Dell Premier

Procurement Integration Mapping Guide

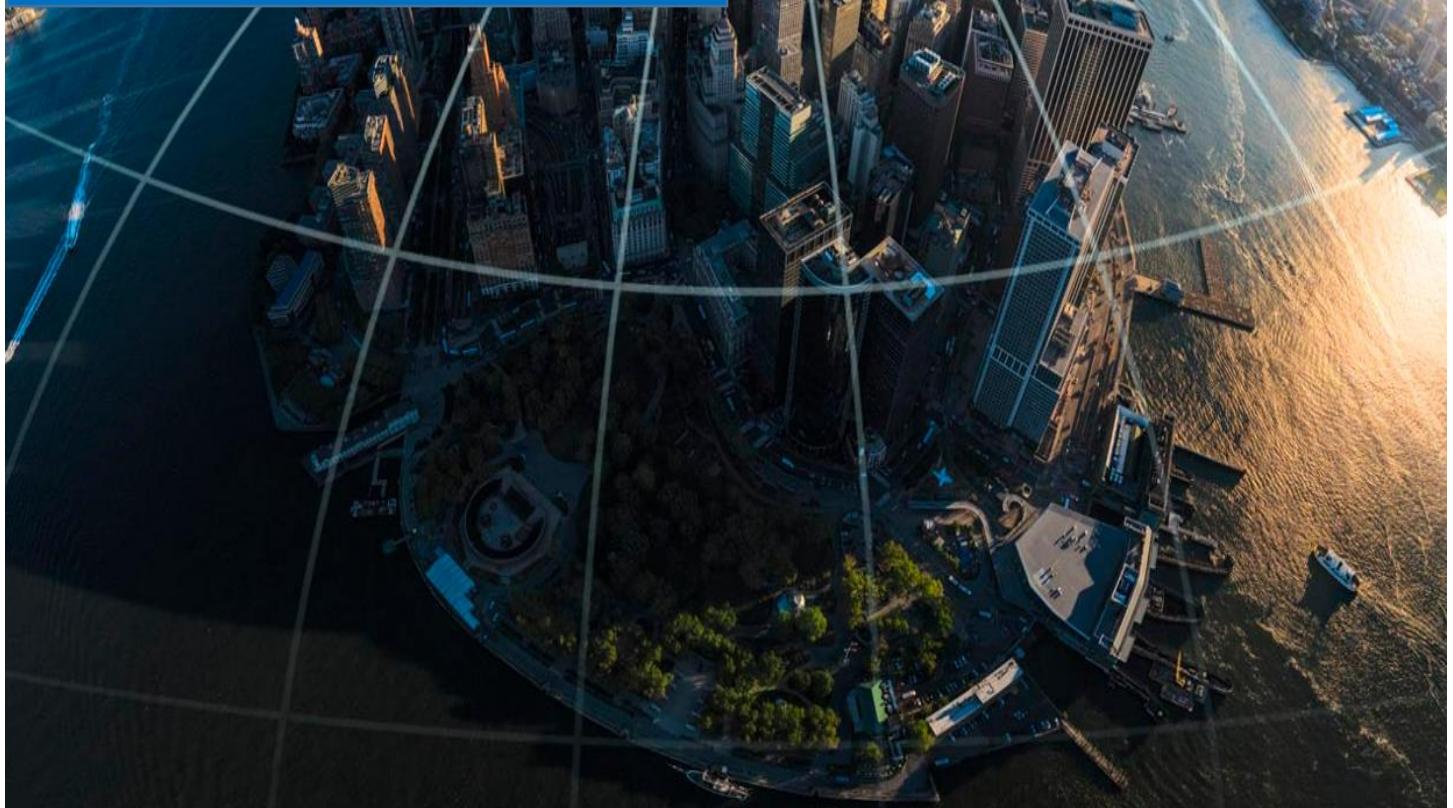## cXML

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Purpose of Document

This document provides guidance and reference material to IT professionals to establish a Dell Premier B2B Mapping integration with Dell. Specifically, it provides cXML PunchOut and purchase order mapping specifications to allow customers to PunchOut and exchange electronic purchase orders with Dell.

For more information, please contact your Dell Global Integration Architect or email Global_B2B_Support@dell.com.

