on a RESTORE request an error was encountered while checking for invalid tracks on the BCV.

The codes are as follows:

- 01 - SymDevice call failed.
- 02 - SymDevice object address zero.
- 03 - SymDevice mismatch.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVM065E | BCVM065W

```
BCV xxxxxx had invalid tracks on at least one mirror; reverse split will not be allowed
```

Cause

On a RESTORE request the mirrors on the BCV were not synchronized. Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the SETMAX argument.

Action

When a SPLIT for the BCV is issued, the BCVREFRESH parameter will not be allowed.

BCVM066E

```
STD SYMDV syndv# for BCV xxxxxx was not last paired to this BCV.
```

Cause

The STD device that was last paired to the BCV has been used in a TimeFinder/Mirror operation with a different BCV.

Action

The ability to do a partial restore or re-establish has been lost.

BCVM067I

```
Mirror synchronization started for BCV SYMDEV syndv# through syndv#
```

Cause

WAITSYNC was specified for the device and synchronization has started.

Action

None.

BCVM068I

```
Mirror synchronization completed for BCV SYMDEV syndv# through syndv#
```

Cause

WAITSYNC was specified for the device and synchronization has completed.

Action

None.

BCVM069I

```
Security Exit allowed the bypassing of the online state check
```

Cause

The SAF security definition allowed READ access to TF#BASE BYPASSONLINECHECK allowing the online state checking to be bypassed.

Action

None.

BCVM070I

```
Security Exit allowed the bypassing of the WTOR on a Full Restore
```

Cause

The SAF security definitions allowed READ access to TF#BASE

FULLRESTOREBYPASSWTOR allowing the WTOR for a full restore to be bypassed.

Action

None.

BCVM071I

```
Security Exit allowed the bypassing of the WTOR on a Partial Restore
```

Cause

The SAF security definitions allowed READ access to TF#BASE PARTIALRESTOREBYPASSWTOR allowing the WTOR for a partial restore to be bypassed.

Action

None.

BCVM072E

```
Internal sort error
```

Cause

An internal error was encountered while processing the QUERY with EXTENDED(Y).

Action

Re-submit the job with DEBUG specified on the GLOBAL statement. Save the output and contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVM073I

```
message_text
```

Cause

Specifies the heading for a QUERY with EXTENDED(Y) option. The field descriptions are as follows:

- SYMDV#-BCV - Specifies the internal EMC device number of the BCV. The suffix on the BCV device number is:
 - -r if an RMT query.
 - -l if an LCL query.
- SYMDV#-STD - Specifies the internal EMC device number for the STD.
- LAST-BCV - Specifies the most recent of multi-BCV for the STD.
- TIME-FROM-SPLIT - Shows the time in *ddd.hh:mm:ss* since this BCV was split from the standard device.
- BCV-CN - Specifies the configuration of the BCV:
 - R1 - BCV is an R1 device.
 - R2 - BCV is an R2 device.
 - MIRR - BCV has more than one local mirror. There is more than one physical copy of the data.
 - NONE - BCV is not mirrored. There is only one physical copy of data.
 - NONE-M - The device is a meta (RAID) device. BCV is not mirrored. There is only one physical copy of data.
 - NONE-6 - The device is a meta, RAID-6 device.

- R1-5 -
- BCV-CNFG suffix -
 - -M - Striped meta.
 - -5 - RAID-5
 - -6 - RAID-6
 - -C - Clone
 - -T - THIN
- BCV-STATE - Specifies the status of the BCV:
 - ATTACH - BCV is attached.
 - ATT (2) - Both BCV mirrors attached.
 - CPYFMM - BCV is synchronizing FROM the Moving Mirror (it is synchronizing to its mirror after a normal split).
 - CPYTMM - BCV is synchronizing TO the Moving Mirror (it is being refreshed from its mirror after a reverse split).
 - HOLD-S - BCV is the hold source of a SNAP.
 - HOLD-T - BCV is the hold target of a SNAP.
 - HOLD-U - User hold. The user issued a CONFIG HOLD against the device.
 - HOLDNR - Hold not ready.
 - NR - Not ready.
 - SYNC - BCV is synchronized with standard device.
- STD-STATE - Specifies the status of the standard device:
 - AVAIL - Standard device is available for an establish.
 - NAVAIL - Standard device is not available.
 - HOLD-T - FSMM hold.
 - HOLD-U - User hold. The user issued a CONFIG HOLD against the device.
- PAIR-STATE - Specifies the status of this BCV - standard pair:
 - AVAIL - Valid ready mirror.
 - AVAILB - Split before synchronization on BCV. (SPLIT with force used)
 - INUSE - Pair is synchronized.
 - INUSEX - Pair is in process of synchronizing.
 - SPLITB - Background SPLIT is in progress, SPLIT with INSTANT(Y) (must complete before another operation can be done with this BCV or standard).
 - SPLITO - Traditional SPLIT is in progress, SPLIT with INSTANT(N) or default. Indicates a transient state of an Instant Split.
- LAST-ACTION - Specifies the command used to pair this BCV and standard device:
 - EST - ESTABLISH or RE-ESTABLISH command used.
 - RSTR - RESTORE command used.
 - PRSTR - Protected RESTORE.
- TRACK-COUNT1 - Specifies the number of tracks remaining to be synchronized:
 - From a standard to a BCV, when the BCV is paired with a standard device.
 - From a BCV to its mirror after a normal split.
 - To the BCV from its mirror after a reverse split.

- From a BCV to a standard when the BCV is paired with a standard device during a restore operation.
- `TRACK-COUNT2` - Specifies the number of tracks that must be synchronized in the next incremental operation.
- `TRACK-COUNT3` - Specifies the percent of tracks split for background (instant) split.

There are some differences in running BCV QUERY reports that include both regular mode BCVs and BCVs that are part of a clone emulation session. and BCV QUERY reports that only cover the same Clone-emulation BCVs. In BCV QUERY reports covering both regular mode and clone emulation mode BCVs, the clone emulation BCVs show HOLD relationship. In BCV QUERY reports covering only the clone emulation mode BCVs, the clone emulation BCVs show as Snap targets. This is because the HOLD attribute is suppressed on the BCV QUERY report for BCVs with a clone emulation session to provide compatibility for clone emulation. Because a HOLD is implicitly set on the BCV as a result of a clone emulation ESTABLISH, that HOLD needs to be ignored for subsequent TimeFinder/Mirror operations. Otherwise, a RE-ESTABLISH or another ESTABLISH would be denied.

Action

None.

BCVM075W

```
(seq#) Request rejected, BCV xxxxxx is in use
```

Cause

The BCV is currently established with a standard device.

Action

The BCV must be in AVAIL status to delete it's incremental session. Split the BCV and re-submit the CONFIG DELINC request.

BCVM076W

```
(seq#) BCV xxxxxx not eligible for incremental operation
```

Cause

The BCV does not have an incremental session. This would occur if the BCV was established and split with a prior version of TimeFinder.

Action

Select a BCV that has an incremental session and re-submit the CONFIG DELINC request. Run a QUERY and a QUERY with EXTENDED(Y) to verify BCV status. Save the output and contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

BCVM077E | BCVM077W

```
(seq#) DELINC failed on BCV xxxxxx, reason code xx, Extended rc  
xxxxxxxx
```

Cause

A CONFIG with DELINC was requested and an error was encountered when deleting the incremental session for the specified BCV. If the extended reason code is 17XX8104, the following information is available from the third and fourth characters (XX):

- 01 - SDDF facility is not available.
- 04 - Session tag not found (an SDDF session does not exist for the devices).
- 09 - Device number specified does not match the system call device.

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the SETMAX argument.

Action

Refer to TimeFinder/Mirror reason codes in the *TimeFinder/Mirror for z/OS Product Guide*. Contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

BCVM078E

```
SDDF session limit exceeded, request rejected
```

Cause

An ESTABLISH command was issued for an STD that already had 6 BCVs (clone emulation) or 8 BCVs (non-clone emulation). The ESTABLISH request was rejected because GLOBAL MULTBCV(REJ) was previously issued.

Action

None.

BCVM079I

```
SDDF session deleted for BCV xxxxxx
```

Cause

An ESTABLISH, RE-ESTABLISH, RESTORE was requested with the GLOBAL MULTBCV(OLD or NEW) in effect and the maximum number of multiple BCVs for this Standard device has been reached for this STD. Incremental operations (RE-ESTABLISH, Partial RESTORE) are no longer possible for this BCV.

Action

None.

BCVM080I

```
message
```

Cause

Messages issued when in DEBUG mode.

Action

None.

BCVM081E

```
Unable to determine R2 status for device xxxxxx
```

Cause

An error was encountered while obtaining the status of the specified R2 standard device.

Action

Re-submit the job with DEBUG specified on the GLOBAL statement. Save the output and contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVM082E

```
STANDARD device xxxxxx must be R/O
```

Cause

A RESTORE request is being processed and the R2 Standard device is not in R/O (read only) mode.

Action

Set the R2 device to R/O and re-submit the RESTORE request.

BCVM083E | BCVM083W

```
BCV xxxxxx had write pending tracks, a reverse split will not be allowed
```

Cause

A BCV was not fully synchronized with its mirror before the RESTORE command was issued.

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the SETMAX argument.

Action

None.

BCVM084E

```
SYSCALL xxxxxx failed, reason code xx, function
```

Cause

A syscall failed with the indicated reason code.

Action

If the reason code is F2 (I/O error), check the system log for additional information. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot find a solution, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

BCVM085E

```
Query failed, MaxBCVs exceeded
```

Cause

The maximum number of BCVs has been exceeded.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVM086E

```
Failed to determine STD CUU for BCV xxxxxx, STD xxxxxx
```

Cause

TimeFinder/Mirror was unable to determine the STD device associated with the BCV. This can occur when the device numbers do not have a symmetric relationship.

Action

Run again, specifying the STD device number via the STDCUU parameter.

BCVM087E

```
STD device online to another system, Consistent Split failed
```

Cause

For a consistent split, the STD device is online to at least one other LPAR.

