

xCBL PO mapping specifications

Abstract

xCBL purchase order mapping specifications to allow customers to exchange electronic purchase orders with Dell.

April 2024

Revisions

Date	Description
April 2011	Initial release.
April 2024	Revision in accordance with Dell Brand guidelines

Introduction

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

For more information, contact your Dell Technologies Global Integration Architect, or visit our learn page on Dell Technologies

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1 Transaction Sets Included in this Document

<p>Purchase Order</p> <p>See page 8 for link to sample PO</p>	<p>The Purchase Order contains item-level product information and billing and shipping information.</p>
<p>Purchase Order Acknowledgement</p> <p>See page 8 for links to sample POAs</p>	<p>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.</p> <ul style="list-style-type: none">• Status Code = “200”:<ul style="list-style-type: none">○ PO was successful.○ Response will include PO number.○ Dell will send 3 email notifications to the email address provided on the PO (Order/Order-Header/OrderParty/BuyerParty/Party/OrderContact/Contact/ListOfContactNumber/ContactNumber/ContactNumberValue where ContactNumberTypeCoded = "EmailAddress"):<ol style="list-style-type: none">1. PO acknowledgement indicating that Dell received the order.<ul style="list-style-type: none">▪ Sent to customer when PO is received by Dell.2. PO confirmation with Dell’s order number.<ul style="list-style-type: none">▪ Sent to customer when order is received into Dell’s Order Management System.3. Ship notification indicating that the order has shipped and tracking information is included.<ul style="list-style-type: none">▪ Sent to customer when order is shipped.• Status Code = “500”:<ul style="list-style-type: none">○ PO failed due to one or more issues.○ Response will contain the error description of the first error encountered.○ An email notification will be sent to the Dell Sales Rep to inform him/her of the failed B2B PO.
<p>Purchase Order Response</p> <p>See page 8 for link to sample POR</p>	<p>If your organization requires, Dell can provide a Purchase Order Response to acknowledge receipt of an electronic purchase order.</p> <p>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.</p>

1.1 Purchase Order Specification (Customer sends to Dell)

Field	xCBL Mapping Information	Req'd	Validation / Notes
Authentication Section			
Customer UserID	/Order/OrderHeader/OrderParty/BuyerParty/Party/ListOfIdentifier/Identifier/Agency/ Agency Description where Identifier/Agency/AgencyCodedOther ="DellLogin"	Yes	Dell will provide you with this value. This is the unique value that Dell uses to authenticate customer's Purchase Order.
Password	/Order/OrderHeader/OrderParty/BuyerParty/ Party/ListOfIdentifier/Identifier/Ident	No	If customer application requires a password, Dell can provide as needed. Dell does not require a password.
PO Section			
PO number	/Order/OrderHeader/OrderNumber/ BuyerOrderNumber	Yes	Purchase Order Number.
Tax Status Section			
Tax Status	/Order/OrderHeader/OrderAllowancesOrCharges /ListOfAllowOrCharge/AllowOrCharge/ IndicatorCoded	No	<ul style="list-style-type: none"> • Charge = Taxable • NoCharge = Tax Exempt

1.1 Purchase Order Specification (Customer sends to Dell) – contd.

Field	xCBL Mapping Information	Req'd	Validation / Notes
Ship To Section			
ShipTo Organization Name	/Order/OrderHeader/OrderParty/ShipToParty/Party/NameAddress/Identifier/Agency/AgencyCodedOther	Yes	Ship To Organization Name. 30 character length. If > 30 characters, will be truncated.
ShipTo Street Address Line1	/Order/OrderHeader/OrderParty/ShipToParty/Party/NameAddress/Street	Yes	Ship To Street Address 1. 30 character length. If > 30 characters, will be truncated.
ShipTo Street Address Line2	/Order/OrderHeader/OrderParty/ShipToParty/Party/NameAddress/StreetSupplement1	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	/Order/OrderHeader/OrderParty/ShipToParty/Party/NameAddress/City	Yes	Ship To City. If > 30 characters, will be truncated.
ShipTo State/Province	/Order/OrderHeader/OrderParty/ShipToParty/Party/NameAddress/Region/RegionCoded	*Dependent on integration region	*Yes: Americas, Asia, Pacific, Japan *No: Europe, Middle East, Africa Ship To State. 2 letter state abbreviation or full state name.
ShipTo Postal Code	/Order/OrderHeader/OrderParty/ShipToParty/Party/NameAddress/PostalCode	Yes	Ship To Postal Code. Length must be 5 or 9 digits (US). *Field requirements may vary based on region.
ShipTo Country	/Order/OrderHeader/OrderParty/ShipToParty/Party/NameAddress/Country/CountryCoded	Yes	Ship To Country.
ShipTo Contact Name	/Order/OrderHeader/OrderParty/ShipToParty/Party/OrderContact/Contact/ContactName	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: <ul style="list-style-type: none"> • First Name (14 char) • Middle Initial (1 char) • Last Name (15 char)
ShipTo Contact Phone	/Order/OrderHeader/OrderParty/ShipToParty/Party/OrderContact/Contact/ListOfContactNumber/ContactNumber/ContactNumberValue where ContactNumberTypeCoded = "TelephoneNumber"	Yes	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. *Field requirements may vary based on region.
Ship to Contact Email Address	/Order/OrderHeader/OrderParty/BuyerParty/Party/OrderContact/Contact/ListOfContactNumber/ContactNumber/ContactNumberValue where ContactNumberTypeCoded = "EmailAddress"	*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: <ul style="list-style-type: none"> • PO Acknowledgement • PO Confirmation • Ship Notification For multiple email address, customer can send multiple values and separate with a ";". (For 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.