Transaction Sets Included in this Document

PunchOut See page 4 for specification. See Appendix 1 starting on page 11 for sample(s).	• PunchOut is defined by accessing an authenticated, Dell PunchOut catalog from the customer's procurement system. The operation type field can be one of three values: create – to create a new PunchOutOrder Message; edit – to edit an existing PunchOutOrder Message; and inspect – to view the details of an existing PunchOutOrder Message. If operation type is edit or inspect, then the Cart ID of the PunchOutOrder Message will be required in the PunchOut document. • PunchOut "edit" allows the user to retrieve a PunchOutOrder Message (Cart) and modify it. A new Cart ID is returned in the PunchOutOrder Message and the old Cart ID is disabled. • PunchOut "inspect" allows the user to simply view the contents of the order on the Dell side.
PunchOutOrder Message See page 5 for specification. See Appendix 2 starting on page 13 for sample.	The PunchOutOrder Message contains the contents of the shopping cart created on the Dell PunchOut catalog. This document is sent back to the URL that is provided in the Postback URL of the PunchOut document. Dell has the ability to provide summary level line items for configurations or line item details for the items that make up the configurations. If line item detail is chosen, the summary line item will contain the configuration price and the sub-lin7e item details of that configuration will contain a zero price.
Purchase Order See page 7 for specification. See Appendix 3 starting on page 14 for sample.	The Purchase Order contains item-level product information and billing and shipping information.

Purchase Order Acknowledgement
 	
See page 10 for specification.
 	
See Appendix 4 starting on page 15 for sample(s).
	The Purchase Order Acknowledgement is immediately sent from Dell to the customer after Dell has received an electronic purchase order. The Purchase Order Acknowledgement is a system-to-system response (synchronous) that contains a status code and description.
	
	• **Status Code = "200":**
	   o PO was successful.
	   o Response will include PO number.
	   o Dell will send 3 email notifications to the email address provided on the PO (cXML/Request/OrderRequest/OrderRequest/Header/ShipTo/Address/Email):
	   o **PO acknowledgement** indicating that Dell received the order.
	       ☐ Sent to customer when PO is received by Dell.
	   o **PO confirmation** with Dell's order number.
	       ▪ Sent to customer when order is received into Dell's Order Management System.
	   o **Ship notification** indicating that the order has shipped and tracking information is included.
	       ▪ Sent to customer when order is shipped.
	• **Status Code = "500":**
	   o PO failed due to one or more issues.
	   o Response will contain the error description of the first error encountered, along with original PO details.
	   o An email notification will be sent to the Dell Sales Rep to inform him/her of the failed B2B PO.

PunchOutSetUpRequest Specification (Customer sends to Dell)

Field	cXML Mapping Information	Required	Validation /Notes
Customer's Authentication Domain	cXML/Header/From/Credential/@domain	Yes	Set to valid cXML Domain such as "NetworkId", "DUNS", "AribaNetworkUserId", "Phone", or "TaxID".
Customer User ID	cXML/Header/From/Credential/Identity	Yes	Dell will provide the customer with this value. This is the unique value that Dell uses to authenticate the customer's PunchOut session.
Deployment Mode	cXML/Request/PunchOutSetupRequest/@deploymentMode	Yes	Values are "test" or "production".
Operation Type	cXML/Request/PunchOutSetupRequest/@operation	Yes	Values are "create", "edit", or "inspect".
Postback URL	cXML/Request/PunchOutSetupRequest/BrowserFormPost/URL	Yes	URL that Dell will submit the PunchOutOrder Message Response back to. Example, "https://{URL}"
Part ID for Second PunchOut Site	cXML/Request/PunchOutSetupRequest/SelectedItem/ItemID/Supplier PartID	No	Used for accessing second PunchOut site. If customer needs multiple Dell catalog views, send a Dell assigned second PunchOut site value in this field.
Cart ID	cXML/Request/PunchOutSetupRequest/ItemOut/ItemID/SupplierPart AuxiliaryID	No	Only required if Operation Type = Edit or Inspect.

Notes:

Shared Secret/Password: Dell does not require a shared secret in the Header Sender Credential for authentication. However, a value can be sent if the customer's ERP system requires.

PunchOutSetUpRequest Sample – See Appendix 1 starting on page 11.