Action

If consistency across systems is not desired, the online or offline status check can be bypassed via the BYPassonlinecheck parameter. Otherwise, vary the device offline on each attached system. BCVM043E provides additional information.

BCVM088E | BCVM088W

```
Timeout occurred during Consistent Split processing
```

Cause

The timeout interval has expired during a consistent split. The split will proceed, but consistency will not be provided.

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the SETMAX argument.

Action

Review the timeout value supplied and increase if necessary.

BCVM089E | BCVM089W

```
** A Timeout occurred, Splits are not consistent **
```

Cause

This message is issued at the end of the job whenever consistent split timeout occurs. Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the SETMAX argument.

Action

Review the timeout value supplied and increase it if necessary.

BCVM090E

```
I/O buffer storage exceeded
```

Cause

Internal storage used to contain the I/O buffers has been exceeded.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVM091E

```
Getmain failed for xxxx
```

Cause

A Getmain failed for the indicated storage area.

Action

Increase the Region size and submit the job again.

BCVM092E | BCVM092W

```
IOS Level not set for xxxxxx
```

Cause

The IOS level could not be raised due to the indicated reason. The consistent split is processed but this device may not have consistent data.

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the SETMAX argument.

Action

Verify the SPLIT request was specified with the correct devices.

BCVM093E

```
STD xxxxxx on HOLD status, function not allowed
```

Cause

The STD device is held as the result of SNAP operation. The indicated function cannot be performed.

Action

To allow the function to complete, issue a CONFIG RELEASE command for the STD device.

BCVM094I

```
STD xxxxxx busy at time of split
```

Cause

The IOS level was raised, but the device did not quiesce. The consistent split is processed but this device may not have consistent data.

Action

Verify the SPLIT request was specified with the correct devices. I/O to devices being split is allowed to complete. Very long I/O chains may remain active longer than the split process, and for write chains the data may not be consistent. This should not affect consistency of dependent I/O.

BCVM095E | BCVM095W

```
(seq#) Inconsistent options for Multi Instant Split
```

Cause

Different options were specified among the devices that were split using the multi instant split feature. However, the copy operation does continue in the background.

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the

SETMAX argument.

Action

Review the options specified.

BCVM096E

```
Routine xxxxxxxx failed. RC rc RSNC rsnc [Extended RC/RSNC  
ext_rc/ext_rsnc]
```

Cause

Routine xxxxxxxx failed with return code *rc* and reason code *rsnc*. If extended return and reason codes exist, they will also be displayed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVM097E

```
(seq#) Invalid SRDF/AR request, reason
```

Cause

The SRDF/AR request is invalid for the indicated reason.

Action

Correct the problem and re-issue the request.

BCVM098W

```
reason
```

Cause

This is a warning message issued for several different reasons.

Action

Review the reason and take appropriate action, if required.

BCVM099I

```
Process is process_status, Cycle cccc, Step ssss, mmmm messages  
queued  
CYCLE(hh:mm:ss,count), Cycle_Overflow(overflow_option),  
Timeout(timeout)
```

Cause

Displays the results of a QUERY(STATUS) request:

- *process_status* - The status of the process, ACTIVE or INACTIVE.
- *cccc* - The current or last cycle number.
- *ssss* - The current or last step number.
- *mmmm* - The number of queued messages.
- *hh:mm:ss* - The cycle time in hours, minutes and seconds.
- *count* - The cycle count.
- *overflow_option* - The overflow option, IMMED or NEXT.
- *timeout* - The timeout value.

- *type* - The SRDF/AR HOP_Type.

Action

None.

BCVM100E | BCVM100W

SRDF/AR message buffer overflow, *nnnn* messages lost

Cause

The internal SRDF/AR message buffer for the active process is full. When this occurs, the most recent messages wrap - *nnnn* is the number of messages overwritten. Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the SETMAX argument.

Action

Delete and redefine the process, specifying MAXMSG(*nnnn*) to increase the size of the message buffer.

BCVM101I

Device Query for Symm *symm-serial*, MICRO-CODE level *xxxx*, type *SYMn*

Cause

Issued in response to a QUERY(DEV) request:

- *symm-serial* - The storage system serial number.
- *xxxx* - The operating environment level.
- *SYMn* - The model type.

Action

None.

BCVM102I

STD BCVR1 R2 BCV RAG

Cause

Specifies the heading for a QUERY(DEV) request:

- *STD* - Specifies the source STD OS/390 or z/OS cuu address.
- *BCVR1* - Specifies the R1 BCV OS/390 or z/OS cuu address.
- *R2* - Specifies the internal Dell EMC device number of the target R2 device.
- *BCV* - Specifies the internal Dell EMC device number of the target BCV device.
- *RAG* - Specifies the SRDF group configured for the R1 and R2 devices.

Action

None.

BCVM103E

STD *xxxxxx* is a SymmPAV device, Consistent Split not allowed.

Cause

The standard device is a SymmPAV device. Consistent splits are not allowed for PAV

devices.

Action

Reconfigure the STD device so it is not a SymmPAV device or use another device instead.

BCVM104I

```
Security Exit allowed the NOVERIFY option on a Full Restore
```

Cause

The security exit in use has allowed the current user to bypass external verification of the device numbers on the Full Restore command.

Action

None.

BCVM105E

```
{BCV|STD} xxxxxx is a CKD striped meta device, function rejected
```

Cause

A CKD striped meta device cannot be paired with a non-striped device. or STD), xxxxxx represents the device number.

Action

Specify like devices on the operation.

BCVM106E

```
BCV xxxxxx was attached via a Protected Restore, PROT(Y) required
```

Cause

The indicated BCV was attached by a Protected Restore operation.

Action

Specify PROT(Y) to split the volume.

BCVM107E

```
BCV xxxxxx is not locally mirrored, Protected BCV Establish rejected
```

Cause

A Protected BCV ESTABLISH is not allowed for BCVs that are not locally mirrored.

Action

Specify a locally mirrored BCV on the ESTABLISH command. Locally mirrored BCVs are indicated by MIRR in the PROT TYPE column on the output of a QUERY command.

BCVM108E

```
BCV xxxxxx LOCK function failed, RC xxxx, RSNC xxxxxxxx
```

Cause

The Device External Lock function failed with the indicated return and reason codes. *function* can be:

- FREE
- OBTAIN
- QUERY

Note: TimeFinder/Mirror retries SRDF link failures for return codes 87, 8C, and 9C.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVM109E

```
BCV xxxxxx is locked, LOCKID xxxxxxxx, Duration xxxx
```

Cause

The indicated BCV is already locked. The Lock ID and the duration of the lock (in seconds) are displayed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVM110E | BCVM110W

```
BCV xxxxxx lock has expired, LOCKID xxxxxxxx, Duration
```

Cause

A Device External Lock on the indicated BCV has expired. TimeFinder/Mirror has successfully released the lock and acquired a new lock.

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the SETMAX argument.

Action

None.

BCVM111E

```
STD xxxxxx RESERVE failed, RC xx
```

Cause

For a multisystem consistent split, the RESERVE macro failed with the indicated return code.

Action

Check each attached system for a reserve. Contact your systems programmer for assistance.

BCVM112E

```
STD xxxxxx RESERVE I/O failed, RC xxxx, ECB xxxxxxxx
```

Cause

For a multisystem consistent split, the reserve I/O failed with the indicated return codes.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVM113E

```
STD xxxxxx RESERVE could not be obtained
```

Cause

For a multisystem consistent split, the reserve could not be obtained due to an I/O timeout. The probable cause is a long-term reserve on the device from another system.

Action

Check each attached system for a reserve. Contact your systems programmer for assistance.

BCVM114E

```
BCV xxxxxx RESTORE rejected - reason
```

Cause

A RESTORE is not allowed for the indicated *reason*.

Action

If the reason was for another operation in-progress, resubmit the job after the previous function has completed processing.

For a rejection due to an existing relationship with a different STD device, the relationship must be removed to allow the Restore (this can be accomplished via a CONFIG DELINC command). This error applies to Clone Emulation only.

BCVM115E

```
API call failed, EMCSCF is not active
```

Cause

An API request could not be serviced because the EMCSCF address space is not active.

Action

Start EMCSCF and submit the job again.

BCVM116E

```
STD xxxxxx Data Migration is active, Symm symm-serial, Invalid  
Track Count xxxxxxxx
```

Cause

The operation was rejected because Data Migration is active on the STD device.

Action

Review the command to make sure the correct devices were specified.

BCVM117E

```
BCV xxxxxx had Write Pending tracks, a Protected Restore is not  
allowed
```

Cause

A Protected RESTORE is not allowed when the BCV has write pending tracks.

Action

Submit the job again. If the problem persists, review the Job LOG and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVM118E

```
BCV xxxxxx function rejected - reason
```

Cause

The following causes are possible:

- An ESTABLISH or RE-ESTABLISH command failed due to a Concurrent BCV restriction:
 - An ESTABLISH (or RE-ESTABLISH) command is not allowed if the first pair was attached through a Protected Restore.
 - Protected BCV ESTABLISH is not allowed if the first pair was attached using Protected BCV ESTABLISH.
 - A multi-instant split for both BCVs established to a STD (Concurrent BCV).
 - A multi-instant split of a device established with Protected BCV ESTABLISH.
- ESTABLISH is not allowed during a background SPLIT.

Action

Choose either depending on the cause:

- To allow the Concurrent BCV operation to proceed, the first pair must be split and then attached without the restricted option.
- Use QUERY to display your BCVs and their status.

BCVM119E

```
ECA Window function failed, RC xx, RSNC xxxx, CUU ccuu, Symm symm-serial
```

Cause

When the Engenuity Consistency Assist option is in effect - SYSTEM(GLOBAL), the function failed with the indicated return and reason codes.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVM120E

```
BCV xxxxxx is a Fast Mirror volume
```

Cause

The BCV is an active Fast Mirror volume and cannot be altered by TimeFinder.

Action

Use a different BCV or remove the BCV from Fast Mirror.

