



Real-Time Purchase Order Request & Response XML Specification

USA and Canada

Revision History

Version	Description	Revised By
3.36 (11/10/2014)	- XML Formatting for better readability and contact info updates	Anand Pathak
3.35 (01/06/2014)	- Added remarks to field HDR-17, special use only, requires pre-approval to use.	Donovan A. Smith
3.34 (05/31/2013)	- Updates to SYNEX Warehouse Locations (Canada)	Donovan A. Smith
3.33 (05/14/2010)	- Updates to SYNEX Warehouse Locations	Donovan A. Smith
3.32 (03/15/2010)	- Removal of Field # BT-00 "BillTo" Account Tag <BillTo code="Acct #">	Donovan A. Smith
3.31 (03/15/2009)	Addition of Appendix F, removal of HTTP:// URL reference, addition of <SpecialPriceReferenceNumber> at item level.	Donovan A. Smith
3.31 (10/31/2008)	- Update of content, warehouses, etc.	Donovan A. Smith
3.30 (02/07/2008)	- Removal of Payment Terms Identifiers (Redundant Tag)	Donovan A. Smith
3.20 (08/13/2007)	- Updates to SYNEX Warehouse Locations	Donovan A. Smith
3.20 (11/10/2005)	- Layout changes and content updates, Version Number document control implemented. See Details in Field Details section.	Donovan A. Smith
3.11 (05/12/2005)	- Added <TradeInCredit> , <BillToAttn> and <ManufacturerPartNumber>, these 3 tag are optional and only used by special customers - Corrected the Required/Optional flag of Credit Card tags	Derrick Lin
3.10 (01/28/2005)	- Added End User Billing data. - Added more optional data elements support by SYNEX' new order entry system engine 'CPOP'. (e.g. <BackOrderflag>, <ShipComplete>, etc) - Enhanced example files and SYNEX internal mapping - Added 'Time Out' error message which is a new feature deployed in 3Q'2004. - Added Miami warehouse in warehouse list	Derrick Lin
3.00 (09/09/2003)	This version of document is to be used together with our new URL ec.synnex.com/SynnexXML/PO The new URL can handle Software License PO and is intent for all the existing customers who are using old URL (b2bprod.synnex.com) to be able to migrate over seamlessly. Therefore it is compatible with old URL with the exception of reject error message. We also consolidated PO response into this spec, to make it easier for customer to evaluate and implement.	Derrick Lin Jeff Maclean
2.04 (06/12/2003)	Changed the SYNEX internal mapping of <OrderType>	Derrick Lin
2.03 (03/18/2003)	Enhanced 'Required' column in Data Definition.	Derrick Lin
1.10 (05/27/2002)	Added <ResellerComment> , removed <ShipFromWarehouse>	Derrick Lin
1.00 (04/04/2002)	First release to customers	Hiroshi Yamagishi

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Overview

Without too many technical details, this document was prepared in a more intuitive format to introduce SYNEX' XML capability and requirements and is intended not only for our customers' IT team but also for the business team.

If our customers' IT team needs more technical details, such as XML DTD or XML Schema, the IT-version specs are also available upon request.

At the end of this document, we also provided a how-to for our customers to submit a test XML PO and receive XML PO Response. This is a great tool for our customers to test XML even before their system development and integration is completed.

Having read this document, you will find XML implementation is not as difficult as expected, and you will find that implementation of the EDI/XML partnership with SYNEX is rather enjoyable.

It is our pleasure to offer this service to our customers. As XML is still relatively new in the industry, there is more room for improvement. We would like to invite you to grow with us in this field of XML. Please do not hesitate to provide us with any comments or feedback.

SYNEX XML/Web services Dept. (XMLGroup@synnex.com)

Examples

1. A Simple PO with only required data elements in it, one PO line.

```
<?xml version="1.0" encoding="UTF-8"?>
<SynnexB2B>
  <Credential>
    <UserID>YOUR ID</UserID>
    <Password>YOUR PASSWORD</Password>
  </Credential>
  <OrderRequest>
    <CustomerNumber>YOUR ACCOUNT NUMBER</CustomerNumber>
    <PONumber>1130878166261</PONumber>
    <DropShipFlag>N</DropShipFlag>
    <Shipment>
      <ShipFromWarehouse>2</ShipFromWarehouse>
      <ShipTo>
        <AddressName1>Manners Industry, Inc.</AddressName1>
        <AddressName2 />
        <AddressLine1>118 Clarence Street</AddressLine1>
        <City>Fredericksburg</City>
        <State>VA</State>
        <ZipCode>22407</ZipCode>
        <Country>US</Country>
      </ShipTo>
      <ShipToContact>
        <ContactName>Edwin D Manners</ContactName>
        <PhoneNumber>541-785-0923</PhoneNumber>
        <EmailAddress>ed@manners.com</EmailAddress>
      </ShipToContact>
      <ShipMethod>
        <Code>FX</Code>
      </ShipMethod>
    </Shipment>
    <Payment>
      <BillTo code="YOUR ACCOUNT NUMBER"></BillTo>
    </Payment>
    <EndUserPONumber>75654</EndUserPONumber>
    <Comment>Please ship this ASAP!</Comment>
  </OrderRequest>
</SynnexB2B>
```