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PunchOutOrder Message Specification (Dell sends to Customer from PunchOut session)

Field	cXML Mapping Information	Validation / Notes
From Domain (Dell's Authentication Domain)	cXML/Header/From/Credential/@domain= "DUNS"	Value set as, "DUNS ".
From Identity (Dell's Authentication Identity)	cXML/Header/From/Credential/Identity	Value set as 128293714 (Dell's DUNS Number).
To Domain (Customer's Authentication Domain)	cXML/Header/To/Credential/@domain = "NetworkId"	Dell will return From Domain received in the PunchOut setup.
To Identity (Customer UserID)	cXML/Header/To/Credential/Identity	Dell will return From Identity received in the PunchOut setup.
Sender Domain (Dell's Authentication Domain)	cXML/Header/Sender/Credential/@domain = "DUNS"	Value set as, "DUNS ".
Sender Identity (Dell's Authentication Identity)	cXML/Header/Sender/Credential/Identity	Value set as 128293714 (Dell's DUNS Number).
Dell's Shared Secret	cXML/Header/Sender/Credential/SharedSecret	Value set as "nopassword".
User Agent	cXML/Header/Sender/Credential/UserAgent	Value set as "Dell cXML1.1".
Deployment Mode	cXML/Request/@deploymentMode = "test"	Value set to "test" for test site / "production" for production site.
Operation Allowed	cXML/Message/PunchOutOrderMessage/ PunchOutOrderMessageHeader/@operationAllowed = "edit"	Value set as "edit". Therefore, allowing the customer procurement application to inspect or edit the shopping cart later.
Currency Code	cXML/Message/PunchOutOrderMessage/ PunchOutOrderMessageHeader/Total/Money/@currency	Value is ISO currency code.
Total Amount	cXML/Message/PunchOutOrderMessage/ PunchOutOrderMessageHeader/Total/Money	Total Value of Cart.
Quantity	cXML/Message/PunchOutOrderMessage/ItemIn/ @quantity	Quantity of Line Item.
Part ID	cXML/Message/PunchOutOrderMessage/ItemIn/ItemID/ SupplierPartID	Contains Dell Part Number (or SKU). For example, 2227948. Oracle Users ONLY: this tag will contain the Cart ID rather than the Dell Part Number.

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PunchOutOrder Message Specification (Dell sends to Customer from PunchOut session) - continued

Field	cXML Mapping Information	Validation / Notes
Cart ID	cXML/Message/PunchOutOrderMessage/ItemIn/ItemID/ SupplierPartAuxiliaryID	Contains 13 digit number followed by "\" and the line item number of the product selected in the PunchOut session. For example, 1006908870924\1. Cart ID expires after 60 days. Oracle Users ONLY: This tag will be null. The Cart ID will be sent in the cXML/Message/PunchOutOrderMessage/ItemIn/ItemID/SupplierPartID tag.
Currency Code	cXML/Message/PunchOutOrderMessage/ItemIn/ItemDetail /UnitPrice/Money/@currency	Value is ISO currency code.
Unit Price	cXML/Message/PunchOutOrderMessage/ItemIn/ItemDetail /UnitPrice/Money	Unit Cost of Line Item.
Product Description	cXML/Message/PunchOutOrderMessage/ItemIn/ItemDetail/ Description	Description of Line Item.
Unit of Measure	cXML/Message/PunchOutOrderMessage/ItemIn/ItemDetail/ UnitOfMeasure	Value set as "EA" (each).
UNSPSC Code	cXML/Message/PunchOutOrderMessage/ItemIn/ItemDetail/ Classification/@domain = UNSPSC	For more information, see section on UNSPSC codes.
Manufacturer PartID	cXML/Message/PunchOutOrderMessage/ItemIn/ItemDetail/ ManufacturerPartID	Manufacturer Part Number (If available).
Manufacturer Name	cXML/Message/PunchOutOrderMessage/ItemIn/ItemDetail/ ManufacturerName	Value set as "Dell".

PunchOutOrder Message Sample – See Appendix 2 starting on page 13 for Sample(s)

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Purchase Order Specification (Customer sends to Dell)