BCVM121E

```
Invalid parameter starting at offset aaaa
```

Cause

The JCL PARM field contains an invalid parameter starting at the indicated offset.

Action

Correct the parameter and submit the job again.

BCVM122I

```
Automatic Release issued for device xxxxxx, Symm symm-serial
```

Cause

When AUTOREL(Y) is specified, TimeFinder/Mirror attempts to issue a “release” for each “held” device. This message is issued for each BCV that was released.

Action

None.

BCVM123I

```
Existing device relationship - request changed to Re-establish
```

Cause

The ESTABLISH request was changed to a RE-ESTABLISH as a result of a prior BCV-STD relationship with the same devices and the specification of FASTESTABLISH(Y).

Action

None.

BCVM124I

```
No existing device relationship - Establish STD xxxxxx to BCV  
xxxxxx
```

Cause

A RE-ESTABLISH request was changed to an ESTABLISH because a prior BCV-STD relationship did not exist and CONVERTFULLESTABLISH(Y) was specified.

Action

None.

BCVM125E

```
Symm symm-serial not found for ECA Clear, through gk
```

Cause

An error occurred during the ECA clear function (after a consistent split). The indicated storage system was not located using the indicated gatekeeper.

Action

Investigate the cause of the error. Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVM126E | BCVM126W

```
(seq#) STD xxxxxx is a Virtual Device
```

Cause

Active TimeFinder/Mirror operations are not permitted on virtual devices. Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the

SETMAX argument.

Action

Change the command to remove all references to virtual devices.

BCVM127E | BCVM127W

```
SRDFA active for RA Group srdfgrp during Consistent Split
```

Cause

An error occurred on the SRDF/A Suspend operation - SRDF/A cannot be active during a remote consistent split.

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the SETMAX argument.

Action

Investigate the status of the SRDF/A failure - message BCVM134E | BCVM134W will precede this message showing the return codes from the Suspend operation.

BCVM128W

```
*** SRDFA is inactive. Consistency cannot be assured. ***
```

Cause

One or more SRDF/A Suspend errors occurred. If SRDF/A is active during a remote Consistent SPLIT, the target BCVs might not contain “consistent” restartable data.

Action

Investigate the status of the SRDF/A failure. You can find more information in messages BCVM127E | BCVM127W and BCVM134E | BCVM134W.

BCVM129E

```
No BCVs for request
```

Cause

No BCVs exist within the range of BCVs specified on the QUERY command. If the gatekeeper device is a higher symdv# than the BCVs in the system then no BCVs will be found unless you code the ALL parameter in the QUERY command. Allowing it to default it will only list BCVs that have a symdv# higher than the gatekeeper.

Action

Correct the BCV devices on the QUERY command.

BCVM130W

```
API call failed on device xxxxxx, RC xx, Retry issued
```

Cause

A retry was issued for an API error.

Action

If the retry was not successful, refer to message BCVM131E.

BCVM131E

```
API call failed on device xxxxxx, RC xx, Retry count exceeded,
```

Reply `RETRY` or `CANCEL`

Cause

All retries for the API call error have failed.

Action

Investigate the cause of the error. Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVM132E

Address translation exception, `aaaaaaaa`

Cause

The SRDF/AR control blocks could not be dumped due to an addressing error.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVM133I

SRDF/A operation successful for RA Group `srdfgrp`, CUU `ccuu`, SYMM `symm-serial`

Cause

The SRDF/A suspend or resume operation was successful.

Action

None.

BCVM134E | BCVM134W

SRDF/A operation failed, RC `xx`, RA `xx`, CUU `ccuu`, SYMM `symm-serial`

Cause

The SRDF/A suspend or resume operation failed.

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the SETMAX argument.

Action

Investigate the cause of the error.

BCVM135E

SRDF/A Table capacity exceeded

Cause

The capacity of an internal table has been exceeded.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all

relevant job documentation available.

BCVM136I

```
{RAG BUNKER S/N MCL} RAG TARGET S/N MCL
```

Cause

Specifies a subheading for a SRDF/AR QUERY(DEV) report.

Action

Displays the SRDF group(s), storage system serial number and operating environment level of each remote storage system in a SRDF/AR configuration. For a SRDF/AR single-hop configuration, only the target fields are displayed.

BCVM137E

```
nnnnnnnnnnnnnnnnnnnnnnnnnnnnnn failed, RC xx/xxxx/xxxx/xxxx, CUU  
xxxxxx/nnnnnnnn-nnnnnn
```

Cause

An API call failed.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVM138E | BCVM138W

```
BCV xxxxxx is TF/Clone, function not supported
```

Cause

BCVRefresh and Protected BCV Establish are mirror based options which are not supported for clone emulation mode. The option is ignored. Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the SETMAX argument.

Action

None.

BCVM139I

```
BCV xxxxxx is TF/Clone, Restore is PROTECTED
```

Cause

All RESTORE operations in clone emulation mode are protected. See the description of PROTRSTR on the RESTORE command in the *TimeFinder/Mirror for z/OS Product Guide*.

.

Action

None.

BCVM140I

```
Command processed via TF/Clone emulation
```

Cause

The preceding TimeFinder/Mirror command was processed using TimeFinder/Clone Mainframe SNAP Facility, either by request (the specification of the CLONE(Y) parameter) or automatically for a RAID 5 or RAID 6 BCV.

Action

None.

BCVM141E

```
Multi-attach failed - reason
```

Cause

A multi-attach operation failed for the indicated reason. If the reason is specified by reason code and code is 2B, the error is the result of an incorrect status on a BCV Query resulting in an attempt to RE-ESTABLISH multiple BCVs to STD device 000000. TimeFinder/Mirror recognizes this situation and issues message BCVM143E.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVM142E

```
TF/Clone emulation not supported. Incorrect LFC or SNAP version
```

Cause

A operation requiring clone emulation was detected, but one of the following situations applies:

- The Engenuity patch 26469 has not been applied.
- The host has an incorrect License Feature Code (LFC) for TimeFinder/Clone or no License Feature Code for TimeFinder/Clone. TimeFinder/Clone is not enabled.
- The host is running a version of TimeFinder/Clone that does not support the clone emulation operation.

Action

Take the appropriate action:

- Install patch 26469 on all storage systems where Clone emulation is required.
- Install the correct License Feature Code for TimeFinder/Clone (and -- if required -- the License Feature Code for TimeFinder/Consistency Group).
- Install a version of TimeFinder/Clone Mainframe SNAP Facility that does support the clone emulation operation. The version of TimeFinder/Clone Mainframe SNAP Facility you use should match the version of TimeFinder/Mirror you are using.

BCVM143E

```
BCV xxxxxx, no existing relationship and STD device cannot be determined
```

Cause

A ConvertFullEstablish cannot be honored because the BCV does not have a relationship with a STD device.

Action

Change the command to an ESTABLISH and specify the STD device.

BCVM144I

Refer to EQCAnnE Joblog message

Cause

When TimeFinder/Mirror ESTABLISH, SPLIT, RE-ESTABLISH, and RESTORE commands are invoked on RAID 5 or RAID 6 BCVs, the TimeFinder/Clone Mainframe SNAP Facility API handles the requested operation, the success of which is confirmed by the BCVM140I message.

Whenever an error occurs during the TimeFinder/Clone Mainframe SNAP Facility operation, one of the usual BCVM006E, BCVM009E, BCVM011E, or BCVM013E error messages is generated, followed by message BCVM144I.

The reason codes in BCVM006E, BCVM009E, BCVM011E, or BCVM013E are all hexadecimal versions of a TimeFinder/Clone Mainframe SNAP Facility EQCA message. For example, reason code 74 results in an EQCA116E message. BCVM144I refers directly to the EQCA message. For example, if the reason code returned by a BCVM011E is 78, then the following BCVM144I message will be:

Refer to EQCA120E Joblog message.

Action

Consult the description of the EQCA message number returned by BCVM144I.

BCVM145E

OPEN failed for DDname TFDEBUG

Cause

The file defined by the TFDEBUG DD statement could not be opened.

This message can also be displayed as BCVM145W. In such a case, the cause and action are the same.

Action

Correct the TFDEBUG specification and resubmit the job.

BCVM146E

Call denied- BCV in HOLD status

Cause

The command is denied because the BCV was found to be in HOLD status, as the result of a CONFIG HOLD command.

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the TimeFinder/Mirror for z/OS Product Guide provides more information and describes the relationship between MAXRC and the SETMAX argument.

Action

If you are certain that the BCV can be reused, issue a CONFIG RELEASE command to release the BCV from HOLD status. The description of the CONFIG command in the TimeFinder/Mirror for z/OS Product Guide provides more information.

BCVM147W

The following devices are online for Seq# seq#

Cause

The displayed devices are online when the Bypass Online Check option is specified. For

ESTABLISH, RE-ESTABLISH or incremental RESTORE, the devices are BCVs. For a full RESTORE, both the BCV and STD devices are tested.

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the SETMAX argument.

Action

Verify that this is the desired state for these devices. If a BCV is online, it could be inadvertently updated after the completion of a SPLIT command. A RESTORE to an online STD could also be a concern.

BCVM148E | BCVM148W

```
BCV xxxxxx, Reverse Split not allowed - reason
```

Cause

A reverse split was requested; BCVR(Y), but the BCV is not mirrored locally or the fixed BCV mirror was not synchronized with the moving mirror before the ESTABLISH. This is a Warning (W) or Error (E) depending on the setting of MAXRC.

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the SETMAX argument.

Action

To affect a reverse split, ensure that the BCV is mirrored locally or that the BCV mirrors are synchronized before the ESTABLISH operation.

BCVM149I | BCVM149W

```
SRDF Tolerance Mode enabled, RA srdfgrp, CUU ccuu, SYMM symm-serial
```

Cause

SRDF/A tolerance mode is enabled for the SRDF group.

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an I (information) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the SETMAX argument.

Action

Verify that this is the desired state.

BCVM150E | BCVM150W

```
BCV xxxxxx function failed, reason code nn
```

Cause

A SUSPEND or RESUME failed for the indicated R1-BCV.