2. PO with all the optional tags in it, 2 PO lines (exclude SWL and EU tags)

```
<?xml version="1.0" encoding="UTF-8" ?>
<SynnexB2B>
  <Credential>
    <UserID>YOUR ID</UserID>
    <Password>YOUR PASSWORD</Password>
  </Credential>
  <OrderRequest>

    <CustomerNumber>YOUR ACCOUNT NUMBER</CustomerNumber>
    <PONumber>XMLTEST-075419820</PONumber>

    <PODateTime>2004-03-28T08:22:11</PODateTime>
    <ExpectedDate>2004-03-30</ExpectedDate>
    <ExpectedShipDate>2004-04-19</ExpectedShipDate>

    <DropShipFlag>Y</DropShipFlag>
    <SpecialHandle>Y</SpecialHandle>
    <BackOrderFlag>Y</BackOrderFlag>
    <BackOrderWarehouseSelection>FIRST</BackOrderWarehouseSelection>

    <ShipComplete>Y</ShipComplete>
    <POLineShipComplete>Y</POLineShipComplete>

    <WarehouseSplit>N</WarehouseSplit>
    <ShipFromWarehouse>4</ShipFromWarehouse>

    <SpecialPriceType>VendorPromotion</SpecialPriceType>
    <SpecialPriceReferenceNumber>DN012345</SpecialPriceReferenceNumber>
    <SynnexB2BAssignedID>60020</SynnexB2BAssignedID>

  <Shipment>
    <ShipTo>
      <AddressName1>DUDE UNIVERSITY</AddressName1>
      <AddressName2>MEDICAL SCHOOL</AddressName2>
      <AddressLine1>3687 UNIVERSITY AVE. </AddressLine1>
      <AddressLine2>ROOM 502</AddressLine2>
      <City>FREMONT</City>
      <State>CA</State>
      <ZipCode>94539</ZipCode>
      <Country>US</Country>
    </ShipTo>

    <ShipToContact>
      <ContactName>Kevin Lee</ContactName>
      <PhoneNumber>510 668 3488</PhoneNumber>
      <EmailAddress>kevinlee@dude.edu</EmailAddress>
    </ShipToContact>

    <ShipMethod>
      <Code>F2</Code>
      <Description>FedEx 2Day</Description>
    </ShipMethod>

    <FreightAccountNumber>987654</FreightAccountNumber>
  </Shipment>
```

```

<Payment>
  <BillTo code="YOUR ACCOUNT NUMBER">
    <AddressName1>COMPUTER INCREDIBLE</AddressName1>
    <AddressName2>ACCOUNT PAYABLE</AddressName2>
    <AddressLine1>4000 POWEL ST. </AddressLine1>
    <AddressLine2>SUITE 200</AddressLine2>
    <City> EMERYVILLE</City>
    <State>CA</State>
    <ZipCode>94608</ZipCode>
    <Country>US</Country>
    <SynnexLocationNumber>23</SynnexLocationNumber>
  </BillTo>

  <PaymentTerm code="NET30">NET 30 IBM CC</PaymentTerm>

  <CreditCard>
    <Type>VISA</Type>
    <Number>983498673456123</Number>
    <ExpirationMonth>02</ExpirationMonth>
    <ExpirationYear>05</ExpirationYear>
    <FirstName>MICHAEL</FirstName>
    <LastName>RICH</LastName>
    <AddressLine1>123 NEVERLAND DR. </AddressLine1>
    <AddressLine2>SUITE 200</AddressLine2>
    <City>SANTA BARBARA</City>
    <State>CA</State>
    <ZipCode>34056</ZipCode>
    <Country>US</Country>
    <Phone>5101234567</Phone>
  </CreditCard>
</Payment>

<EndUserPONumber>108-3421</EndUserPONumber>
<Comment>This PO is what we talked in yesterday conference call</Comment>
<Comment>Call me in case you can not deliver this PO on time </Comment>
<ShipComment>referencenumber: ABCDEF</ShipComment>
<ShipComment>Receiving dock reference number: 345GD32</ShipComment>

<Items>
  <Item lineNumber="1">
    <SKU>1964624</SKU>
    <CustomerPartNumber>Customer Part Number</CustomerPartNumber>
    <ProductName>EPHOME USE 11.0 STD LIC EXP BAND F</ProductName>
    <UnitPrice>3.88</UnitPrice>
    <OrderQuantity>1</OrderQuantity>
    <Comment>this is comment 1 of PO line1</Comment>
    <Comment>this is comment 2 of PO line1</Comment>
    <ShipFromWarehouse>2</ShipFromWarehouse>
    <SpecialPriceReferenceNumber>DN012345</SpecialPriceReferenceNumber>
  </Item>
  <Item lineNumber="2">
    <SKU>1703750</SKU>
    <CustomerPartNumber>Customer Part Number</CustomerPartNumber>
    <ProductName>0Enterprise 2007 English OLP NL</ProductName>
    <UnitPrice>514.10</UnitPrice>
    <OrderQuantity>1</OrderQuantity>
    <Comment>this is comment 1 of PO line2</Comment>
    <Comment>this is comment 2 of PO line2</Comment>
  </Item>
</Items>