Field	cXML Mapping Information	Required	Validation / Notes
Authentication Section			
Dell's Authentication Domain	cXML/Header/From/Credential/@domain	Yes	Set to valid cXML Domain such as "NetworkId", "DUNS", "AribaNetworkUserId", "Phone", or "TaxID". Must be the same as the PunchOut Setup Request.
Customer UserID	cXML/Header/From/Credential/Identity	Yes	Dell will provide you with this value. This is the unique value that Dell uses to authenticate customer's Purchase Order. Must be the same as the PunchOut Setup Request.
Deployment Mode	cXML/Request/@deploymentMode	Yes	Values are "test" or "production".
Note: Shared Secret/Password: Dell does not require a shared secret in the Header Sender Credential for authentication. However, a value can be sent if the customer's ERP system requires.			
PO Number Section			
PO number	cXML/Request/OrderRequest/ OrderRequestHeader/@orderID	Yes	Purchase Order Number.
PO date	cXML/Request/OrderRequest/ OrderRequestHeader/@orderDate	No	Date Purchase Order was issued.
PO type	cXML/Request/OrderRequest/ OrderRequestHeader/@type	Yes	Must set value to "New".
Ship To Section			
ShipTo Organization Name	cXML/Request/OrderRequest/ OrderRequestHeader/ShipTo/Address/Name	Yes	Ship To Organization Name. 30 character length. If > 30 characters, will be truncated.
ShipTo Contact Name	cXML/Request/OrderRequest/ OrderRequestHeader/ShipTo/Address/ PostalAddress/DeliverTo	Yes	Order and Ship To Contact Name. 30 character length. If > 30 characters, will be truncated. This field is treated strictly as a name. It is strongly recommended that this field is not used for any other purpose, otherwise, unpredictable data will result on the shipping label. Field formatted/stored as a name: First Name (14 char) Middle Initial (1 char) Last Name (15 char) *Note: If multiple occurrences of the DeliverTo tag are sent, only the first occurrence is used by Dell. Any others will not be used.
ShipTo Street Address Line1	cXML/Request/OrderRequest /OrderRequestHeader/ShipTo/Address/ PostalAddress/Street	Yes	Ship To Street Address 1. 30 character length. If > 30 characters, will be truncated.
ShipTo Street Address Line2	cXML/Request/OrderRequest/ OrderRequestHeader/ShipTo/ Address/PostalAddress/Street	No	Ship To Street Address 2. 30 character length. If > 30 characters, will be truncated. If ShipTo Street Address Line3 is provided, will be concatenated to Ship To Street Address Line2 and stored as Ship To Street Address Line2. Then truncated to 30 characters. Note: Dell only stores 2 Street Address lines with 30 characters each.
ShipTo City	cXML/Request/OrderRequest/ OrderRequestHeader/ShipTo/ Address/PostalAddress/City	Yes	Ship To City. If > 30 characters, will be truncated.
ShipTo State/Province	cXML/Request/OrderRequest/ OrderRequestHeader/ShipTo/ Address/PostalAddress/State	*Dependent on integration region	*Yes: Americas, Asia, Pacific, Japan *No: Europe, Middle East, Africa Ship To State. 2 letter state abbreviation.

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Purchase Order Specification (Customer sends to Dell) - continued

Field	cXML Mapping Information	Required	Validation / Notes
ShipTo Postal Code	cXML/Request/OrderRequest/ OrderRequestHeader/ShipTo/Address/ PostalAddress/PostalCode	Yes	Ship To Postal Code. Length must be 5 or 9 digits.
ShipTo Phone	cXML/Request/OrderRequest/ OrderRequestHeader/ShipTo/Address/Phone /TelephoneNumber/Number	Yes	Ship To Contact Phone Number. Length must be 10 digits. This number is used for shipping inquiries from the selected shipping carrier if needed at time of shipping.
ShipTo Country	cXML/Request/OrderRequest/ OrderRequestHeader/ShipTo/Address/ PostalAddress/Country/@isoCountryCode	Yes	Ship To Country.
ShipTo Contact Email address	cXML/Request/OrderRequest/ OrderRequestHeader/ShipTo/Address/Email	*Dependent on integration region	*Yes: Americas *No: Europe, Middle East, Africa, Asia, Pacific, Japan Ship To Contact Email address that will receive email order confirmations: PO Acknowledgement / PO Confirmation / Ship Notification For multiple email addresses, customer can send multiple values and separate with a ";". (example: jane_doe@dell.com;john_doe@dell.com)

Note: If any ShipTo fields from the PO are truncated on the Dell side, you will see the associated truncation on the Shipping Label for that PO. If you prefer to send line item shipping, as opposed to header level shipping, that is an option. Please contact your Dell Global Integration Architect for more information.

Bill To Section			
BillTo Organization Name	cXML/Request/OrderRequest/ OrderRequestHeader/BillTo/Address/Name	Yes	Bill To Organization Name. 30 character length. If > 30 characters, will be truncated.

BillTo Contact Name	cXML/Request/OrderRequest/ OrderRequestHeader/BillTo/ Address/PostalAddress/DeliverTo	No	Bill To Contact Name. 30 character length. If > 30 characters, will be truncated. This field is treated strictly as a name. It is strongly recommended that this field is not used for any other purpose.
			