On Engenuity 5772, the software manages the state of the SRDF link for R1-BCV devices. For an attach request (on ESTABLISH or RESTORE), the R1-BCV is suspended. For a SPLIT request, the R1-BCV is resumed.

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC parameter of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the

SETMAX argument.

Action

You can issue SRDF Host Component commands to check the state of the SRDF link and invalid tracks count owed for the indicated R1-BCV between R1 and R2 sides.

BCVM151E

```
TF/Clone session registration failed
```

Cause

A TimeFinder/Clone emulation ESTABLISH or RESTORE request could not be processed due to an insufficient number of available sessions on the source (STD) device. Clone emulation required two sessions (Clone and SDDF), therefore, no more than 14 sessions can be active on the source device.

Action

Issue a TimeFinder/Clone Mainframe SNAP Facility VOLUME QUERY command to display the sessions. You can issue a TimeFinder/Clone Mainframe SNAP Facility CLEANUP command to remove any unwanted sessions on the source device.

BCVM152E

```
STD xxxxxx {Dynamic|Total} mirror limit exceeded
```

Cause

A command was issued that would cause either the total or dynamic mirror limit to be exceeded for the device.

Action

Restructure your actions so that you do not exceed the mirror limit. The total mirror limit is four (4); the dynamic mirror limit is two or three depending on the storage system.

BCVM153E

```
Device xxxxxx: FBA Meta Group {Incomplete|not Offline}
```

Cause

The device is part of an FBA meta group. If the message says incomplete, not all the members of the group are referenced in the sequence level with equivalent commands. If the message says not Offline, at least one member of the group is online to some host.

Action

Either include all members of the group in equivalent commands at the same sequence level or put the devices offline to all hosts (depending on which text is shown).

BCVM154I

```
(seq#) Assigned to subtask nnnnn
```

Cause

Subtask number *nnnn* has been assigned to the current user. This function is used only by the Parallel feature.

Action

None.

BCVM155E

```
{STD|BCV} is a Thin Provisioning Device - command rejected
```

Cause

The device is a virtual provisioning device and is not supported by TimeFinder/Mirror.

Action

Do not use virtual provisioning devices with TimeFinder/Mirror.

BCVM156E

```
Restore not allowed to R21 device
```

Cause

The device is an R21 (Cascaded SRDF) device. RESTORE is not allowed to such a device.

Action

Do not perform RESTORE operations with R21 devices.

BCVM157W

```
Consistent Split includes multiple SRDF/A groups without MSC,  
consistency cannot be assured
```

Cause

MSC is inactive, and multiple SRDF/A groups are involved in a Consistent Split.

Action

Determine the reason MSC is inactive, before attempting another Consistent Split.

BCVM158E

```
TimeFinder version must match API version
```

Cause

TimeFinder/Mirror module EMCTF detected that the current version of EMCSCF did not match the EMCTF version number.

Action

Ensure that the version of EMCSCF that is currently in use is correct. If so, try to determine why a different version of TimeFinder/Mirror was executing. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVM159E

```
LFC license failed, RC xx, RSN xx, Symm symm-serial
```

Cause

TimeFinder/Mirror has called for authorization of the TimeFinder/Clone Feature on a storage system and has received a non-zero return code, indicating that the TimeFinder/Clone is not installed and enabled.

Action

Ensure that the TimeFinder/Clone is installed and enabled on the storage system whose serial number is in the message.

BCVM160E

```
STD is a Diskless Device - command rejected
```

Cause

A diskless device was specified as an STD in a TimeFinder/Mirror command. (Diskless devices will always be STD devices.)

Action

Specify a non-diskless device in the command.

BCVM161E

```
WAIT must be specified on SPLIT with VOLID
```

Cause

The NOWAIT parameter is in effect on a SPLIT which also has the VOLID parameter.

Action

Specify WAIT on the SPLIT command, or use Clone Emulation, which allows the NOWAIT parameter.

BCVM162E

```
Clone Emulation Establish failed - BCV xxxxxx STD xxxxxx
```

Cause

An internal Clone Emulation error occurred during the Establish command.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

BCVM163E

```
Unable to determine device data for Symm nnnnnnn-nnnnn
```

Cause

An error occurred while retrieving information from the specified storage system during a SYMDEV API call.

Action

The specified storage system may be offline, or there may not be a remote path to the storage system from the local storage system on a remote command. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVM164I

```
Terminate Incomplete Clone Sessions on STD xxxxxx
```

Cause

A STD device was specified on a CONFIG DELINC command, indicating a request to terminate any incomplete clone sessions that are attached to that STD device.

Action

None.

BCVM165W

```
No Incomplete Clone Sessions Found on STD xxxxxx
```

Cause

A CONFIG DELINC specified a STD device that was found to have no incomplete Clone Emulation sessions.

Action

None.

BCVM166E

```
Timeout occurred during R1->R2 invalid track wait
```

Cause

A timeout occurred during SRDF processing, while waiting for invalid tracks from an R1 device to synchronize with a remote R2 device.

Action

If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVM168I

```
Device(s) left in Not Ready state due to NR parameter specification.
```

Cause

NR parameter was requested on the SPLIT statement using Clone Emulation.

Action

None.

BCVM169E | BCVM169W

```
MSC has not achieved Global Consistency
```

Cause

A TimeFinder Consistent Split involving SRDF/A group(s) under the control of MSC has determined that MSC has not achieved global consistency. This could either be a warning (MAXRC 8) or an error (MAXRC<8).

Action

Re-issue the Consistent Split after MSC has achieved global consistency, as indicated by message SCF1523I in the SCF log.

BCVM170E

```
Incompatible Control Block level level for SAR Process process
```

Cause

The SRDF/AR MODIFY QUERY(DEVICES) command was issued using a different version of Mainframe Enablers than it was defined with.

Action

Use appropriate version of Mainframe Enablers.

BCVM171E

```
Specified BCV xxxxxx has a TimeFinder session with a different STD xxxxxx
```

Cause

The GLOBAL TER(N) option was specified and the ESTABLISH command was issued to attach the specified BCV to the STD while the BCV already has a relationship with a different STD.

Depending on how you set the MAXRC parameter of the GLOBAL command, this message can be returned as either an E (error) or W (warning). The description of the MAXRC and the TER parameters of the GLOBAL command in the *TimeFinder/Mirror for z/OS Product Guide* provides more information and describes the relationship between MAXRC and the

SETMAX argument. Displayed device numbers are PowerMax or VMAX device numbers.

Action

Review the parameters of the issued ESTABLISH command to verify that the specified BCV is correct. If the BCV is correct, either rerun ESTABLISH without the TER option or TER(Y), or issue the CONFIG DELINC command before the ESTABLISH in order to disattach BCV from the current STD.

BCVM175I

```
Buffer is full, displayed = xxxxxx of zzzzzz lines
```

Cause

This is an additional informational message to BCVI019E | BCVI019W. xxxxxx is the number of actually displayed messages and zzzzzz is the number of all messages to be displayed.

Action

None.

BCVM176E

```
Unable to read volser on STD xxxxxx, device has no CUU
```

Cause

One of devices specified in the device range for the Local Full Restore command has no CUU, but CUU is required to check VOLSER.

Action

Ensure that specified devices have CUU.

BCVM177E | BCVM177W

```
Unable to suspend already suspended RA group srdfgrp, consistency cannot be assured.
```

Cause

An attempt was made to suspend an SRDF/A group which had already been suspended by another job.

Action

Check your jobs to prevent running multiple jobs that suspend the same SRDF/A group.

BCVM178E

```
No SDDF session can be deleted for BCV xxxxxx from STD yyyyyy
```

Cause

The maximum of 6 (for clone emulation) or 8 (if clone emulation is not used) SDDF sessions was reached for STD yyyyyy while TF/Mirror was performing Establish, Re-Establish or Restore of BCV xxxxxx to STD yyyyyy. All of these sessions represent established BCVs so no session can be safely removed.

Action

Manually split any BCV from STD yyyyyy or change the STD in the command sequence.

BCVM180I

```
Symm symm-serial - temporary access granted as license could not be determined
```

Cause

License information for the indicated storage system could not be determined so temporary access was granted.

Action

Issue a DEV,RESCAN command from ResourcePak Base.

BCVM181E

```
Cannot change GCM on Target [ dev# ]
```

Cause

Failed to change GCM state of the target device during ESTABLISH or RESTORE processing.

When ESTABLISH (MULTI-ATTACH) is specified, *dev#* is not displayed.

Action

Eliminate the conditions preventing GCM state change and retry.

BCVM182E

```
{BCV|STD} device dev# SAF protected, access denied
```

Cause

RACF checking is enabled for the indicated device. A security rule is present and does not allow this user to access the device.

Action

Either correct the security rule to allow access or use a device to which access is allowed.

BCVM183E

```
Limit of 256 snapshots exceeded
```

Cause

Maximum snapshot count is reached on a standard device.

Action

Terminate an existing snapshot before ESTABLISHing this standard device.

BCVM184E

```
Clone emulation cannot be used to cascade clone emulation
```

Cause

An attempt was made to create a cascaded clone emulation configuration using clone emulation. This is not allowed.

Action

Terminate the existing relationship and retry.

See the *TimeFinder/Mirror for z/OS Product Guide* for explanation of cascaded clone emulation restrictions and requirements.

BCVM999E

```
Internal logic error
```

Cause

An internal error occurred.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for

applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVN083W

```
BCV xxxxxx had write pending tracks, a reverse split will not be allowed
```

Cause

A BCV was not fully synchronized with its mirror before the RESTORE command was issued.

Action

None.

BCVX000E

```
LCKA validation failed
```

Cause

Generated by the USEREXIT routine.

Action

Contact Dell EMC Customer Support for more information regarding this message from the USEREXIT routine.

BCVX001E

```
Invalid parms passed to EXIT. RS=xxxx
```

Cause

Generated by the USEREXIT routine.

Action

Contact Dell EMC Customer Support for more information regarding this message from the USEREXIT routine.