```

```
        <ShipFromWarehouse>2</ShipFromWarehouse>
        <SpecialPriceReferenceNumber>DN012345</SpecialPriceReferenceNumber>
    </Item>
</Items>
</OrderRequest>
</SynnexB2B>
```


3. Submission of Software License PO with Licensee Information and Authorization included

```
<?xml version="1.0" encoding="UTF-8"?>
<SynnexB2B>
  <Credential>
    <UserID>YOUR ID</UserID>
    <Password>YOUR PASSWORD</Password>
  </Credential>
  <OrderRequest>
    <CustomerNumber>YOUR ACCOUNT NUMBER</CustomerNumber>
    <PONumber>1130878166323</PONumber>
    <PODateTime>2004-03-28T08:22:11</PODateTime>
    <ExpectedDate>2004-04-01</ExpectedDate>
    <DropShipFlag>Y</DropShipFlag>
    <Customer>
      <AddressName1>COMPUTER INCREDIBLE</AddressName1>
      <AddressName2>PURCHASING DEPT. </AddressName2>
      <AddressLine1>4000 POWEL ST. </AddressLine1>
      <AddressLine2>SUITE 200</AddressLine2>
      <City>EMERYVILLE</City>
      <State>CA</State>
      <ZipCode>94608</ZipCode>
      <Country>US</Country>
      <CustomerContact>
        <ContactName>Jeff D. Smith</ContactName>
        <PhoneNumber>217 668 3488</PhoneNumber>
        <FaxNumber>217 668 3489</FaxNumber>
        <EmailAddress>jeffsmith@computeruniverse.com</EmailAddress>
      </CustomerContact>
    </Customer>
    <Shipment>
      <ShipTo>
        <AddressName1>DUDE UNIVERSITY</AddressName1>
        <AddressName2>MEDICAL SCHOOL</AddressName2>
        <AddressLine1>3687 UNIVERSITY AVE. </AddressLine1>
        <AddressLine2>ROOM 502</AddressLine2>
        <City>FREMONT</City>
        <State>CA</State>
        <ZipCode>94539</ZipCode>
        <Country>US</Country>
      </ShipTo>
      <ShipToContact>
        <ContactName>Kevin Lee</ContactName>
        <PhoneNumber>510 668 3488</PhoneNumber>
        <EmailAddress>kevinlee@dude.edu</EmailAddress>
      </ShipToContact>
      <ShipMethod>
        <Code>F2</Code>
        <Description>FedEx 2 Day</Description>
      </ShipMethod>
      <FreightAccountNumber>987654</FreightAccountNumber>
    </Shipment>
    <Payment>
      <BillTo code="YOUR ACCOUNT NUMBER">
```

```

    <AddressName1>COMPUTER INCREDIBLE</AddressName1>
    <AddressName2>ACCOUNT PAYABLE</AddressName2>
    <AddressLine1>4000 POWEL ST. </AddressLine1>
    <AddressLine2>SUITE 200</AddressLine2>
    <City>EMERYVILLE</City>
    <State>CA</State>
    <ZipCode>94608</ZipCode>
    <Country>US</Country>
  </BillTo>
</Payment>
<EndUserPONumber>108-3421</EndUserPONumber>
<SoftwareLicense>
  <AuthorizationNumber>GDF56783</AuthorizationNumber>
  <ReOrder>Y</ReOrder>
  <Licensee>
    <AddressName1>DUDE UNIVERSITY</AddressName1>
    <AddressName2>MEDICAL SCHOOL</AddressName2>
    <AddressLine1>3687 UNIVERSITY AVE. </AddressLine1>
    <AddressLine2>ROOM 502</AddressLine2>
    <City>FREMONT</City>
    <State>CA</State>
    <ZipCode>94539</ZipCode>
    <Country>US</Country>
    <LicenseeContact>
      <ContactName>John Thomson, M.D.</ContactName>
      <PhoneNumber>510 668 3488</PhoneNumber>
      <FaxNumber>510 668 3488</FaxNumber>
      <EmailAddress>johnthomson@dude.edu</EmailAddress>
    </LicenseeContact>
  </Licensee>
</SoftwareLicense>
<Comment>This PO is what we talked in yesterday's conference call</Comment>
<Comment>Call me in case you can not deliver this PO on time</Comment>
<ShipComment>reference number: ABCDEF</ShipComment>
<ShipComment>Receiving dock reference number: 345GD32</ShipComment>
<Items>
  <Item LineNumber="1">
    <SKU>108725</SKU>
    <CustomerPartNumber>ABCD-1001</CustomerPartNumber>
    <ProductName>ONL Office XP Pro</ProductName>
    <UnitPrice>399.50</UnitPrice>
    <OrderQuantity>1</OrderQuantity>
    <Comment>this is comment 1 of PO line1</Comment>
    <Comment>this is comment 2 of PO line1</Comment>
    <ShipFromWarehouse>2</ShipFromWarehouse>
  </Item>
  <Item LineNumber="2">
    <SKU>101718</SKU>
    <CustomerPartNumber>myPartNumber</CustomerPartNumber>
    <ProductName>Windows Svr Std 2k3 Eng OLP NL AE</ProductName>
    <UnitPrice>199.00</UnitPrice>
    <OrderQuantity>1</OrderQuantity>
    <Comment>this is comment 1 of PO line2</Comment>
    <Comment>this is comment 2 of PO line2</Comment>
  </Item>
</Items>
</OrderRequest>
</SynnexB2B>

