PremierConnect
B2B Mapping Specification

xCBL
v3.0
Purpose of Document

This document provides guidance and reference material to IT professionals to establish a PremierConnect (B2B) integration with Dell. Specifically, it provides xCBL purchase order mapping specifications to allow customers to exchange electronic purchase orders with Dell.

For more information, please refer to Dell’s PremierConnect B2B Integration Guide at http://www.dell.com/PremierConnect/B2B_Integration_Guide, contact your Global Integration Architect, email PremierConnect@dell.com, or visit www.dell.com/PremierConnect.

Transaction Sets Included in this Document

<table>
<thead>
<tr>
<th>Transaction Set</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purchase Order</td>
<td>The Purchase Order contains item-level product information and billing and shipping information.</td>
</tr>
<tr>
<td>Purchase Order Acknowledgement</td>
<td>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. This is provided for all electronic purchase orders.</td>
</tr>
<tr>
<td></td>
<td>• <strong>Status Code = ’200’</strong>:</td>
</tr>
<tr>
<td></td>
<td>o PO was successful.</td>
</tr>
<tr>
<td></td>
<td>o Response will include PO number.</td>
</tr>
<tr>
<td></td>
<td>o Dell will send 3 email notifications to the email address provided on the PO</td>
</tr>
<tr>
<td></td>
<td>(Order/OrderHeader/OrderParty/BuyerParty/Party/OrderContact/Contact/ListOfContactNumber/ContactNumber/ContactNumberValue where ContactNumberTypeCoded = ”EmailAddress”):</td>
</tr>
<tr>
<td></td>
<td>1. <strong>PO acknowledgement</strong> indicating that Dell received the order.</td>
</tr>
<tr>
<td></td>
<td>▪ Sent to customer when PO is received by Dell.</td>
</tr>
<tr>
<td></td>
<td>2. <strong>PO confirmation</strong> with Dell’s order number.</td>
</tr>
<tr>
<td></td>
<td>▪ Sent to customer when order is received into Dell’s Order Management System.</td>
</tr>
<tr>
<td></td>
<td>3. <strong>Ship notification</strong> indicating that the order has shipped and tracking information is included.</td>
</tr>
<tr>
<td></td>
<td>▪ Sent to customer when order is shipped.</td>
</tr>
<tr>
<td></td>
<td>• <strong>Status Code = ’500’</strong>:</td>
</tr>
<tr>
<td></td>
<td>o PO failed due to one or more issues.</td>
</tr>
<tr>
<td></td>
<td>o Response will contain the error description of the first error encountered.</td>
</tr>
<tr>
<td></td>
<td>o An email notification will be sent to the Dell Sales Rep to inform him/her of the failed B2B PO.</td>
</tr>
<tr>
<td>Purchase Order Response</td>
<td>If your organization requires, Dell can provide a Purchase Order Response to acknowledge receipt of an electronic purchase order. The Purchase Order Response is a system-to-system response (asynchronous) that contains all information from the associated electronic purchase order and a description line indicating if the order line items were accepted or rejected.</td>
</tr>
</tbody>
</table>

See page 9 for links to sample POAs

See page 8 for link to sample PO
Purchase Order Specification (Customer sends to Dell)

<table>
<thead>
<tr>
<th>Field</th>
<th>xCBL Mapping Information</th>
<th>Req’d</th>
<th>Validation / Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Authentication Section</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Customer UserID</td>
<td>/Order/OrderHeader/OrderParty/BuyerParty/Party/ListOfIdentifier/Identifier/Agency/Agency Description where Identifier/Agency/AgencyCodedOther = &quot;DellLogin&quot;</td>
<td>Yes</td>
<td>Dell will provide you with this value. This is the unique value that Dell uses to authenticate customer’s Purchase Order.</td>
</tr>
<tr>
<td>Password</td>
<td>/Order/OrderHeader/OrderParty/BuyerParty/Party/ListOfIdentifier/Identifier/Ident</td>
<td>No</td>
<td>If customer application requires a password, Dell can provide as needed. Dell does not require a password.</td>
</tr>
<tr>
<td>PO Section</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PO number</td>
<td>/Order/OrderHeader/OrderNumber/BuyerOrderNumber</td>
<td>Yes</td>
<td>Purchase Order Number.</td>
</tr>
<tr>
<td>Tax Status Section</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tax Status</td>
<td>/Order/OrderHeader/OrderAllowancesOrCharges/ListOfAllowOrCharge/AllowOrCharge/IndicatorCoded</td>
<td>No</td>
<td>• Charge = Taxable</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• NoCharge = Tax Exempt</td>
</tr>
</tbody>
</table>
### Purchase Order Specification (Customer sends to Dell) - continued