BCVX002E

```
Unable to acquire DEL 13. RS=xxxx
```

Cause

Generated by the USEREXIT routine.

Action

Contact Dell EMC Customer Support for more information regarding this message from the USEREXIT routine.

BCVX003E

```
BCV RELEASE for DEV=xxxxxx failed. RS=xxxx
```

Cause

Generated by the USEREXIT routine.

Action

Contact Dell EMC Customer Support for more information regarding this message from the USEREXIT routine.

BCVX004E

```
USEREXIT must be first stmt with the given sequence x number
```

Cause

Generated by the USEREXIT routine.

Action

Contact Dell EMC Customer Support for more information regarding this message from the USEREXIT routine.

BCVX005W

```
USEREXIT is the only stmt with the given sequence x number
```

Cause

Generated by the USEREXIT routine.

Action

Contact Dell EMC Customer Support for more information regarding this message from the USEREXIT routine.

BCVX006E

```
Unable to release DEL 13. RS=xxxx
```

Cause

Generated by the USEREXIT routine.

Action

Contact Dell EMC Customer Support for more information regarding this message from the USEREXIT routine.

BCVX007E

```
Not all locks released after BCVRELEASE failed
```

Cause

Generated by the USEREXIT routine.

Action

Contact Dell EMC Customer Support for more information regarding this message from the USEREXIT routine.

BCVX008I

```
Appl xxxx locked device xxxxxx for tttt secs
```

Cause

Generated by the USEREXIT routine.

Action

Contact Dell EMC Customer Support for more information regarding this message from the USEREXIT routine.

BCVX009I

```
No devices hold DEL13
```

Cause

Generated by the USEREXIT routine.

Action

Contact Dell EMC Customer Support for more information regarding this message from

the USEREXIT routine.

BCVX010E

```
BCV Query failed. RS=xxxx
```

Cause

Generated by the USEREXIT routine.

Action

Contact Dell EMC Customer Support for more information regarding this message from the USEREXIT routine.

BCVX011I

```
DEL 13 is obtained for nnnn devices starting with device number  
xxxxxx
```

Cause

Generated by the USEREXIT routine.

Action

Contact Dell EMC Customer Support for more information regarding this message from the USEREXIT routine.

BCVX012I

```
DEL 13 is released for nnnn devices starting with device number  
xxxxxx
```

Cause

Generated by the USEREXIT routine.

Action

Contact Dell EMC Customer Support for more information regarding this message from the USEREXIT routine.

BCVX013I

```
BCV RELEASE for DEV=xxxxxx completed successfully
```

Cause

Generated by the USEREXIT routine.

Action

Contact Dell EMC Customer Support for more information regarding this message from the USEREXIT routine.

BCVX014I

```
USEREXIT does not relate to any SPLIT or ESTABLISH
```

Cause

Generated by the USEREXIT routine.

Action

Contact Dell EMC Customer Support for more information regarding this message from the USEREXIT routine.

CHAPTER 8

TimeFinder Utility

BCVS011E

```
UNABLE TO GENRPL FOR catalog: catname
```

Cause

The TimeFinder Utility was unable to generate VSAM RPL for catalog *catname*

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVS012E

```
ERROR (vsam_feedback_code-vsam_function_code) WRITING TO  
CATALOG: catname
```

Cause

The displayed VSAM feedback code and VSAM function code was returned when writing to the indicated catalog.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVS013E

```
DATASET dsname IS ALREADY CATALOGED
```

Cause

The indicated dataset is already cataloged.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVS014I

```
DATASET dsname SUCCESSFULLY CATALOGED
```

Cause

The indicated dataset was successfully cataloged.

Action

None.

BCVS015E

```
UNABLE TO GENRPL FOR CATALOG: catname
```

Cause

The TimeFinder Utility was unable to generate VSAM RPL for catalog *catname*.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVS016I

```
PUT CODE (error-code) WRITING TO CATALOG: catname
```

Cause

The PUT code *error-code* was returned while writing to catalog *catname*.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVU001I

```
PROCESSING BEGINNING FOR VOLUME
```

Cause

Processing for the volume identified is beginning. This volume was selected by a PROCESS request statement.

Action

None.

BCVU002E

```
EMC SCF IS NOT AVAILABLE - SERVICE SAICALL FAILED
```

Cause

The Dell EMC address space is not available.

Action

Start the Dell EMC address space and rerun the job.

BCVU003E

```
ERROR RETURNED FROM EXTENTS
```

Cause

The EXTENTS utility was called and an error was returned. This is an internal error.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVU004E

```
BCVU004E FIND_ALL_CATALOGS STORAGE OBTAIN FAILED, RC=xxxxxxxx
```

Cause

EMCTFU was unsuccessful in obtaining a working storage area. Processing cannot continue.

Action

Review the return code from the manual, *MVS Programming: Authorized Assembler Services Reference* for the STORAGE OBTAIN macro, and follow the recommended actions. Increasing the region size and resubmitting the EMCTFU job may also be required. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVU010E

```
dsname dstype status
```

Cause

This message has the same cause and action as message BCVU010I.

Action

None.

BCVU010I

```
dsname dstype status
```

Cause

The dataset indicated has been processed. The dstype may be CLSTR, PATH, VSAM or NVSAM. The status indicates whether the processing was successful. Statuses and their meanings are:

- **BYPASS** - The dataset was bypassed because a related component was not processed or because SIMULATE was specified.
- **CATALOG FAIL** - The request to catalog this non-VSAM dataset failed.
- **CLUSTER ERR** - The cluster associated with this VSAM component dataset had an error during processing.
- **COMPLETED** - The dataset has been successfully processed.
- **CTLG ACCESS** - An error occurred while accessing the catalog for this dataset in order to perform the security check.
- **DEFPATH FAIL** - An error occurred while attempting to define a path.
- **DUP DSNAME** - A duplicate dsname has been detected.
- **GDG BASE ERR** - An error occurred while attempting to define a GDG base for this GDG dataset.
- **MISSING VVR** - The VVR record was not found in the VSAM vvds dataset.
- **NAME 2 LONG** - The dataset matched a RENAME request statement, but the new dataset name is greater than 44 characters.
- **NO CLUSTER** - Unable to determine the base cluster associated with an AIX dataset.
- **NO DSORG** - The dataset dsorg did not match the types of datasets selected for processing. Refer to the PROCESS request statement for this device. If VSAM is requested, then datasets with a dstype of NVSAM are not selected for processing. Likewise, if NON-VSAM is requested, then datasets with a dstype of CLSTR are not selected for processing.
- **NOT CATLGD** - A catalog was not specified on this request.

- `NOT SELECTED` - The dataset did not match any `RENAME` request statements.
- `NVSAM ONLY` - This is a VSAM dataset and only non-VSAM datasets have been selected for processing.
- `RECAT FAILED` - The request to recatalog this VSAM dataset failed.
- `RENAME FAIL` - The request to rename this dataset failed.
- `*RESERVED*` - The dataset may not be processed. This includes the VTOC index dataset, the VSAM vvds dataset and all catalog datasets.
- `SECURITY ERR` - This user does not have the appropriate security for processing this dataset.
- `VOL MISSING` - One or more volumes of a multi-volume dataset are not selected for processing.
- `VSAM ONLY` - This is a non-VSAM dataset and only VSAM datasets have been selected for processing.
- `2 MANY VOLS` - A multi-volume dataset has too many volumes. This can occur if the source dataset is not found in the source catalog or if the dataset name was found on more volumes than expected. For instance, a three volume dataset is found on four different volumes.
- `> 59 VOLUMES` - A catalog lookup indicated that this was a multi-volume dataset. There are more than 59 volumes in the list of eligible volumes.

In some cases, the IDCAMS output from the request is included in the jobstream.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID.

BCVU010W

dsname dstype status

Cause

The LSPACE utility was called and a non-zero return code resulted. This is an internal error. See message BCVU010I for a list of the statuses and their meanings.

Action

Review the job log and SYSLOG for errors. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

BCVU016E

NON-ZERO RETURN CODE FROM LSPACE

Cause

The LSPACE utility was called and a non-zero return code resulted. This is an internal error.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

BCVU023E

```
FREE OF FILE xxxxxxxx FAILED - RC= ERROR= INFO=
```

Cause

Dynamic allocation was called to free the ddname identified in the message. The return code, error code and information code are identified.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

BCVU024E

```
ALLOCATE OF FILE xxxxxxxx FAILED - RC= ERROR= INFO=
```

Cause

Dynamic allocation was called to allocate the volume to be processed by the ddname identified in the message. The return code, error code and information code are identified.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

BCVU025E

```
UNABLE TO RESOLVE IDCAMS MODEL -
```

Cause

A request to call IDCAMS using a model statement is unable to locate the model statement identified in the message text.

Action

Supply the model statement using the TFMODEL input. Unless a patch has been applied, this condition should not occur. It may be necessary to save the output and contact the Dell EMC Customer Support Center.

BCVU026E

```
MODEL STATEMENT HAS NO TEXT -
```

Cause

A request for a model statement was able to find the model statement identified in the message text, but the text is empty.

Action

This condition should only occur when the model statement text has been supplied using the TFMODEL input. Correct the TFMODEL input.

BCVU027E

```
MODEL STATEMENT EXPANDED BEYOND 32K IN SIZE -
```

Cause

The model statement identified in the message text was expanded beyond the 32k buffer size.

Action

This condition should only occur when the model statement text has been supplied using the TFMODEL input. Correct the TFMODEL input.

BCVU028E

```
DEVICE "CCUU/VOLSER" IS NOT ONLINE, PROCESSING BYPASSED
```

Cause

The device identified in the message text is not online.

Action

Vary the device online.

BCVU029W

```
NO VOLUMES REQUESTED FOR PROCESSING
```

Cause

No RELABEL or PROCESS request statement were selected for processing.

Action

Add the appropriate RELABEL or PROCESS statements.