			Field formatted/stored as a name:
			    First Name (14 char)
			    Middle Initial (1 char)
			    Last Name (15 char)

BillTo Street Address Line1	cXML/Request/OrderRequest/ OrderRequestHeader/BillTo/Address/ PostalAddress/Street	Yes	Bill To Street Address 1. 30 character length. If > 30 characters, will be truncated.
BillTo Street Address Line2	cXML/Request/OrderRequest/ OrderRequestHeader/BillTo/Address/ PostalAddress/Street	No	Bill To Street Address 2. 30 character length. If > 30 characters, will be truncated. If Bill To Street Address Line3 is provided, will be concatenated to Bill To Street Address Line2 and stored as Bill To Street Address Line2. Then truncated to 30 characters. Note: Dell only stores 2 Street Address lines with 30 characters each.
BillTo City	cXML/Request/OrderRequest/ OrderRequestHeader/BillTo/Address/ PostalAddress/City	Yes	Bill To City. If > 30 characters, will be truncated.
BillTo State/Province	cXML/Request/OrderRequest/ OrderRequestHeader/BillTo/ Address/PostalAddress/State	*Dependent on integration region	*Yes: Americas, Asia, Pacific, Japan *No: Europe, Middle East, Africa Bill To State. 2 letter state abbreviation.
BillTo Postal Code	cXML/Request/OrderRequest/ OrderRequestHeader/BillTo/Address/ PostalAddress/PostalCode	Yes	Bill To Postal Code. Length must be 5 or 9 digits.

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Purchase Order Specification (Customer sends to Dell) - continued

Field	cXML Mapping Information	Required	Validation / Notes
Credit Card Section			
Credit Card Number	cXML/Request/ OrderRequestHeader/ Payment/ PCard/@number	No	Credit Card type is determined by the first digit of the credit card number: 3=AMEX; 4=Visa; 5=MC; 6=Discover Length must be 16 digits for Visa/MC/Discover. Length must be 15 digits for AMEX. Customers can with these test Credit Card Numbers: • 311111111111111 (AMEX) • 4111111111111111 (Visa) • 5111111111111111 (MC) • 6111111111111111 (Discover)
Credit Card Expiration Date	cXML/Request/ OrderRequestHeader/ Payment/ PCard/@expiration	Yes, only if credit card number provided	Credit Card Expiration Date. Format YYYYMM
Credit Card Name	cXML/Request/ OrderRequestHeader/ Payment/ PCard/@name	No	Credit Card Holder Name.
Item Detail Section			
Line Item Number	cXML/Request/ OrderRequest/ItemOut/ @lineNumber	No	Line item number.
Quantity	cXML/Request/ OrderRequest/ItemOut/ @quantity	Yes	Line Item Quantity, can be changed from the quantity of the PunchOutOrder Message.
Part ID	cXML/Request/ OrderRequest/ItemOut/ ItemID/ SupplierPartID	Yes	Contains Line Item Dell Part Number (or SKU), from the PunchOutOrder Message. Oracle Users ONLY: This tag will contain the Cart ID rather than the Dell Part Number.
Cart ID	cXML/Request/ OrderRequest/ItemOut/ ItemID/ SupplierPartAuxiliaryID	Yes	Line Item Cart ID that is provided by Dell on the PunchOutOrder Message. This is required. 13 digit number followed by "\" and the line item number. For example, 1006910622287\1. For ORACLE Users ONLY: This tag is not required. The "Cart ID \ Line Item Number" should be sent in the cXML/Request/OrderRequest/ItemOut/ItemID/SupplierPartID tag.
Unit Price	cXML/Request/OrderRequest/ItemOut/ ItemDetail/UnitPrice/Money	Yes	Line Item Unit Price, from PunchOutOrder Message.
Currency	cXML/Request/OrderRequest/ItemOut/ ItemDetail/UnitPrice/Money @currency	Yes	Line item currency such as USD, CAN, EUR, etc.

Notes:

Comments	Dell does not process comments. As a standard, if comments are submitted on the PO, they will not be used.
Attachments	Dell does not support purchase orders with attachments. If attachments must be sent, the purchase order should be sent to Dell via email. Please discuss with your Dell Global Integration Architect.
PO Changes / Cancellations	Dell does not process purchase order changes or cancellations electronically. Please work with your Dell Sales Team for any changes or cancellations to your purchase order.

Purchase Order Sample – See Appendix 3 starting on page 14 for Sample(s)

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Purchase Order Acknowledgment (Dell sends to Customer)

Field	cXML Mapping Information	Validation / Notes
Status Code	cXML/Response/Status/@code	"200"=successful and accepted: "500"=rejected
Status Text	cXML/Response/Status/@text	If status code ="200" then the associated Purchase Order Number is provided; If status code ="500", then PO data and error description is provided.