<table>
<thead>
<tr>
<th>Field</th>
<th>xCBL Mapping Information</th>
<th>Required</th>
<th>Validation / Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ship To Section</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ShipTo Organization Name</td>
<td><code>/Order/OrderHeader/OrderParty/ShipToParty/Party/NameAddress/Identifier/Agency/AgencyCodedOther</code></td>
<td>Yes</td>
<td>Ship To Organization Name. 30 character length. If &gt; 30 characters, will be truncated.</td>
</tr>
<tr>
<td>ShipTo Street Address Line1</td>
<td><code>/Order/OrderHeader/OrderParty/ShipToParty/Party/NameAddress/Street</code></td>
<td>Yes</td>
<td>Ship To Street Address 1. 30 character length. If &gt; 30 characters, will be truncated.</td>
</tr>
<tr>
<td>ShipTo Street Address Line2</td>
<td><code>/Order/OrderHeader/OrderParty/ShipToParty/Party/NameAddress/StreetSupplement1</code></td>
<td>No</td>
<td>Ship To Street Address 2. 30 character length. If &gt; 30 characters, will be truncated.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>If ShipTo Street Address Line3 is provided, will be concatenated to ShipTo Street Address Line2 and stored as Ship To Street Address Line2. Then truncated to 30 characters.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Note: Dell only stores 2 Street Address lines with 30 characters each.</td>
</tr>
<tr>
<td>ShipTo City</td>
<td><code>/Order/OrderHeader/OrderParty/ShipToParty/Party/NameAddress/City</code></td>
<td>Yes</td>
<td>Ship To City. If &gt; 30 characters, will be truncated.</td>
</tr>
<tr>
<td>ShipTo State/Province</td>
<td><code>/Order/OrderHeader/OrderParty/ShipToParty/Party/NameAddress/Region/RegionCoded</code></td>
<td><em>Dependent on integration region</em></td>
<td><em>Yes: Americas, Asia, Pacific, Japan</em></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><em>No: Europe, Middle East, Africa</em></td>
</tr>
<tr>
<td>ShipTo Postal Code</td>
<td><code>/Order/OrderHeader/OrderParty/ShipToParty/Party/NameAddress/PostalCode</code></td>
<td>Yes</td>
<td>Ship To Postal Code. Length must be 5 or 9 digits (US). Kah <em>Field requirements may vary based on region.</em></td>
</tr>
<tr>
<td>ShipTo Contact Name</td>
<td><code>/Order/OrderHeader/OrderParty/ShipToParty/Party/OrderContact/Contact/ContactName</code></td>
<td>Yes</td>
<td>Order and Ship To Contact Name. 30 character length. If &gt; 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.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Field formatted/stored as a name:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• First Name (14 char)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Middle Initial (1 char)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Last Name (15 char)</td>
</tr>
<tr>
<td>ShipTo Contact Phone</td>
<td><code>/Order/OrderHeader/OrderParty/ShipToParty/Party/OrderContact/Contact/ListOfContactNumber/ContactNumber/ContactNumberValue where ContactNumberTypeCoded = &quot;TelephoneNumber&quot;</code></td>
<td>Yes</td>
<td>Ship To Contact Phone Number. Length must be 10 digits (US). This number is used for shipping inquiries from the selected shipping carrier if needed at time of shipping.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><em>Field requirements may vary based on region.</em></td>
</tr>
<tr>
<td>Ship to Contact Email Address</td>
<td><code>/Order/OrderHeader/OrderParty/BuyerParty/Party/OrderContact/Contact/ListOfContactNumber/ContactNumber/ContactNumberValue where ContactNumberTypeCoded = &quot;EmailAddress&quot;</code></td>
<td><em>Dependent on integration region</em></td>
<td><em>Yes: Americas</em></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><em>No: Europe, Middle East, Africa, Asia, Pacific, Japan</em></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Ship To Contact Email address that will receive email order confirmations:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• PO Acknowledgement</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• PO Confirmation</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Ship Notification</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>For multiple email address, customer can send multiple values and separate with a &quot;,&quot;. (For example, <a href="mailto:jane_doe@dell.com">jane_doe@dell.com</a>;<a href="mailto:john_doe@dell.com">john_doe@dell.com</a>)</td>
</tr>
</tbody>
</table>

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.