```

4. Submission of 'End User Billing PO' (a.k.a. 'Agent Model') By Reseller

```
<?xml version="1.0" encoding="UTF-8"?>
<SynnexB2B>
  <Credential>
    <UserID>YOUR ID</UserID>
    <Password>YOUR PASSWORD</Password>
  </Credential>
  <OrderRequest>
    <CustomerNumber>YOUR ACCOUNT NUMBER</CustomerNumber>
    <PONumber>1130878166360</PONumber>
    <PODateTime>2004-03-28T08: 22: 11</PODateTime>
    <XMLPOSubmitDateTime>2004-03-28T10: 22: 11</XMLPOSubmitDateTime>
    <ExpectedDate>2004-04-01</ExpectedDate>
    <DropShipFlag>Y</DropShipFlag>
    <SpecialHandle>Y</SpecialHandle>
    <Customer>
      <AddressName1>COMPUTER INCREDIBLE</AddressName1>
      <AddressName2>PURCHASING DEPT. </AddressName2>
      <AddressLine1>4000 POWEL ST. </AddressLine1>
      <AddressLine2> SUITE 200</AddressLine2>
      <City>EMERYVILLE</City>
      <State>CA</State>
      <ZipCode>94608</ZipCode>
      <Country>US</Country>
      <CustomerContact>
        <ContactName>Jeff D. Smith</ContactName>
        <PhoneNumber>217 668 3488</PhoneNumber>
        <FaxNumber>217 668 3489</FaxNumber>
        <EmailAddress>jeffsmith@computeruniverse.com</EmailAddress>
        <SalesRepID1>345</SalesRepID1>
        <SalesRepGroupID1>A</SalesRepGroupID1>
        <SalesRepID2>678</SalesRepID2>
        <SalesRepGroupID2>B</SalesRepGroupID2>
      </CustomerContact>
    </Customer>
    <Shipment>
      <ShipTo>
        <AddressName1>DUDE UNIVERSITY</AddressName1>
        <AddressName2>MEDICAL SCHOOL</AddressName2>
        <AddressLine1>3687 UNIVERSITY AVE. </AddressLine1>
        <AddressLine2>ROOM 502</AddressLine2>
        <City>FREMONT</City>
        <State>CA</State>
        <ZipCode>94539</ZipCode>
        <Country>US</Country>
      </ShipTo>
      <ShipToContact>
        <ContactName>Kevin Lee</ContactName>
        <PhoneNumber>510 668 3488</PhoneNumber>
        <EmailAddress>kevinlee@dude.edu</EmailAddress>
      </ShipToContact>
      <ShipMethod>
        <Code>F2</Code>
        <Description> FedEx 2 Day</Description>
      </ShipMethod>
    </Shipment>
  </OrderRequest>
</SynnexB2B>
```

```

    </ShipMethod>
    <FreightAccountNumber>987654</FreightAccountNumber>
</Shipment>
<Payment>
  <BillTo code="YOUR ACCOUNT NUMBER">
    <AddressName1>COMPUTER INCREDIBLE</AddressName1>
    <AddressName2>ACCOUNT PAYABLE</AddressName2>
    <AddressLine1>4000 POWEL ST. </AddressLine1>
    <AddressLine2>SUITE 200</AddressLine2>
    <City>EMERYVILLE</City>
    <State>CA</State>
    <ZipCode>94608</ZipCode>
    <Country>US</Country>
  </BillTo>
</Payment>
<EndUserPONumber>108-3421</EndUserPONumber>
<EndUser>
  <SynnexAccountNumber>12345</SynnexAccountNumber>
  <EndUserType>Education</EndUserType>
  <AddressName1>Donovan Brown University</AddressName1>
  <AddressName2>Department of Computer Science</AddressName2>
  <AddressLine1>345 University Blvd</AddressLine1>
  <AddressLine2>SUITE 200</AddressLine2>
  <City>EMERYVILLE</City>
  <State>CA</State>
  <ZipCode>94608</ZipCode>
  <Country>US</Country>
  <EndUserContact>
    <ContactName>Jeff D. Smith</ContactName>
    <PhoneNumber>217 668 3488</PhoneNumber>
    <FaxNumber>217 668 3489</FaxNumber>
    <EmailAddress>jeffsmith@computeruniverse.com</EmailAddress>
  </EndUserContact>
  <EndUserPODate>2001-08-28T08:22:11</EndUserPODate>
  <EndUserShipExpense>25.50</EndUserShipExpense>
  <ContractCode>CT564</ContractCode>
  <ContractFeeCode>CF12345</ContractFeeCode>
  <ContractFee>12.34</ContractFee>
  <ContractDeliveryDate>2004-03-14</ContractDeliveryDate>
</EndUser>
<Comment>This PO is what we talked in yesterday's conference call</Comment>
<Comment>Call me in case you can not deliver this PO on time</Comment>
<ShipComment>reference number: ABCDEF</ShipComment>
<ShipComment>Receiving dock reference number: 345GD32</ShipComment>
</ShipComment>
<Items>
  <Item lineNumber="1">
    <SKU>108725</SKU>
    <CustomerPartNumber>ABCD-1001</CustomerPartNumber>
    <ProductName>ONL Office XP Pro</ProductName>
    <UnitPrice>399.50</UnitPrice>
    <OrderQuantity>1</OrderQuantity>
    <Comment>this is comment 1 of PO line1</Comment>
    <Comment>this is comment 2 of PO line1</Comment>
    <ShipFromWarehouse>2</ShipFromWarehouse>
  </Item>