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 I Integration Architect

1.1 Purchase Order Specification (Customer sends to Dell) – contd.

Field	xCBL Mapping Information	Req'd	Validation / Notes
Shipping Method Section			
Shipping option	/Order/OrderHeader/OrderTermsOfDelivery/TermsOfDelivery/TermsOfDeliveryFunctionCoded = "2D","ND", "LC","DC"/Order/OrderHeader/ListOfTransport/Transport/CarrierID/Identifier/Agency/ AgencyCoded	No	Shipping terms: <ul style="list-style-type: none"> • 2D=2nd day • ND=Next Day • LC =Lowest Cost • DC=Designated Carrier
Shipping Carrier name	/Order/OrderHeader/ListOfTransport/Transport/CarrierID/Identifier/Agency/AgencyCoded	Yes, if ship option is "DC"	If you have a designated carrier, then you will be required to provide a name for the designated carrier.
Shipping Carrier Account	/Order/OrderHeader/ListOfTransport/Transport/CustShippingContractNumber	Yes, if ship option is "DC"	If you have a designated carrier, then you will be required to provide a account number for the designated carrier.
Shipping Method of Delivery	/Order/OrderHeader/ListOfTransport/Transport/TransportMeans/TransportMeansCoded	Yes, if ship option is "DC"	If you have a designated carrier, then you will be required to provide a shipping method of delivery.
Bill To Section			
BillTo Organization Name	/Order/OrderHeader/OrderParty/BillToParty/Party/NameAddress/Identifier/Agency/Agency CodedOther	Yes	Bill To Organization Name. 30 character length. If > 30 characters, will be truncated.
BillTo Street Address Line1	/Order/OrderHeader/OrderParty/BillToParty/Party/NameAddress/Street	Yes	Bill To Street Address 1. 30 character length. If > 30 characters, will be truncated.
BillTo Street Address Line2	/Order/OrderHeader/OrderParty/BillToParty/Party/NameAddress/StreetSupplement1	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	/Order/OrderHeader/OrderParty/BillToParty/Party/NameAddress/City	Yes	Bill To City. If > 30 characters, will be truncated.
BillTo State/Province	/Order/OrderHeader/OrderParty/BillToParty/Party/NameAddress/RegionRegionCoded	*Dependent on integration region	*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.
BillTo Postal Code	/Order/OrderHeader/OrderParty/BillToParty/Party/NameAddress/PostalCode	Yes	Bill To Postal Code. Length must be 5 or 9 digits (US). *Field requirements may vary based on region.
BillTo Country	/Order/OrderHeader/OrderParty/BillToParty/Party/NameAddress/Country/CountryCoded	Yes	Bill To Country.
BillTo Contact Name	/Order/OrderHeader/OrderParty/BillToParty/Party/OrderContact/Contact/ContactName	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: <ul style="list-style-type: none"> • First Name (14 char) • Middle Initial (1 char) • Last Name (15 char)
BillTo Phone	/Order/OrderHeader/OrderParty/BillToParty/Party/OrderContact/Contact/ListOfContactNumber/ContactNumber/ContactNumberValue where ContactNumberTypeCoded = "TelephoneNumber"	Yes	Bill To Contact Phone Number. Length must be 10 digits (US). *Field requirements may vary based on region.