As a standard, Dell supports one ship-to address per PO (from the PO Header Section). However, if multiple ship-to addresses per PO are required (from the PO line item Detail Section), please discuss with your Global Integration Architect.
### Purchase Order Specification (Customer sends to Dell) - continued

<table>
<thead>
<tr>
<th>Field</th>
<th>xCBL Mapping Information</th>
<th>Req’d</th>
<th>Validation / Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Shipping Method Section</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Shipping option</strong></td>
<td>/Order/OrderHeader/OrderTermsOfDelivery/ TermsOfDelivery/ TermsOfDeliveryFunctionCoded = “2D”, “ND”, “LC”, “DC” /Order/OrderHeader/ListOfTransport/ Transport/CarrierID/Identifier/Agency/ AgencyCoded</td>
<td>No</td>
<td>Shipping terms:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• 2D=2nd day</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• ND=Next Day</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• LC=Lowest Cost</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• DC=Designated Carrier</td>
</tr>
<tr>
<td><strong>Shipping Carrier name</strong></td>
<td>/Order/OrderHeader/ListOfTransport/Transport/ CarrierID/Identifier/Agency/AgencyCoded</td>
<td>Yes, if ship option is “DC”</td>
<td>If you have a designated carrier, then you will be required to provide a name for the designated carrier.</td>
</tr>
<tr>
<td><strong>Shipping Carrier Account</strong></td>
<td>/Order/OrderHeader/ListOfTransport/Transport/CustShippingContractNumber</td>
<td>Yes, if ship option is “DC”</td>
<td>If you have a designated carrier, then you will be required to provide an account number for the designated carrier.</td>
</tr>
<tr>
<td><strong>Shipping Method of Delivery</strong></td>
<td>/Order/OrderHeader/ListOfTransport/Transport/ TransportMeans/TransportMeansCoded</td>
<td>Yes, if ship option is “DC”</td>
<td>If you have a designated carrier, then you will be required to provide a shipping method of delivery.</td>
</tr>
<tr>
<td><strong>Bill To Section</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>BillTo Organization Name</strong></td>
<td>/Order/OrderHeader/OrderParty/BillToParty/Party/ NameAddress/Identifier/Agency/AgencyCoded</td>
<td>Yes</td>
<td>Bill To Organization Name. 30 character length. If &gt; 30 characters, will be truncated.</td>
</tr>
<tr>
<td><strong>BillTo Street Address Line1</strong></td>
<td>/Order/OrderHeader/OrderParty/BillToParty/Party/ NameAddress/Street</td>
<td>Yes</td>
<td>Bill To Street Address 1. 30 character length. If &gt; 30 characters, will be truncated.</td>
</tr>
<tr>
<td><strong>BillTo Street Address Line2</strong></td>
<td>/Order/OrderHeader/OrderParty/BillToParty/Party/ NameAddress/StreetSupplement1</td>
<td>No</td>
<td>Bill To Street Address 2. 30 character length. If &gt; 30 characters, will be truncated. If Bill To Street Address Line 3 is provided, will be concatenated to Bill To Street Address Line 2 and stored as Bill To Street Address Line 2. Then truncated to 30 characters. Note: Dell only stores 2 Street Address lines with 30 characters each.</td>
</tr>
<tr>
<td><strong>BillTo City</strong></td>
<td>/Order/OrderHeader/OrderParty/BillToParty/Party/ NameAddress/City</td>
<td>Yes</td>
<td>Bill To City. If &gt; 30 characters, will be truncated.</td>
</tr>
<tr>
<td><strong>BillTo State/Province</strong></td>
<td>/Order/OrderHeader/OrderParty/BillToParty/Party/ NameAddress/RegionRegionCoded</td>
<td><em>Depends on integration region</em></td>
<td>*Yes: Americas, Asia, Pacific, Japan  *No: Europe, Middle East, Africa  Bill To State. 2 letter state abbreviation or full state name. *Field requirements may vary based on region.</td>
</tr>
<tr>
<td><strong>BillTo Postal Code</strong></td>
<td>/Order/OrderHeader/OrderParty/BillToParty/Party/ NameAddress/PostalCode</td>
<td>Yes</td>
<td>Bill To Postal Code. Length must be 5 or 9 digits (US). *Field requirements may vary based on region.</td>
</tr>
<tr>
<td><strong>BillTo Country</strong></td>
<td>/Order/OrderHeader/OrderParty/BillToParty/Party/ NameAddress/Country/CountryCoded</td>
<td>Yes</td>
<td>Bill To Country.</td>
</tr>
<tr>
<td><strong>BillTo Contact Name</strong></td>
<td>/Order/OrderHeader/OrderParty/BillToParty/Party/ OrderContact/Contact/ContactName</td>
<td>No</td>
<td>Bill To Contact Name. 30 character length. If &gt; 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 requirements may vary based on region.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Field formatted/stored as a name:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• First Name (14 char)</td>
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<td></td>
<td></td>
<td></td>
<td>• Middle Initial (1 char)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Last Name (15 char)</td>
</tr>
<tr>
<td><strong>BillTo Phone</strong></td>
<td>/Order/OrderHeader/OrderParty/BillToParty/Party/ OrderContact/Contact/ListOfContactNumber/ ContactNumber/ContactNumberValue where ContactNumberTypeCoded = “TelephoneNumber”</td>
<td>Yes</td>
<td>Bill To Contact Phone Number. Length must be 10 digits (US). *Field requirements may vary based on region.</td>
</tr>
</tbody>
</table>
### Credit Card Section

