B2B 850 Purchase Order

X12 Version 004010

Abstract

This Purchase Order will be used when customers cannot manage the option indicator code, the part action codes (add, upgrade, downgrade, configure) separately from the part being ordered. This is referred to as the commodity EDI 850 PO and is used in conjunction with the commodity EDI 832 CAT, for use within the context of an Electronic Data Interchange (EDI) environment.

March 2024

Revisions

Date	Description
April 2011	Initial release. 850 PO - X12 Version 004010
March 2024	Revision in accordance with Dell Brand guidelines

Introduction

This Purchase Order will be used when customers cannot manage the option indicator code, the part action codes (add, upgrade, downgrade, configure) separately from the part being ordered. This is referred to as the commodity EDI 850 PO and is used in conjunction with the commodity EDI 832 CAT.

1   850 Purchase Order

Functional Group ID=**PO**

Introduction:

This Purchase Order will be used when customers cannot manage the option indicator code, the part action codes (add, upgrade, downgrade, configure) separately from the part being ordered. This is referred to as the commodity EDI 850 PO and is used in conjunction with the commodity EDI 832 CAT.

Heading:

Dell	Pos. No.	Seg. ID	Name	Req Des.	Max. Use	Loop Repeat	Notes and Comments
M	010	ST	Transaction Set Header	M	1		
M	020	BEG	Beginning Segment for Purchase Order	M	1		
			LOOP ID - N1			2	
M	310	N1	Name	M	1		
M	330	N3	Address Information	M	2		
M	340	N4	Geographic Location	M	1		
M	360	PER	Administrative Communications Contact	M	1		

Detail:

Dell	Pos. No.	Seg. ID	Name	Req Des.	Loop Max. Use	Notes and Repeat	Pos. Comments
			LOOP ID - PO1			100000	
M	010	PO1	Baseline Item Data	M	1		n1
			LOOP ID - PID			1000	
M	050	PID	Product/Item Description	O	1		

Summary:

Dell	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - CTT			1	
M	010	CTT	Transaction Totals	O	1		n2
M	030	SE	Transaction Set Trailer	M	1		

2   ST Transaction Set Header

Segment:	ST Transaction Set Header
Position:	010
Loop:	
Level:	Heading
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the start of a transaction set and to assign a control number
Syntax Notes:	
Semantic Notes:	1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:	

Data Element Summary

Dell	Ref. Des.	Data Element	Name	Attributes	
M	ST01	143	**Transaction Set Identifier Code**	M	ID 3/3
			Code uniquely identifying a Transaction Set		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
M	ST02	329	**Transaction Set Control Number**	M	AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		

3   BEG Beginning Segment for Purchase Order

Segment:	BEG Beginning Segment for Purchase Order
Position:	020
Loop:	
Level:	Heading
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the beginning of the Purchase Order Transaction Set and transmit identifying numbers and dates
Syntax Notes:	
Semantic Notes:	**1** BEG05 is the date assigned by the purchaser to purchase order.
Comments:	

Data Element Summary

Dell	Ref. Des.	Data Element	Name		Attributes
M	BEG01	353	**Transaction Set Purpose Code**	M	ID 2/2
			Code identifying purpose of transaction set		
			00 Original		
M	BEG02	92	**Purchase Order Type Code**	M	ID 2/2
			Code specifying the type of Purchase Order		
			KN Purchase Order		
M	BEG03	324	**Purchase Order Number**	M	AN 1/15
			Identifying number for Purchase Order assigned by the orderer/purchaser		
M	BEG05	373	**Date**	M	DT 8/8
			Date expressed as CCYYMMDD		

4   N1 Name

Segment:	N1 Name
Position:	310
Loop:	N1 Mandatory
Level:	Heading
Usage:	Mandatory
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	
Semantic Notes:	
Comments:	1 This segment, used alone, provides the most efficient method of providing organizational identification
Notes:	The N1 Loop may occur up to 2 times.

Data Element Summary

Dell	Ref. Des.	Data Element	Name		Attributes
M	N101	98	**Entity Identifier Code**	M	ID 2/2
			Code identifying an organizational entity, a physical location, property or an individual		
			BT Bill-to-Party		
			ST Ship To		
M	N102	93	**Name**	M	AN 1/30
			Free-form name		

5   N3 Address Information

Segment:	N3 Address Information
Position:	330
Loop:	N1 Mandatory
Level:	Heading
Usage:	Mandatory
Max Use:	2
Purpose:	To specify the location of the named party
Syntax Notes:	
Semantic Notes:	
Comments:	
Notes	The second occurrence of this segment may be used with the BT and ST codes only.