```

```

    <Item lineNumber="2">
      <SKU>101718</SKU>
      <CustomerPartNumber>myPartNumber</CustomerPartNumber>
      <ProductName>Windows Svr Std 2k3 Eng OLP NL AE</ProductName>
      <UnitPrice>199.00</UnitPrice>
      <OrderQuantity>1</OrderQuantity>
      <Comment>this is comment 1 of PO line2</Comment>
      <Comment>this is comment 2 of PO line2</Comment>
    </Item>
  </Items>
</OrderRequest>
</SynnexB2B>

```

5. PO Response – Accept

```

<?xml version="1.0" encoding="UTF-8"?>
<SynnexB2B>
  <OrderResponse>
    <CustomerNumber>YOUR ACCOUNT NUMBER</CustomerNumber>
    <PONumber>POTEST01</PONumber>
    <Code>accepted</Code>
    <ResponseDateTime>2005-11-29T15:01:08</ResponseDateTime>
    <ResponseElapsedTime>13.533s</ResponseElapsedTime>
    <Items>
      <Item lineNumber="1">
        <SKU>1060464</SKU>
        <OrderQuantity>1</OrderQuantity>
        <Code>accepted</Code>
        <OrderNumber>16351210</OrderNumber>
        <OrderType>S0</OrderType>
        <ShipFromWarehouse />
        <SynnexInternalReference>SALESORDER, A-CIS---SOLINE, A-CIS</SynnexInternalReference>
      </Item>
    </Items>
  </OrderResponse>
</SynnexB2B>