<table>
<thead>
<tr>
<th>Field</th>
<th>xCBL Mapping Information</th>
<th>Req’d</th>
<th>Validation / Notes</th>
</tr>
</thead>
</table>
| Credit Card Identifier             | /Order/OrderHeader/OrderPaymentInstructions/      | Yes, only if payment method is credit card | Length must be 16 digits for Visa/MC/Discover. Length must be 15 digits for AMEX. Customers can test with these Credit Card Numbers:  
  - 3111111111111111 (AMEX)  
  - 4111111111111111 (Visa)  
  - 5111111111111111 (MC)  
  - 6111111111111111 (Discover) |
| Credit Card Number                 | /Order/OrderHeader/OrderPaymentInstructions/      | Yes, only if payment method is credit card | Length must be 16 digits for Visa/MC/Discover. Length must be 15 digits for AMEX. Customers can test with these Credit Card Numbers:  
  - 3111111111111111 (AMEX)  
  - 4111111111111111 (Visa)  
  - 5111111111111111 (MC)  
  - 6111111111111111 (Discover) |
| Credit Card Type                   | /Order/OrderHeader/OrderPaymentInstructions/      | Yes, only if credit card number provided | Credit Card type is determined by the first digit of the credit card number: 3=AMEX; 4=Visa; 5=MC; 6=Discover |
| Credit Card Expiration Date        | /Order/OrderHeader/OrderPaymentInstructions/      | Yes, only if credit card number provided | Credit Card Expiration Date. Format: YYYYMM |
| Credit Card Name                   | /Order/OrderHeader/OrderPaymentInstructions/      | Yes, only if credit card number provided | Credit Card Holder Name. Name should be > 30 characters in length. |
| Credit Card Reference Number       | /Order/OrderHeader/OrderPaymentInstructions/      | No          | This is your PO number, unless customization has been determined. If this field is blank, a purchase order number will be applied to the credit card number. |
| Credit Card CID (Customer Identification Code) | /Order/OrderHeader/OrderPaymentInstructions/ | Yes, only if credit card number provided | This is the customer identification code which provides additional authentication for your credit card. |

### Item Detail Section

<table>
<thead>
<tr>
<th>Field</th>
<th>xCBL Mapping Information</th>
<th>Req’d</th>
<th>Validation / Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Line Item Number</td>
<td>/Order/OrderDetail/ListOfItemDetail/ItemDetail/</td>
<td>No</td>
<td>Line item number.</td>
</tr>
<tr>
<td>Part ID</td>
<td>/Order/OrderDetail/ListOfItemDetail/ItemDetail/</td>
<td>No</td>
<td>Contains Line Item Dell Part Number (SKU), from the OrderRequest.</td>
</tr>
</tbody>
</table>
| Cart ID                            | /Order/OrderDetail/ListOfItemDetail/ItemDetail/   | Yes         | Line Item Cart ID that is provided by Dell on the OrderRequest. This is required.  
  13 digit number followed by "\" and the line item number. For example, 10069106222871. |
| Line Item Description              | /Order/OrderDetail/ListOfItemDetail/ItemDetail/   | Yes         |                                                                                                                                                    |
| Quantity                           | /Order/OrderDetail/ListOfItemDetail/ItemDetail/   | Yes         | Line Item Quantity, can be changed from the quantity of the OrderRequest.                                                                        |
| Unit Price                          | /Order/OrderDetail/ListOfItemDetail/ItemDetail/   | Yes         | Line Item Unit Price for each item, from OrderRequest.                                                                                          |
| Currency                            | /Order/OrderDetail/ListOfItemDetail/ItemDetail/   | Yes         | Line item currency such as USD, CAN, EUR, etc.                                                                                                   |