BCVU030I

```
BCVU030I FIND_ALL_CATALOGS STORAGE RELEASE FAILED, RC=xxxxxxxx
```

Cause

This message will only be generated when the storage release fails doing DIVERT processing for logical migrations via z/OS Migrator. There is a potential for a private area storage shortage if this message is received multiple times while doing logical migrations.

Action

z/OS Migrator servers should be stopped and coldstarted at the earliest convenience. If you cannot correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVU031I

```
PROCESSING DATASETS
```

Cause

Processing of non-VSAM datasets and VSAM component datasets is beginning.

Action

None.

BCVU032I

```
DATA: dsname
```

Cause

This message identifies the data component dataset name for the cluster being processed.

Action

None.

BCVU033I

INDEX: *dsname*

Cause

This message identifies the index component dataset name for the cluster being processed.

Action

None.

BCVU034I

CATALOG: *catname*

Cause

This message identifies the new catalog name associated to the dataset being processed.

Action

None.

BCVU035I

RECATALOG PERFORMED

Cause

A RECATALOG of this VSAM cluster into the new catalog was performed.

Action

None.

BCVU036I

NEWNAME: *dsname*

Cause

This message identifies the new name which was assigned to the dataset being processed.

Action

None.

BCVU037I

CLUSTER: *clustname*

Cause

This message identifies the cluster name for the VSAM component dataset being processed.

Action

None.

BCVU038I

CATALOG NAME UPDATED IN THE VVDS

Cause

The VVDS VVR entries for the dataset has been updated to reflect the new catalog name.

Action

None.

BCVU039E

ENQ FOR EMCTF FAILED - PROCESSING TERMINATED

Cause

An ENQ for QNAME EMCTF was issued and failed. Most likely this volume is being processed by this utility in another job.

Action

Wait until the other job completes.

BCVU040I

SUCCESSFUL ALLOCATION FOR NEW CATALOG -

Cause

The catalog indicated in the message text was successfully allocated.

Action

None.

BCVU041E

ALLOCATION FAILED FOR NEW CATALOG -

Cause

An attempt to create the catalog indicated in the message text failed.

Action

Review the IDCAMS output. If the condition persists, save the output and contact the Dell EMC Customer Support Center.

BCVU043I

THIS IS A CATALOG DATASET, UNABLE TO PROCESS

Cause

A catalog dataset was selected for processing. Catalog datasets cannot be processed.

Action

None.

BCVU044I

CATALOG PERFORMED

Cause

The non-VSAM dataset was successfully catalogued into the new catalog.

Action

None.

BCVU045I

PROCESSING COMPLETED FOR VOLUME

Cause

Processing for the volume identified is complete.

Action

None.

BCVU047I

RELABEL PROCESSING STARTED

Cause

Processing of the RELABEL requests is beginning.

Action

None.

BCVU048I

RELABEL PROCESSING COMPLETED

Cause

Processing of the RELABEL requests is complete.

Action

None.

BCVU049E

RELABEL "CCUU" FAILED, CLIPTF RC=xx

Cause

An attempt to relabel the device identified in the message text failed. The condition returned by the CLIPTF utility program is also identified in the message text. The very next message in the message log should explain the return code.

Action

Refer to the next message in the message log. If missing, save the output and contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVU050E

RC=04 - DEVICE NOT OPERATION OR UCB INVALID

Cause

The CLIPTF set a return code of '04' indicating that the device is not operational or that the UCB is invalid. The device should be offline.

Action

Save the output and contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation available.

BCVU051E

RC=08 - VOL1 RECORD BAD OR OLD VOLSER MISMATCH

Cause

The CLIPTF set a return code of '08' indicating that the VOL1 record was bad or that the OLD-VOLSER did not verify. The device should be offline.

Action

Most likely, the label of the volume on the device does not match the OLD-VOLSER specified in the RELABEL request statement. Issue the "VARY ONLINE" command from a console to determine the actual volser. Correct the OLD-VOLSER in the RELABEL request statement. Do not forget to vary the device back offline before reprocessing.

BCVU052E

RC=12 - I/O ERROR OCCURRED

Cause

The CLIPTF set a return code of '12' indicating that an I/O error has occurred.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

BCVU053E

```
RC=16 - INVALID REQUEST
```

Cause

The CLIPTF set a return code of '16' indicating that the input request was invalid. This is an internal error.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

BCVU054E

```
DEVICE "ccuu/volser" FAILED TO COME ONLINE AFTER RELABEL
```

Cause

The device indicated in the message text did not come online within five minutes after processing. The RELABEL was successful and a "VARY ONLINE" command was issued.

Action

Examine the device to determine why it did not vary online successfully.

BCVU055I

```
DEVICE "ccuu/volser" RELABELED SUCCESSFULLY
```

Cause

The device has been relabeled and varied online successfully.

Action

None.

BCVU056E

```
I/O READING LABEL FOR UNIT "ccuu/volser"
```

Cause

An I/O error occurred while reading the VOL1 label from the indicated device.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

BCVU057E

```
VOLSER ON "ccuu" INCORRECT, EXPECTED "volser", FOUND "volser"
```

Cause

The VOL1 label on the device was incorrect. The device, expected volser and found volser are identified in the message text.

Action

This device may have been relabeled from another system. If this is correct, vary the device offline and then online. Otherwise, rerun the job with a DEBUG request statement, save the output from this job and contact the Dell EMC Customer Support Center. Ensure that you have all relevant job documentation, including the SYSLOG and job log.

BCVU058W

```
UNABLE TO DETERMINE OLD VOLSER FOR DEVICE "ccuu/volser"
```

Cause

The VOL1 label on the device did not contain the previous volser. When a RELABEL request is processed against a device the prior volser is stored into an unused portion of the VOL1 label. The old volser is necessary in order to process multivolume datasets. Otherwise, it is unnecessary.

Action

If a multivolume dataset resides on this device and should be processed, the device must be set back to the original volser and a RELABEL request must be executed. If there are no multivolume datasets to be processed, then this situation can be ignored.

BCVU059E

```
VOL1 LABEL INCORRECT FOR DEVICE "ccuu/volser"
```

Cause

The VOL1 label on the device was read, but the "VOL1" eye-catcher was invalid.

Action

Check the volume label record on the device.

BCVU060E

```
RC=20 - DEVICE INTERVENTION - MAY STILL BE ESTABLISHED
```

Cause

The CLIPTF set a return code of '20' indicating that the device is not available. The most likely cause is that the device is still established.

Action

Split the device and rerun the job.

BCVU061I

```
CLEANUP HAS BEEN PERFORMED ON CATALOG
```

Cause

The catalog indicated in the message text has been examined and all datasets catalogued to volumes included in this run have been uncataloged.

Action

None.

BCVU062E

```
OPERATOR FAILED REQUEST TO RELABEL DEVICE "ccuu"
```

Cause

A RELABEL request was to execute against the device identified in the message text. The device is not a Dell EMC BCV device. A WTOR (message BCVU063R) was issued to the operator console asking whether the command action should proceed and the console operator failed the request.

Action

Ensure that you really wish to relabel this non-BCV device. If so, instruct the console operator to respond to the WTOR (message BCVU063R) with Y to relabel it.

BCVU063R

```
RELABEL NON-BCV DEVICE CCUU? REPLY Y TO RELABEL OR N TO FAIL
```

Cause

A RELABEL request is scheduled to execute against the device identified in the message text. The device is not a Dell EMC BCV device.

Action

If the command action is to proceed, reply Y to the outstanding WTOR, otherwise reply N.

BCVU064E

```
OPERATOR FAILED REQUEST TO PROCESS DEVICE "ccuu/volser"
```

Cause

A PROCESS request was to execute against the device identified in the message text. The device is not a Dell EMC BCV device. A WTOR (message BCVU065R) was issued to the operator console asking whether the command action should proceed and the console operator failed the request.

Action

Ensure that you really wish to process this non-BCV device. If so, instruct the console operator to respond to the WTOR (message BCVU065R) with Y to continue processing.

BCVU065R

```
PROCESS NON-BCV DEVICE CCUU/VOLSER? REPLY Y TO PROCESS OR N TO FAIL
```

Cause

A PROCESS request is scheduled to execute against the device identified in the message text. The device is not a Dell EMC BCV device.

Action

If the command action is to proceed, reply Y to the outstanding WTOR, otherwise reply N.

BCVU066I

```
THIS IS A RESERVED DATASET, UNABLE TO PROCESS'
```

Cause

A reserved dataset was selected for processing. The utility is not able to process SYS1.VTOCIX or SYS1.VVDS datasets.

Action

None.

BCVU067I

BASE: *clustname*

Cause

This message identifies the primary cluster name for an alternate index being processed.

Action

None.

BCVU068I

DEVICE "*ccuu/volser*" LEFT OFFLINE, AS REQUESTED

Cause

This message identifies that a relabeled volume has been left offline after the relabel, as requested in the RELABEL control statement.

Action

None.

BCVU069I

PATH: *pathname*

Cause

This message identifies a path which is associated with the dataset.

Action

None.

BCVU070I

NEWPATH: *pathname*

Cause

This message identifies the new name associated with a path. This message will immediately follow message BCVU069I which identifies the old path name.

Action

None.

BCVU071I

AIX: *clustname*

Cause

This message identifies an alternate index cluster (AIX) associated with this primary base cluster.

Action

None.

BCVU072E

SECURITY CHECK FAILED FOR DATASET:

Cause

A SAF request was made to ensure proper security authorization or renaming the path.

Action

Contact your security administrator to obtain ALTER authority for renaming the path.

BCVU073E

SECURITY CHECK FAILED FOR PATH:

Cause

A SAF request was made to ensure proper security authorization or renaming the path.

Action

Contact your security administrator to obtain ALTER authority for renaming the path.

BCVU074E

IMPROPER VTOC INDEX DATASET FOUND

Cause

A VTOC INDEX dataset was found on the volume being processed. The proper name format is "SYS1.VTOCIX.vvvvvv", where vvvvvv is the volume serial number of the volume being processed. In this case, a dataset was found beginning with "SYS1.VTOCIX." but did not have the proper volume serial number.