Purchase Order Acknowledgement Sample – See Appendix 4 starting on page 15 for Sample(s)

Have questions or need help?
Please email Global_B2B_Support@dell.com

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Appendices

Appendix 1 – PunchOutSetupRequest Samples
Operation Type - CREATE

```xml
<cXML version="1.2.011" payloadID="2011-04-06T13:15:06.12349832.13284838@dell.com" timestamp="2011-04-06T13:15:06">
<Header>
  <From>
   <Credential domain="NetworkId">
    <Identity>YOURIDENTITY</Identity>
   </Credential>
  </From>
  <To>
   <Credential domain="DUNS">
    <Identity>128293714</Identity>
   </Credential>
  </To>
  <Sender>
   <Credential domain="NetworkId">
    <Identity>YOURIDENTITY</Identity>
    <SharedSecret>nopassword</SharedSecret>
   </Credential>
   <UserAgent>ERP</UserAgent>
  </Sender>
 </Header>
 <Request deploymentMode="test">
  <PunchOutSetupRequest operation="create">
   <BrowserFormPost>
    <URL>https://cart.dell.com/rcomm/postbackURL.asp</URL>
   </BrowserFormPost>
  </PunchOutSetupRequest>
 </Request> </cXML>
```

Operation Type - INSPECT

```xml
<cXML version="1.2.011" payloadID="2011-04-06T13:15:06.12349832.13284838@dell.com" timestamp="2011-04-06T13:15:06">
<Header>
  <From>
   <Credential domain="NetworkId">
    <Identity>YOURIDENTITY</Identity>
   </Credential>
  </From>
  <To>
   <Credential domain="DUNS">
    <Identity>128293714</Identity>
   </Credential>
  </To>
  <Sender>
   <Credential domain="NetworkId">
    <Identity>YOURIDENTITY</Identity>
    <SharedSecret>nopassword</SharedSecret>
   </Credential>
   <UserAgent>ERP</UserAgent>
  </Sender>
 </Header>
 <Request deploymentMode="test">
  <PunchOutSetupRequest operation="Inspect">
   <BrowserFormPost>
    <URL>https://cart.dell.com/rcomm/postbackURL.asp</URL>
   </BrowserFormPost>
   <ItemOut>
    <ItemID>

     <SupplierPartAuxiliaryID>1006910622287</SupplierPartAuxiliaryID>
    </ItemID>
   </ItemOut>
```

```
    </PunchOutSetupRequest>
  </Request> </cXML>
```

Operation Type - EDIT

```
<cXML version="1.2.011" payloadID="2011-04-06T13:15:06.12349832.13284838@dell.com" timestamp="2011-04-06T13:15:06">
<Header>
  <From>
   <Credential domain="NetworkId">
    <Identity>YOURIDENTITY</Identity>
   </Credential>
  </From>
  <To>
   <Credential domain="DUNS">
    <Identity>128293714</Identity>
   </Credential>
  </To>
  <Sender>
   <Credential domain="NetworkId">
    <Identity>YOURIDENTITY</Identity>
    <SharedSecret>nopassword</SharedSecret>
   </Credential>
   <UserAgent>ERP</UserAgent>
  </Sender>
</Header>
 <Request deploymentMode="test">
  <PunchOutSetupRequest operation="Edit">
   <BrowserFormPost>
    <URL>https://cart.dell.com/rcomm/postbackURL.asp</URL>
   </BrowserFormPost>
   <ItemOut>
    <ItemID>
     <SupplierPartAuxiliaryID>1006910622287</SupplierPartAuxiliaryID>
    </ItemID>
   </ItemOut>
  </PunchOutSetupRequest>
 </Request> </cXML>
```

Second PunchOut Site

```
<cXML version="1.2.011" payloadID="2011-04-06T13:15:06.12349832.13284838@dell.com" timestamp="2011-04-06T13:15:06">
<Header>
  <From>
   <Credential domain="NetworkId">
    <Identity>YOURIDENTITY</Identity>
   </Credential>
  </From>
  <To>
   <Credential domain="DUNS">
    <Identity>128293714</Identity>
   </Credential>
  </To>
  <Sender>
   <Credential domain="NetworkId">
    <Identity>YOURIDENTITY</Identity>
    <SharedSecret>nopassword</SharedSecret>
   </Credential>
   <UserAgent>ERP</UserAgent>
  </Sender>
</Header>
 <Request deploymentMode="test">
  <PunchOutSetupRequest operation="create">
   <BrowserFormPost>
    <URL>https://cart.dell.com/rcomm/postbackURL.asp</URL>
   </BrowserFormPost>
   <SelectedItem>
    <ItemID>
     <SupplierPartID>YOURSECONDID</SupplierPartID>
```

```
        </ItemID>
      </SelectedItem>
    </PunchOutSetupRequest>
  </Request> </cXML>
```