```

6. PO Response – Backorder

```

<?xml version="1.0" encoding="UTF-8"?>
<SynnexB2B>
  <OrderResponse>
    <CustomerNumber>YOUR ACCOUNT NUMBER</CustomerNumber>
    <PONumber>POTEST02</PONumber>
    <Code>accepted</Code>
    <ResponseDateTime>2005-11-29T15:01:08</ResponseDateTime>
    <ResponseElapsedTime>13.533s</ResponseElapsedTime>
    <Items>
      <Item lineNumber="1">
        <SKU>1060464</SKU>
        <OrderQuantity>1</OrderQuantity>
        <Code>accepted</Code>
        <OrderNumber>16351210</OrderNumber>
        <OrderType>B0</OrderType>
        <ShipFromWarehouse />
      </Item>
    </Items>
  </OrderResponse>
</SynnexB2B>

```

```
        <SynnexInternalReference></SynnexInternalReference>
      </Item>
    </Items>
  </OrderResponse>
</SynnexB2B>
```

7. PO Response - PO stopped in manual handling area (requires manual processing by Synnex Sales)

If a Customer PO cannot be automatically fulfilled (**Price discrepancy, Customer **Auto fill not turned on)

** Price Discrepancy tolerance is 1c in US, 2c in CANADA (Outside of tolerance inbound PO will stop for manual processing)

** Synnex Sales has the ability to manually process all Electronic orders if by customer request

```
<?xml version="1.0" encoding="UTF-8" ?>
<SynnexB2B>
  <OrderResponse>
    <CustomerNumber>YOUR ACCOUNT NUMBER</CustomerNumber>
    <PONumber>1130878166261A</PONumber>
    <Code>accepted</Code>
    <ResponseDateTime>2005-11-01T13:00:10</ResponseDateTime>
    <ResponseElapsedTime>2.878s</ResponseElapsedTime>
    <Items>
      <Item LineNumber="1">
        <SKU>108725</SKU>
        <OrderQuantity>1</OrderQuantity>
        <Code>accepted</Code>
        <OrderNumber>1050714</OrderNumber>
        <OrderType>99</OrderType>
        <ShipFromWarehouse />
        <SynnexInternalReference>POLINEQC, A-SALESPND---PRICEVAR, A-SALESPND
        </SynnexInternalReference>
      </Item>
    </Items>
  </OrderResponse>
</SynnexB2B>
```

PLEASE NOTE:

Possible order type values are:

SO = Sales order

BO = Backorder

99 = Quotation (Manual PO processing required by SYNnex Sales Rep)

8. PO Response - PO rejected due to duplicated PO# for the same account

```
<?xml version="1.0" encoding="UTF-8" ?>
<SynnexB2B>
  <OrderResponse>
    <CustomerNumber>YOUR ACCOUNT NUMBER</CustomerNumber>
    <PONumber>1130878166261A</PONumber>
    <Code>rejected</Code>
    <Reason>This PO# already exists in our system for your account,
      therefore we are rejecting this request to prevent a duplicate
      shipment. Please call your SYNnex sales rep if any questions.
    </Reason>
    <ResponseDateTime>2005-11-01T13:03:58</ResponseDateTime>
    <ResponseElapsedTime>2.758s</ResponseElapsedTime>
    <Items>
      <Item LineNumber="1">
        <SKU>108725</SKU>
        <OrderQuantity>1</OrderQuantity>
        <Code>rejected</Code>
        <Reason>This PO# already exists in our system for your
          account, therefore we are rejecting this request to
          prevent a duplicate shipment. Please call your SYNnex
          sales rep if any questions.</Reason>
        <OrderNumber>1050718</OrderNumber>
        <OrderType>99</OrderType>
        <ShipFromWarehouse />
        <SynnexInternalReference>DUPREJECT, R-PODUPE---DUPPOKILL, R-PODUPE
        </SynnexInternalReference>
      </Item>
    </Items>
  </OrderResponse>
</SynnexB2B>
```

9. PO Response - PO error out due to customer send from un-registered IP address

This is the extra security control we added for URL ec.synnex.com/SynnexXML/PO, we only accept the PO send from the IP addresses which previous provided by our customers

```
<?xml version="1.0" encoding="UTF-8"?>
<SynnexB2B>
  <OrderResponse>
    <ErrorMessage>IP Address Invalid</ErrorMessage>
    <ErrorDetail>IP address: 71.55.58 not defined. We only accept PO from the IP address
      provided by customer due to security reason.
    </ErrorDetail>
  </OrderResponse>
</SynnexB2B>
```


For other possible error messages, please refer to the appendix section.

Data Description

Annotation: R- Required. O-Optional. AN – Alphanumeric, ID – Code List, DT – Date & Time, N- Numeric.