Data Element Summary

Dell	Ref. Des.	Data Element	Name		Attributes
M	N301	166	**Address Information** Address Information	M	ID 2/2
	N302	166	**Address Information** Address Information	O	AN 1/30

6   N4 Geographic Location

Segment:	N4 Geographic Location
Position:	340
Loop:	N1 Mandatory
Level:	Heading
Usage:	Mandatory
Max Use:	>1
Purpose:	To specify the geographic place of the named party
Syntax Notes:	
Semantic Notes:	
Comments:	

Data Element Summary

Dell	Ref. Des.	Data Element	Name	Attributes	
M	N401	19	**City Name** Free-form text for city name	M	AN 2/30
M	N402	156	**State or Province Code** Code (Standard State/Province) as defined by appropriate government	M	ID 2/2
M	N403	116	**Postal Code** Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	M	ID 3/15
M	N404	26	**Country Code** Code identifying the country	M	ID 2/3

7 PER Administrative Communications Contact

Segment:	PER Administrative Communications Contact
Position:	360
Loop:	N1 Mandatory
Level:	Heading
Usage:	Mandatory
Max Use:	>1
Purpose:	To identify a person or office to whom administrative communications should be directed
Syntax Notes:	
Semantic Notes:	
Comments:	

Data Element Summary

Dell	Ref. Des.	Data Element	Name	Attributes	
M	PER01	366	**Contact Function Code** Code identifying the major duty or responsibility of the person or group named OC Order Contact	M	ID 2/2
M	PER02	93	**Name** Free-form name	M	AN 1/30
M	PER03	365	**Communication Number Qualifier** Code identifying the type of communication number TE Telephone	M	ID 2/2
M	PER04	364	**Communication Number** Complete communications number including country or area code when applicable Used with ST and BT codes.	M	AN 1/80
M	PER05	365	**Communication Number Qualifier** M PER05 365 M ID 2/2 Code identifying the type of communication number EM Email Address	M	ID 2/2
M	PER06	364	**Communication Number** Complete email address Used with ST code only.	M	AN 1/80

8   PO1 Baseline Item Data

Segment:	PO1 Baseline Item Data
Position:	10
Loop:	PO1 Mandatory
Level:	Detail
Usage:	Mandatory
Max Use:	1
Purpose:	To specify basic and most frequently used line item data
Syntax Notes:	
Semantic Notes:	
Comments:	1 See the Data Element Dictionary for a complete list of IDs.
	2 PO101 is the line item identification.

Data Element Summary

Dell	Ref. Des.	Data Element	Name	Attributes	
M	PO101	350	**Assigned Identification** Alphanumeric characters assigned for differentiation within a transaction set	O	AN 1/20
M	PO103	330	**Quantity Ordered** Quantity ordered	M	R 1/15
M	PO103	355	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken EA Each	M	ID 2/2
M	PO1014	212	**Unit Price** Price per unit of product, service, commodity, etc.	M	R 1/17
M	PO106	235	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) VP Vendor Part Number	M	ID 2/2
M	PO107	234	**Product/Service ID** Identifying number for a product or service Vendor Part Number	M	AN 1/48

9 PID Product/Item Description

Segment:	PID Product/Item Description
Position:	050
Loop:	PID Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	
Semantic Notes:	
Comments:	

Data Element Summary

Dell	Ref. Des.	Data Element	Name	Attributes
M	PID01	349	**Item Description Type** Code indicating the format of a description F Free-form	M ID 1/1
M	PID05	352	**Description** A free-form description to clarify the related data elements and their content Item Description	M AN 1/80

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10 CTT Transaction Totals Position

Segment:	CTT Transaction Totals Position
Position:	010
Loop:	CTT Optional
Level:	Summary
Usage:	Optional
Max Use:	1
Purpose:	To transmit a hash total for a specific element in the transaction set
Syntax Notes:	
Semantic Notes:	
Comments:	1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

Dell	Ref. Des.	Data Element	Name	Attributes
M	CTT01	354	**Number of Line Items** Total number of line items in the transaction set	M N0 1/6

11 SE Transaction Set Trailer

Segment:	SE Transaction Set Trailer
Position:	030
Loop:	
Level:	Summary
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)
Syntax Notes:	
Semantic Notes:	
Comments:	1 SE is the last segment of each transaction set.

Data Element Summary

Dell	Ref. Des.	Data Element	Name		Attributes
M	SE01	96	**Number of Included Segments**	M	N0 1/10
			Total number of segments included in a transaction set including ST and SE segments		
M	SE02	329	**Transaction Set Control Number**	M	AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		