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Appendix 2 - PunchOutOrder Message Sample

```xml
<cXML version="1.1" payloadID="2011-04-06T13:15:06.12349832.13284838@dell.com" timestamp="2011-04-06T13:15:06">
<Header>
  <From>
   <Credential domain="DUNS">
    <Identity>128293714</Identity>
   </Credential>
  </From>
  <To>
   <Credential domain="NetworkId">
    <Identity>YOURIDENTITY</Identity>
   </Credential>
  </To>
  <Sender>
   <Credential domain="DUNS">
    <Identity>128293714</Identity>
    <SharedSecret>nopassword</SharedSecret>
   </Credential>
   <UserAgent>Dell cXML V1.1</UserAgent>
  </Sender>
 </Header>
 <Message deploymentMode="test">
  <PunchOutOrderMessage>
   <PunchOutOrderMessageHeader operationAllowed="edit">
    <Total>
     <Money currency="USD">1453.00</Money>
    </Total>
   </PunchOutOrderMessageHeader>
   <ItemIn quantity="1">
    <ItemID>
     <SupplierPartID>223-4511</SupplierPartID>
     <SupplierPartAuxiliaryID>1006910622287\1</SupplierPartAuxiliaryID>
</ItemID>
     <ItemDetail>
<UnitPrice>
      <Money currency="USD">1453.00</Money>
     </UnitPrice>
     <Description xml:lang="en">OptiPlex 755 Energy Smart Minitower</Description>
     <UnitOfMeasure>EA</UnitOfMeasure>
     <Classification domain="UNSPSC">43211507</Classification>
     <ManufacturerPartID></ManufacturerPartID>
     <ManufacturerName>Dell</ManufacturerName>
</ItemDetail>
    </ItemIn>
  </PunchOutOrderMessage>
 </Message> </cXML>
```

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Appendix 3 – Purchase Order Sample

```xml
<cXML version="1.2.011" payloadID="2011-04-06T13:15:06.12349832.13284838@dell.com" timestamp="2011-04-06T13:15:06">
<Header>
    <From>
        <Credential domain="NetworkId">
            <Identity>YOURIDENTITY</Identity>
        </Credential>
    </From>
    <To>
        <Credential domain="DUNS">
            <Identity>128293714</Identity>
        </Credential>
    </To>
    <Sender>
        <Credential domain="NetworkId">
            <Identity>YOURIDENTITY</Identity>
            <SharedSecret>nopassword</SharedSecret>
        </Credential>
        <UserAgent>ERP</UserAgent>
    </Sender>
</Header>
<Request deploymentMode="test">
    <OrderRequest>
        <OrderRequestHeader orderID="TESTPO1" orderDate="1/6/2009" type="new">
            <ShipTo>
                <Address>
                    <Name>ABC Company</Name>
                    <PostalAddress>
                        <DeliverTo>Joe Brown</DeliverTo>
                        <Street>123 Main Street</Street>
                        <Street>Bldg A, Floor 2</Street>
                        <City>Round Rock</City>
                        <State>TX</State>
                        <PostalCode>78681</PostalCode>
                        <Country isoCountryCode="US" />
                    </PostalAddress>
                    <Email>user@yourcompany.com</Email>
                    <Phone>
                        <TelephoneNumber>
                            <CountryCode />
                            <AreaOrCityCode>
                            </AreaOrCityCode>
                            <Number>800-555-5555</Number>
                        </TelephoneNumber>
                    </Phone>
                </Address>
            </ShipTo>
            <BillTo>
                <Address>
                    <Name>ABC Company</Name>
                    <PostalAddress>
                        <DeliverTo>Sandra Smith</DeliverTo>
                        <Street>349 East Lane</Street>
                        <Street>Floor 2, East Bldng</Street>
                        <City>Round Rock</City>
                        <State>TX</State>
                        <PostalCode>78681</PostalCode>
                        <Country isoCountryCode="US" />
                    </PostalAddress>
                    <Email>user@yourcompany.com</Email>
                    <Phone name="Work">
                        <TelephoneNumber>
                            <CountryCode />
                            <AreaOrCityCode>
                            </AreaOrCityCode>
                            <Number>800-555-5555</Number>
                        </TelephoneNumber>
                    </Phone>
```

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```
                </Address>
            </BillTo>