1. Purchase Order

Field ID	Name	Description	R / O	T Y P E	L E N G T H	Data Example	SYNNEX Internal Reference
Version Control <?xml version="1.0" encoding="UTF-8"?>							
VER-01	Xml version= "##.##"	XML Version number ties directly into the version number of this document. In order to see or use features available to a new version release, it is necessary for you to reference the correct version number for the release features you wish to utilize. See revision history for specifics.	R	AN	40	2.0	ECE table
Credentials Section <Credential> </Credential>							
CRD-01	UserID	XML and ecExpress share the same security User ID / Password Please use a valid ecExpress Login and PW for all XML transactions.	R	AN	40	YOUR ACCOUNT NUMBER	ECE table
CRD-01	Password	This is the Password of SYNNEX WEB (EcExpress) log in. as explained above	R	AN	40	YOUR PASSWORD	ECE table
Header Section <OrderRequest> </OrderRequest>							
HDR-01	CustomerNumber	SYNNEX' internal customer AC# The account number is tied to the Payment Terms for each account. If customer have questions about what Account number will be billed for PO submission, please check with your Synnex Sales rep.	R	AN	10	YOUR ACCOUNT NUMBER	CPOP, RSSYNncust_no
HDR-02	PONumber	Customer PO#	R	AN	20	10177074	RSPurchaseOrder#
HDR-03	PODateTime	SYNNEX require CCYY-MM-DDTHH:MM:SS'. This is the PO Date (and Time) the PO generated and stored in customer's ERP system.	O	DT	19	2001-08-28T08:22:11	RSPurchaseOrderDate
HDR-04	XMLPOSubmitDateTime	Some customers use this data to record the time they actually send SYNNEX this XML PO. (This is different from PODateTime which is stored in customer's ERP system). E.g. customer's purchaser may see their PO Date & Time = 2004-03-28T10:30:00 but their actual XML PO Submit date & Time is 2004-03-28T11:45:00.	O	DT	19	2001-08-28T08:22:11	RSPOSubmitDate
HDR-05	ExpectedDate	The date customer expect the PO delivered	O	DT	8	2002-05-20	ShipExpectedDeliveryDate
HDR-06	ExpectedShipDate	The date customer expects the PO shipped by SYNNEX. (This is different from Expected Delivery date. As Expected Delivery date = Expected Ship Date + Time In Transit)	O	DT	8	2002-05-20	CPOP.ShipExpectedShipmentDate
HDR-07	DropShipFlag	Drop-ship vs. stock-ship indicator The reason this data is required by SYNNEX is : SYNNEX have 2 format of shipping document, one for drop ship, one for stock ship. If reseller like your logo printed on the drop ship label & pack slip , or any special customize requirement, please contact your SYNNEX sales rep.	R	ID	1	Y	ShipToLocationType (Y=CPOP.EU, N=CPOP.RS)
HDR-08	SpecialHandle	This is to specify if this PO need special handling. The definition of 'Special Handle' is pre-agreed between customer and SYNNEX. This is usually for 'Configuration' or 'Production Value Ad' request. The value is 'Y' or 'N'	O	ID	1	Y	
HDR-09	BackOrderFlag	'Y' = Allow back order for this PO 'N' = Not allow back order.	O	ID	1	Y	CPOP.RSPOBackorderAllowFlag
HDR-10	BackOrderWarehouseSelection	Values = 'PO' or 'FIRST'. 'PO' means must fill BO from selected or "best" for PO. 'FIRST' means fill BO from first available warehouse. If null, default = 'FIRST'.	O	ID	8	FIRST	CPOP.RSPOBackorderWhse
HDR-11	ShipComplete	Values = Y(yes) or N(no). If null, default = N, i.e. PO items ship can	O	ID	1	Y	CPOP.RSPOShipCom