Action

Processing of this volume will not proceed until the dataset name has been corrected.

BCVU075E

IMPROPER VVDS DATASET FOUND

Cause

A VVDS dataset was found on the volume being processed. The proper name format is "SYS1.VVDS.Vvvvvvv", where vvvvvvv is the volume serial number of the volume being processed. In this case, a dataset was found beginning with "SYS1.VVDS.V" but did not have the proper volume serial number.

Action

Processing of this volume will not proceed until the dataset name has been corrected.

BCVU076E

TOO MANY VTOC INDEX DATASETS FOUND ON VOLUME

Cause

Multiple datasets have been found on the volume where the dataset name begins with "SYS1.VTOCIX."

Action

Processing of this volume will not proceed until only one properly named VTOC index dataset is present.

BCVU077E

TOO MANY VVDS DATASETS FOUND ON VOLUME

Cause

Multiple datasets have been found on the volume where the dataset name begins with "SYS1.VVDS.V."

Action

Processing of this volume will not proceed until only one properly named VVDS dataset is present.

BCVU078I

nnnnnnnnn RESERVED DATASETS WERE NOT PRINTED

Cause

One or more summary messages regarding reserved datasets were not printed.

Action

This is an informational message only. No user action is required.

BCVU079I

```
nnnnnnnnn NOT SELECTED DATASETS WERE NOT PRINTED
```

Cause

One or more summary messages regarding datasets which were not selected for processing were not printed.

Action

This is an informational message only. No user action is required.

BCVU080I

```
RUN COMPLETE, HIGHEST RC= rccode
```

Cause

The EMCTFU utility has completed processing. The highest return code encountered during processing is identified.

Action

If the RC is non-zero, then the log should be examined for unusual conditions.

BCVU081I

```
*** EMC TIMEFINDER Vv.r.m ***
```

Cause

This is the title line for each page.

Action

None.

BCVU082I

```
GDG BASE WAS CREATED FOR THIS DATASET
```

Cause

A GDG dataset is being processed. The GDG base did not previously exist in the target catalog. In order for the RECATALOG request to succeed, a new GDG base was created in the target catalog.

Action

None.

BCVU083E

```
ERROR OBTAINING INFORMATION ABOUT CATALOG
```

Cause

An error occurred while attempting to obtain information about a catalog.

Action

Typically, the catalog is offline. Vary the device containing the catalog online and try the operation again.

BCVU084I

DEFINE PATH PERFORMED

Cause

This path was successfully defined in the target catalog.

Action

None.

BCVU085E

VSAM CLUSTER MISSING DATA OR INDEX COMPONENT

Cause

A VSAM component dataset was found and the cluster type has been determined to be KSDS cluster. Either the data or index component dataset is missing.

Action

This normally occurs when the data and index components reside on separate volumes and one of those volumes was not selected for processing. Ensure that the volume with the missing component is selected for processing.

BCVU086I

VOLUME :

Cause

This message identifies the first ten volumes containing the dataset.

Action

None.

BCVU087E

UNABLE TO ACQUIRE STORAGE FOR I/O

Cause

Region size too small.

Action

Increase the region size. Consider specifying approximately 2 Mbs for each volume processed. For instance, if 64 volumes are being processed, specify REGION=128M.

BCVU088E

I/O ERROR READING TRACK IMAGE, SIOIOB RC XXXXXXXX IOBRC XXXXXXXX

Cause

An I/O error occurred reading a track image.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

BCVU089I

OBTAINING VSAM CLUSTER INFORMATION AND ATTRIBUTES

Cause

The program is now obtaining VSAM cluster information.

Action

None.

BCVU090I

```
BEGINNING RENAME ACTIVITY THROUGH SUBTASKS
```

Cause

The program is starting to rename the datasets.

Action

None.

BCVU091I

```
CLEANUP HAS BEEN STARTED ON CATALOG catname
```

Cause

The program is performing clean on the identified catalog.

Action

None.

BCVU092I

```
CATALOG VSAM MACRO ERROR - xxxxxxxx
```

Cause

A error occurred accessing the catalog.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

BCVU093I

```
ERROR OPENING CATALOG - xxxxxxxx
```

Cause

An error occurred opening the catalog.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

BCVU094I

```
VOLUME volser VTOC COUNT=999999999 VVDS COUNT=999999999 DATASET  
COUNT=999999999
```

Cause

A status message identifying the various records found on the volume.

Action

None.

BCVU095I

```
STATUS: VOLUME volser TOTAL=999999999 PROCESSED=999999999  
SKIPPED=999999999
```

Cause

A status message issued every 15 minutes during processing for each volume.

Action

None.

BCVU096I

```
UNCATALOGS HAVE STARTED FOR CATALOG catname
```

Cause

Dataset cleanup has identified some datasets to be uncataloged. The program is now performing the uncatalogs.

Action

None.

BCVU097I

```
TOTAL=999999999 PROCESSED=999999999 SKIPPED=999999999
```

Cause

A status message issued every 15 minutes during processing for each volume.

Action

None.

BCVU098I

```
CANDIDATE VOLUME COUNT: xxxxxxxx
```

Cause

This identified the number of candidate volumes assigned to the dataset being renamed.

Action

None.

BCVU099E

```
SUBTASK HAS PREMATURELY TERMINATED
```

Cause

One of the processing subtasks has abnormally terminated.

Action

Review the job log and SYSLOG for errors. Search the Dell EMC Knowledgebase for applicable solutions relating to this message ID. If you cannot determine and correct the problem, contact the Dell EMC Customer Support Center. Ensure that you have the SYSLOG, the job log, and all relevant job documentation available.

BCVUI01E

```
DDNAME TFINPUT NOT FOUND
```

Cause

The TFINPUT ddname is not present in your JCL.

Action

Specify the TFINPUT ddname in your JCL.

BCVUI02E

```
OPEN FAILED FOR DDNAME TFINPUT
```

Cause

The TFINPUT ddname is coded incorrectly.

Action

The record size must be 80.

BCVUI03I

```
START OF INPUT CONTROL STATEMENT(S) FROM TFINPUT
```

Cause

Statements read from ddname TFINPUT follow this message.

Action

None.

BCVUI04I

```
BCV xxx
```

Cause

This statement contains the text of a line read from ddname TFINPUT.

Action

None.

BCVUI05I

```
END OF INPUT CONTROL STATEMENT(S) FROM TFINPUT
```

Cause

All statements have been read from ddname TFINPUT.

Action

None.

BCVUI06E

```
SYNTAX ERROR - INVALID REQUEST
```

Cause

The first word on the statement read was not a valid request.

Action

Correct or comment the statement. Valid requests are: DEBUG, SIMULATE, RELABEL, PROCESS, CATALOG, and RENAME.

BCVUI08E

```
FOUND PROCESS BUT MISSING RENAME STATEMENT IN TFINPUT
```

Cause

A PROCESS statement was found in TFINPUT but no RENAME statements were detected. Both statements are required.

Action

Specify both PROCESS and RENAME statements.

BCVUI09E

FOUND RENAME BUT MISSING PROCESS STATEMENT IN TFINPUT

Cause

A RENAME statement was found in TFINPUT but no PROCESS statements were detected. Both statements are required.

Action

Specify both PROCESS and RENAME statements.

BCVUI10E

PROCESS OR RELABEL STATEMENT REQUIRED IN TFINPUT

Cause

No PROCESS or RELABEL statements were detected in TFINPUT. PROCESS or RELABEL statements are required.

Action

Specify the statements required for this task.

BCVUI16E

"VSAM" "NON-VSAM" AND "BOTH" ARE MUTUALLY EXCLUSIVE

Cause

Two or more of these operands have been specified on the same input statement.

Action

Determine the correct operand and remove the improper ones. If both VSAM and non-VSAM datasets are to be processed, use the keyword BOTH rather than specify the two operands together.

BCVUI18E

NO UCB FOUND FOR SPECIFIED "CUU"

Cause

A CUU was specified which was syntactically correct, but a matching device was not found on this system.

Action

Correct the CUU parameter to refer to a valid device.

BCVUI20E

DEVICE FOR "CCUU" NOT THE SAME AS DEVICE FOR "VOLSER"

Cause

Both the CUU and VOLSER parameters were specified. Both the CUU and VOLSER refer to valid devices. BUT, the device containing the volume is not mounted on the CUU device.

Action

One or both parameters are incorrect. Correct the bad parameter.

BCVUI21E

EITHER "CUU" OR "VOLSER" MUST BE SPECIFIED

Cause

The CUU and VOLSER parameters are both missing. Unable to determine the device.

Action

Add a CUU and (or) VOLSER parameter to specify the device.

BCVUI23I

"VSAM" "NON-VSAM" AND "BOTH" MISSING, "BOTH" ASSUMED

Cause

No dataset selection parameters were specified, BOTH has been assumed as the default.

Action

None.

BCVUI27E

SYNTAX ERROR - CATALOG NAME MISSING

Cause

The catalog name is required on the CATALOG request statement.

Action

Specify a valid catalog name or remove the partial CATALOG request statement.

BCVUI28E

"NEW" NOT SPECIFIED, BUT CATALOG DOES NOT EXIST

Cause

The catalog specified on the CATALOG request statement does not exist.

Action

If the catalog should be created, add the NEW and VOLSER parameters. If the catalog name is incorrect, correct the catalog name.

BCVUI29E

"NEW" SPECIFIED, BUT CATALOG ALREADY EXISTS

Cause

The catalog specified on the CATALOG request statement already exists and cannot be created.

Action

Remove the NEW and VOLSER parameters or correct the catalog name to one which does not exist.

BCVUI30E

"VOLSER" SPECIFIED WITHOUT "NEW"

Cause

The VOLSER parameter was specified on the CATALOG request statement indicating that

the catalog is to be created, but the NEW parameter is missing.

Action

If the catalog is to be created, add the NEW parameter; otherwise remove the VOLSER parameter.

BCVUI31E

```
"DEFAULT" CATALOG ALREADY SPECIFIED
```

Cause

The DEFAULT parameter was specified on multiple CATALOG request statements. Only one catalog may be specified as the default catalog.