<!—Only needed for Credit Card Order (PCard). -->

            <Payment>
              <PCard expiration="200912" name="Corporate" number="4111111111111111">
              </PCard>
            </Payment>

        </OrderRequestHeader>
        <ItemOut quantity="1">
            <ItemID>
              <SupplierPartID>223-4511</SupplierPartID>
              <SupplierPartAuxiliaryID>1006910622287\1</SupplierPartAuxiliaryID>
</ItemID>
            <ItemDetail>
              <UnitPrice>
                 <Money currency="USD">1453.00</Money>
              </UnitPrice>
              <Description xml:lang="en">OptiPlex 755 Energy Smart Minitower</Description>
<UnitOfMeasure>EA</UnitOfMeasure>
              </ItemDetail>
          </ItemOut>
        </OrderRequest>
    </Request>
</cXML>
```

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Appendix 4 – Purchase Order Acknowledgment Samples

Purchase Order Acknowledgment (Accept - 200) Sample

```
<cXML version="1.1" payloadID="2011-04-06T13:15:06.12349832.13284838@dell.com" timestamp="2011-04-06T13:15:06">
  <Response>
    <Status code="200" text="PO = TESTPO1" />
  </Response> </cXML>
```

Purchase Order Acknowledgment (Reject - 500) Sample

```
<cXML version="1.1" payloadID="2011-04-06T13:15:06.12349832.13284838@dell.com" timestamp="2011-04-06T13:15:06">
<Header>
    <From>
      <Credential domain="NetworkId">
        <Identity>YOURIDENTITY</Identity>
      </Credential>
    </From>
    <To>
      <Credential domain="DUNS">
        <Identity>128293714</Identity>
      </Credential>
    </To>
    <Sender>
      <Credential domain="NetworkId">
       <Identity>YOURIDENTITY</Identity>
       <SharedSecret>nopassword</SharedSecret>
      </Credential>
      <UserAgent>ERP</UserAgent>
    </Sender>
  </Header>
  <Request deploymentMode="test">
    <OrderRequest>
      <OrderRequestHeader orderID="TESTPO1" orderDate="1/6/2009" type="new">
        <ShipTo>
          <Address>
            <Name>ABC Company</Name>
            <PostalAddress>
              <DeliverTo>Joe Brown</DeliverTo>
              <Street>123 Main Street</Street>
              <Street>Bldg A, Floor 2</Street>
              <City>Round Rock</City>
              <State>TX</State>
              <PostalCode>78681</PostalCode>
              <Country isoCountryCode="US" />
            </PostalAddress>
            <Email>user@yourcompany.com</Email>
            <Phone>
              <TelephoneNumber>
                <CountryCode />
                <AreaOrCityCode>
                </AreaOrCityCode>
                <Number>800-555-5555</Number>
              </TelephoneNumber>
            </Phone>
          </Address>
        </ShipTo>
        <BillTo>
          <Address>
            <Name>ABC Company</Name>
            <PostalAddress>
              <DeliverTo>Sandra Smith</DeliverTo>
              <Street>349 East Lane</Street>
              <Street>Floor 2, East Bldng</Street>
              <City>Round Rock</City>
              <State>TX</State>
              <PostalCode>78681</PostalCode>
              <Country isoCountryCode="US" />
            </PostalAddress>
```

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```
                      <Email>user@yourcompany.com</Email>
                      <Phone name="Work">
                        <TelephoneNumber>
                           <CountryCode />
                           <AreaOrCityCode>
                           </AreaOrCityCode>
                           <Number>800-555-5555</Number>
                        </TelephoneNumber>
                      </Phone>
                  </Address>
              </BillTo>
          </OrderRequestHeader>
          <ItemOut quantity="1">
              <ItemID>
                <SupplierPartID>223-4511</SupplierPartID>
                <SupplierPartAuxiliaryID>1006910622287\1</SupplierPartAuxiliaryID>
</ItemID>
              <ItemDetail>
                <UnitPrice>
                   <Money currency="USD">1453.00</Money>
                </UnitPrice>
                <Description xml:lang="en">OptiPlex 755 Energy Smart Minitower</Description>
                <UnitOfMeasure>EA</UnitOfMeasure>
              </ItemDetail>
          </ItemOut>
      </OrderRequest>
  </Request>
  <Response>
      <Status code="500" text="PO Number: TESTPO1 has already been processed." />
  </Response>
</cXML>
```

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Appendix 5 – Document Type Definition (DTD)

Mapping specifications follow the cXML industry standard.   For DTD, refer to www.cXML.org.

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