**Purchase Order Sample** - See page 9 for link to sample PO
Purchase Order Acknowledgment Specification (Dell sends to Customer)

<table>
<thead>
<tr>
<th>Field</th>
<th>xCBL Mapping Information</th>
<th>Validation / Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Status Text</td>
<td>PurchaseOrderAck/OrderAckResponse/OrderAckStatus</td>
<td>If status code = “200” then the associated Purchase Order Number is provided; If status code = “500”, then PO data and error description is provided.</td>
</tr>
<tr>
<td>PO Number</td>
<td>PurchaseOrderAck/OrderReference/BuyerRefNum/Reference/RefNum</td>
<td>PO Number from associated PO</td>
</tr>
<tr>
<td>Customer Reference Number</td>
<td>PurchaseOrderAck/OrderReference/ListOfReferenceCoded/ReferenceCoded/RefCode</td>
<td>Customer Reference Number from associated PO</td>
</tr>
</tbody>
</table>

Purchase Order Acknowledgement Samples – See page 9 for links to sample POAs

Purchase Order Response Specification (Dell sends to Customer)

<table>
<thead>
<tr>
<th>Field</th>
<th>xCBL Mapping Information</th>
<th>Validation / Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item Response</td>
<td>OrderResponseDetail/ListOfOrderResponseItemDetail/OrderResponseItemDetail/ItemDetailResponseCoded/</td>
<td>This will be indicated as “Item Accepted” or “Item Rejected”</td>
</tr>
</tbody>
</table>

Note: POR fields are dependent on PO fields. All data from the electronic PO will be provided back on the POR.

Purchase Order Response Sample – See page 9 for links to sample PORs

Have questions or need help?

**Questions**

**New PremierConnect (B2B) Requests:**
- Catalog
- Electronic PO
- eInvoicing
- Electronic Payment (EFT)
- Dell ProConsult

**Sales, Catalogs, Products, Pricing**

**Post Deployment Support**

**New Global Portal Request**

**Global Portal Technical Issues**

**Contact**

PremierConnect@dell.com

Dell Sales Team

Global_B2B_Support@dell.com  
or toll free (US) 877-542-3355  
(Mon-Fri 7:00 am-6:00 pm cst)

Global_Portal@dell.com

Global_Portal_Support@dell.com

If you require additional assistance integrating your procurement system with PremierConnect, Dell ProConsult* can help by providing on-site technical resources for B2B implementation.

*Not available in all regions.
# Dell Transaction Samples

<table>
<thead>
<tr>
<th>Transaction Samples</th>
<th>Link</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purchase Order</td>
<td><a href="http://www.dell.com/premierconnect/xcbl/PO_sample">www.dell.com/premierconnect/xcbl/PO_sample</a></td>
</tr>
<tr>
<td>Purchase Order Acknowledgement (Successful PO - “200”)</td>
<td><a href="http://www.dell.com/premierconnect/xcbl/POA_sample_successful">www.dell.com/premierconnect/xcbl/POA_sample_successful</a></td>
</tr>
<tr>
<td>Purchase Order Acknowledgement (Unsuccessful PO - “500”)</td>
<td><a href="http://www.dell.com/premierconnect/xcbl/POA_sample_unsuccessful">www.dell.com/premierconnect/xcbl/POA_sample_unsuccessful</a></td>
</tr>
<tr>
<td>Purchase Order Response</td>
<td><a href="http://www.dell.com/premierconnect/xcbl/POR_sample">www.dell.com/premierconnect/xcbl/POR_sample</a></td>
</tr>
<tr>
<td>Data Type Definition (DTD)</td>
<td>Refer to <a href="http://www.xCBL.org">http://www.xCBL.org</a></td>
</tr>
</tbody>
</table>