Action

Determine which catalog is desired as the default catalog and remove the DEFAULT operand from all other CATALOG request statements.

BCVUI35E

```
SYNTAX ERROR - OLD-HLQ MISSING
```

Cause

The OLD-HLQ parameter is required.

Action

Add the OLD-HLQ parameter to the input statement.

BCVUI36E

```
SYNTAX ERROR - "*" MUST BE LAST CHAR IN NAME
```

Cause

A wildcard character "*" was specified, but it must be the last character in the name.

Action

Correct the qualifier.

BCVUI38E

```
CATALOG REFERENCED, BUT NOT VALID -
```

Cause

The catalog specified in the message was specified on one of the input request statements, but the catalog does not actually exist.

Action

If the catalog name is incorrect, correct it. If the catalog is correct and should be created, add a CATALOG statement with the NEW and VOLSER parameters.

BCVUI39E

```
DEVICE IS NOT AVAILABLE FOR USE
```

Cause

A device containing the specified volume was found, but the device is set to a status which makes it unavailable for use.

Action

Check the device and make sure that it is available for use.

BCVUI40E

"NEW" SPECIFIED WITHOUT "VOLSER"

Cause

The NEW parameter was specified on the CATALOG request statement indicating that the catalog is to be created, but the VOLSER parameter is missing.

Action

If the catalog is to be created, add the VOLSER parameter; otherwise remove the NEW parameter. If the catalog is to be created under SMS, then specify a volser of SMSVOL.

BCVUI42E

"SIMULATE" ALREADY SPECIFIED

Cause

Multiple SIMULATE request statements have been encountered in the input request stream.

Action

Remove duplicate SIMULATE request statements.

BCVUI44E

"DEBUG" ALREADY SPECIFIED

Cause

Multiple DEBUG request statements have been encountered in the input request stream.

Action

Remove duplicate DEBUG request statements.

BCVUI46E

"CLEANUP" AND "NEW" ARE MUTUALLY EXCLUSIVE

Cause

The NEW operand is used to create a new catalog. The CLEANUP operand is used to remove entries from an existing catalog. These two parameters cannot be specified together.

Action

If the catalog already exists, remove the NEW and VOLSER parameters. If this is a new catalog, remove the CLEANUP parameter.

BCVUI47E

EACH RENAME STATEMENT MUST SPECIFY A CATALOG OR A DEFAULT CATALOG MUST BE ASSIGNED

Cause

A dataset is catalogued or re catalogued before the rename operation is performed. A catalog must be specified on the RENAME request statement or a default catalog must be designated on a CATALOG request statement.

Action

Specify a catalog on each RENAME request statement or add the DEFAULT operand on a CATALOG request statement.

BCVUI53E

"CUU=" MUST BE SPECIFIED

Cause

The CUU parameter is missing. Unable to determine the device.

Action

Add the CUU parameter to specify the device.

BCVUI54E

"OLD-VOLSER=" MUST BE SPECIFIED

Cause

The OLD-VOLSER parameter is missing. Unable to verify the prior volser.

Action

Add the OLD-VOLSER parameter.

BCVUI55E

"NEW-VOLSER=" MUST BE SPECIFIED

Cause

The NEW-VOLSER parameter is missing. Unable to change the device volume label.

Action

Add the NEW-VOLSER specifying the new volume label.

BCVUI56E

"NEW-VOLSER=" VOLUME FOUND ONLINE, NOT ON "CUU=" UNIT

Cause

The specified NEW-VOLSER was found online, but not on the same device as specified by the CUU parameter.

Action

If the new volume is already available, either correct the CUU parameter or remove the RELABEL request statement. If the new volser is specified incorrectly, correct it.

BCVUI57I

"NEW-VOLSER=" VOLUME FOUND ONLINE ON "CUU=" UNIT

Cause

The specified NEW-VOLSER was found online and on the same device as specified by the CUU parameter. An assumption is made that the volume has already been relabeled.

Action

None.

BCVUI58I

RELABEL REQUEST IGNORED

Cause

This message will be preceded by a message with an explanation (most likely message BCVUI57I). The RELABEL request is not invalid, but it has been determined that the

processing does not need to be performed.

Action

None.

BCVUI59E

```
"CUU=" DEVICE WAS FOUND ONLINE, IT MUST BE OFFLINE TO RELABEL
```

Cause

The specified CUU device was found online and it did not contain a device with the volume label matching the NEW-VOLSER. In order for the RELABEL to operate, the device must be in an offline status.

Action

If this is the correct device, vary the device offline. If this is the wrong device, correct the CUU parameter.

BCVUI61E

```
NO UCB FOUND FOR VOLSER=
```

Cause

A PROCESS request statement specified a volser which was not found in the list of online devices. The list of RELABEL request statements were also searched for one matching this volser.

Action

If this is the correct volser, determine the actual device and vary it online. If the volser is incorrect, correct it.

BCVUI62E

```
DEVICE "ccuu" IS NOT AVAILABLE FOR USE
```

Cause

The device indicated in the message text is valid, but the device is set to a status which makes it unavailable for use.

Action

Check the device and make sure that it is available for use.

BCVUI63E

```
"DEBUGEXTENTS" ALREADY SPECIFIED
```

Cause

Multiple DEBUGEXTENTS request statements have been encountered in the input request stream.

Action

Remove duplicate DEBUGEXTENTS request statements.

BCVUI64E

```
SECURITY CHECK FAILED FOR OLD-VOLSER
```

Cause

A SAF security check has been issued with ALTER authority for the old volser.

Action

You must have ALTER authority for the old volser. Contact your security administrator

BCVUI65E

```
SECURITY CHECK FAILED FOR NEW-VOLSER
```

Cause

A SAF security check has been issued with ALTER authority for the new volser.

Action

You must have ALTER authority for the new volser. Contact your security administrator.

BCVUI66E

```
"PRINT" SPECIFIED WITHOUT "ID"
```

Cause

The PRINT keyword has been encountered while parsing the MESSAGES statement. The PRINT keyword must be used in conjunction with the ID keyword.

Action

Add the ID keyword specifying the message ID.

BCVUI67E

```
"CONSOLE" SPECIFIED WITHOUT "ID"
```

Cause

The CONSOLE keyword has been encountered while parsing the MESSAGES statement. The CONSOLE keyword must be used in conjunction with the ID keyword.

Action

Add the ID keyword specifying the message ID.

BCVUI68E

```
"ROUTCDE" SPECIFIED WITHOUT "ID"
```

Cause

The ROUTCDE keyword has been encountered while parsing the MESSAGES statement. The ROUTCDE keyword must be used in conjunction with the ID keyword.

Action

Add the ID keyword specifying the message ID.

BCVUI69E

```
"DESC" SPECIFIED WITHOUT "ID"
```

Cause

The DESC keyword has been encountered while parsing the MESSAGES statement. The DESC keyword must be used in conjunction with the ID keyword.

Action

Add the ID keyword specifying the message ID.

BCVUI70E

```
DDNAME SYSOUT NOT FOUND
```

Cause

The SYSOUT ddname is not present in your JCL.

Action

Specify the SYSOUT ddname in your JCL.

BCVUI71I

```
VOLUME "volser" SELECTED FOR RELABEL -OFFLINE AND PROCESS, OFFLINE  
IGNORED
```

Cause

A RELABEL statement for a volume contained the OFFLINE keyword, indicating that the volume should remain offline after being relabeled. However, a PROCESS statement was also encountered for the same volume. The volume cannot remain offline and be processed. The OFFLINE keyword will be ignored and the volume will be brought online for additional processing.

Action

Remove the OFFLINE keyword from the RELABEL statement.

BCVUI72I

```
UNABLE TO SIMULATE PROCESSING VOLUME "volser" UNTIL ACTUAL RELABEL  
PERFORMED
```

Cause

A RELABEL statement for a volume is present, along with a PROCESS statement for the same volume. A SIMULATE statement has also been encountered. The PROCESS cannot be simulated until the volume has actually been relabeled and brought online.

Action

RELABEL the volume and rerun.

BCVUI73E

```
"DEBUGCLEANUP" ALREADY SPECIFIED
```

Cause

The DEBUGCLEANUP statement has been encountered twice in the input command stream.

Action

Remove one of the occurrences.

BCVUI74E

```
"SYSCTLG" AND "NEW"/"VOLSER" ARE MUTUALLY EXCLUSIVE
```

Cause

CATALOG=SYSCTLG was specified along with information for creating a new catalog. System catalogs must already exist and cannot be created.

Action

If the system catalog is desired, make sure that it is already pre-allocated and remove the NEW or VOLSER parameters. If a new catalog is desired, change the CATALOG=SYSCTLG to indicate the new catalog name.

BCVUI75E

```
"SYSCTLG AND "CLEANUP" ARE MUTUALLY EXCLUSIVE
```

Cause

CATALOG=SYSCTLG and the CLEANUP parameter were both specified. CLEANUP is not allowed on the whole system catalog structure and all system catalog datasets.

Action

Remove the CLEANUP parameter.

BCVUI76E

```
VOLUME "volser" IS NOT AVAILABLE FOR USE
```

Cause

A volser was specified that cannot be found online.

Action

Correct the volser or vary the device online.

BCVUI78E

```
"DEBUGIDCAMs" ALREADY SPECIFIED
```

Cause

A DEBUGIDCAMs statement has been encountered twice in the input command.

Action

Remove one of the occurrences.

BCVUM01E

```
OPEN FAILED FOR DDNAME TFMODEL
```

Cause

The TFMODEL ddname is coded correctly.

Action

The record size must be 80.

BCVUM02I

```
START OF INPUT CONTROL STATEMENT(S) FROM TFMODEL
```

Cause

Statements read from ddname TFMODEL follow this message.

Action

None.

BCVUM03I

```
END OF INPUT CONTROL STATEMENT(S) FROM TFMODEL
```

Cause

All statements have been read from ddname TFMODEL.

Action

This is an informational message only. No user action is required.