1.1 Purchase Order Specification (Customer sends to Dell) – contd.

Field	xCBL Mapping Information	Req'd	Validation / Notes
Credit Card Section			
Credit Card Identifier	/Order/OrderHeader/OrderPaymentInstructions/PaymentInstructions/PaymentMethod/PaymentMeanCoded = "CreditCard"	Yes, only if payment method is credit card	
Credit Card Number	/Order/OrderHeader/OrderPaymentInstructions/PaymentInstructions/PaymentMethod/CardInfo/CardNum	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: <ul style="list-style-type: none"> • 3111111111111111 (AMEX) • 4111111111111111 (Visa) • 5111111111111111 (MC) • 6111111111111111 (Discover)
Credit Card Type	/Order/OrderHeader/OrderPaymentInstructions/PaymentInstructions/PaymentMethod/CardInfo/CardType	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/PaymentInstructions/PaymentMethod/CardInfo/CardExpirationDate	Yes, only if credit card number provided	Credit Card Expiration Date. Format YYYYMM
Credit Card Name	/Order/OrderHeader/OrderPaymentInstructions/PaymentInstructions/PaymentMethod/CardInfo/CardHolderName	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/PaymentInstructions/PaymentMethod/CardInfo/CardRefNum	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 card reference number field.
Credit Card CID (Customer Identification Code)	/Order/OrderHeader/OrderPaymentInstructions/PaymentInstructions/PaymentMethod/CardInfo/CardAuthCode	Yes, only if credit card number provided	This is the customer identification code which provides additional authentication for your credit card.
Item Detail Section			
Line Item Number	/Order/OrderDetail/ListOfItemDetail/ItemDetail/BaseltemDetail/LineltemNum/BuyerLineltemNum	No	Line item number.
Part ID	/Order/OrderDetail/ListOfItemDetail/ItemDetail/BaseltemDetail/ItemIdentifiers/PartNumbers/SellerPartNumber/PartNum/PartID	No	Contains Line Item Dell Part Number (SKU), from the OrderRequest.
Cart ID	/Order/OrderDetail/ListOfItemDetail/ItemDetail/BaseltemDetail/ItemIdentifiers/PartNumbers/SellerPartNumber/PartNum/PartIDExt	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, 1006910622287\1.
Line Item Description	/Order/OrderDetail/ListOfItemDetail/ItemDetail/BaseltemDetail/ItemIdentifiers/ItemDescription	Yes	
Quantity	/Order/OrderDetail/ListOfItemDetail/ItemDetail/BaseltemDetail/TotalQuantity/Quantity/QuantityV Alue	Yes	Line Item Quantity, can be changed from the quantity of the OrderRequest.
Unit Price	/Order/OrderDetail/ListOfItemDetail/ItemDetail/PricingDetail/ListOfPrice/Price/UnitPrice/UnitPriceValue	Yes	Line Item Unit Price for each item, from OrderRequest.
Currency	/Order/OrderDetail/ListOfItemDetail/ItemDetail/PricingDetail/ListOfPrice/Price/UnitPrice/Currency/CurrencyCoded	Yes	Line item currency such as USD, CAN, EUR, etc.

Purchase Order Sample - See page 8 for link to sample PO

1.2 Purchase Order Acknowledgment Specification (Dell sends to Customer)

Field	xCBL Mapping Information	Validation / Notes
Status Code	PurchaseOrderAck/OrderAckResponse/OrderAckStatus/@OrderAckCode	"200"=successful and accepted; "500"=rejected
Status Text	PurchaseOrderAck/OrderAckResponse/OrderAckStatus	If status code ="200" then the associated Purchase Order Number is provided; If status code ="500", then PO data and error description is provided.
PO Number	PurchaseOrderAck/OrderReference/BuyerRefNum/Reference/RefNum	PO Number from associated PO
Customer Reference Number	PurchaseOrderAck/OrderReference/ListOfReferenceCoded/ReferenceCoded/ RefCode	Customer Reference Number from associated PO

Purchase Order Acknowledgement Samples – See page 8 for links to sample POAs

1.3 Purchase Order Response Specification (Dell sends to Customer)

Field	xCBL Mapping Information	Validation / Notes
Item Response	OrderResponseDetail/ListOfOrderResponseItemDetail/OrderResponseItemDetail/ItemDetailResponseCoded/	This will be indicated as "Item Accepted" or "Item Rejected"

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 8 for links to sample POR

2 Dell Transaction Samples

Transaction Samples	Link
Purchase Order	PO Sample xCBL - Dell Premier Procurement Integration
Purchase Order Acknowledgement (Successful PO - "200")	POA Sample Successful xCBL - Dell Premier Procurement Integration
Purchase Order Acknowledgement (Unsuccessful PO - "500")	POA Sample Unsuccessful xCBL - Dell Premier Procurement Integration
Purchase Order Response	POR Sample xCBL - Dell Premier Procurement Integration

3 Have questions or need help?

Question Type	Contact
New PremierConnect (B2B) Requests: <ul style="list-style-type: none">• Catalog• Electronic PO• eInvoicing*• Electronic Payment (EFT)	Contact your Dell Sales Team
Sales, Catalogs, Products, Pricing	Contact your Dell Sales Team
Post-Deployment Support	PremierHelpdesk@dell.com
New Global Portal request	PremierHelpdesk@dell.com
Global Portal technical issues	PremierHelpdesk@dell.com

*Not available in all regions.