Field ID	Name	Description	R / O	T Y P E	L E N G T H	Data Example	SYNNEX Internal Reference
		be on multiple days.					pleteFlag
HDR-12	POLineShipComplete	Values = Y(yes) or N(no). If null, default = N, i.e. can ship PARTIAL of any PO line item.	O	ID	1	Y	CPOP.RSPOLineCompleteFlag
HDR-13	WarehouseSplit	Values = Y(yes) or N(no). If null, default = Y, i.e. PO items ship can go from multiple warehouses.	O	ID	1	Y	CPOP.RSPOWhseSplitFlag
HDR-14	ShipFromWarehouse	Used only if reseller want entire order to be shipped from this specified warehouse number	O	ID	2	5	CPOP.ShipFromSYNNWarehouse
HDR-15	SpecialPriceType	This is required if reseller PO price is different than contact price. 'VendorPromotion' – e.g. IBM DNO, HP Big Deal 'FederalGovernment' 'StateGovernment' 'Education'	O	ID	20	FederalGovernment	CPOP.RSPOSpecialPricingFlag VendorPromotion → 'VS' FederalGovernment → 'FG' StateGovernment → 'SG' Education → 'ED'
HDR-16	SpecialPriceReference Number	This is required if <SpecialPriceType> = VendorPromotion	O	ID	20	DNO12335	CPOP.RSPOSpecialPricingReference#
HDR-17	Reserved	Field Reserved for Special Use, Please refer to Appendix E for more information. Please do not use without pre-approval	O	ID	3		
HDR-18	SynnexB2BAssignedID	If reseller is sending XML PO directly to SYNNEX, please ignore this data. SYNNEX B2B team requires 3 rd party application service provider to populate this tag. The ID will be provided by SYNNEX. The reason is for SYNNEX to know what ordering tool our reseller used to place this XML PO.	O	ID	8	60020	CPOP.RSPOSouce_Group If empty, then pass '6' to CPOP API
HDR-19	Reserved	Field Reserved for Special Use, Please refer to Appendix E for more information.	O	AN	8.2	120.50	exp_code = 'PLAN'
Customer Section <Customer> This section / tag is optional, it is only required when customer is placing a Software License PO or End User Billing PO. The customer tag here is referring to the reseller.							
CUS-01	AddressName1	This data field is required this is an Software License PO	R	AN	35		Not map to CPOP
CUS-02	AddressName2	Self explanatory. This data field is required if there is a second line in the address name for this Software License PO.	O	AN	35		
CUS-03	AddressLine1	Self explanatory. This data field is required this is an Software License PO	R	AN	35		No map to CPOP
CUS-04	AddressLine2	Self explanatory. This data field is required if there is a second line in the address line for this Software License PO.	O	AN	35		No map to CPOP
CUS-05	City	Self explanatory. This data field is required this is an Software License PO	R	AN	20		No map to CPOP
CUS-06	State	Self explanatory. This data field is required this is an Software License PO	R	AN	2		No map to CPOP
CUS-07	ZipCode	Self explanatory. This data field is required this is an Software License PO	R	AN	10		No map to CPOP
CUS-08	Country	Self explanatory. This data field is required this is an Software License PO	R	AN	2		CPOP.RSLocationCountry LC/6
Customer Contact Section <CustomerContact> </Customer Contact> This section / tag is optional, it is only required when customer is placing a Software License PO or End User Billing PO. The customer tag here is referring to the reseller.							
CUS-09	Contact Name	Self explanatory. This data field is required this is an Software License PO	R	AN	35		RSSalesContactName L1/1
CUS-10	PhoneNumber	Self explanatory. This data field is required this is an Software License PO	R	AN	20		RSSalesContactPhone LC/5

Field ID	Name	Description	R / O	T Y P E	L E N G T H	Data Example	SYNNEX Internal Reference
CUS-11	FaxNumber	Self explanatory. This data field is required this is an Software License PO	R	AN	20		RSSalesConta ctFAX L2/1
CUS-12	EmailAddress	Self explanatory. This data field is required this is an Software License PO	R	AN	40		RSSalesConta ctEmail L3/1
CUS-13	Reserved	Field Reserved for Special Use, Please refer to Appendix E for more information.	O	AN	20		RSSalesReplD #
CUS-14	Reserved	Field Reserved for Special Use, Please refer to Appendix E for more information.	O	AN	20		RSSalesReplD #2
CUS-15	Reserved	Field Reserved for Special Use, Please refer to Appendix E for more information.	O	AN	20		RSSalesReplD #2
CUS-16	Reserved	Field Reserved for Special Use, Please refer to Appendix E for more information.	O	AN	20		RSSalesRepGr oupID#2
Ship To Section <ShipTo> </ShipTo>							
ST-01	AddressName1	Ship-to Name	R	AN	30	ABC Company	CPOP.ShipToLoca tionName1
ST-02	AddressName2	Ship-to Contact Name	O	AN	35	EDI Department	No map to CPOP
ST-03	AddressLine1	Ship-to Street Address 1	R	AN	60	123 Main Street	ShipToLocatio nAddress1
ST-04	AddressLine2	Ship-to Street Address 2	O	AN	30	Apartment #10	ShipToLocatio nAddress2
ST-05	City	Ship-to City	R	AN	20	Palo Alto	ShipToLocatio nCity
ST-06	State	Ship-to State	R	AN	2	CA	ShipToLocatio nState
ST-07	ZipCode	Ship-to ZIP Code	R	AN	10	94505-1234	ShipToLocatio nZIPCode
ST-08	Country	Ship-to Country Code	O	ID	15	US	ShipToLocatio nCountry
Ship To Contact Sub-Section <ShipToContact> </ShipToContact>							
ST-09	ContactName	Ship-to Contact Name	O	AN	30	John Smith	ShipToLocatio nContactName
ST-10	PhoneNumber	Ship-to Contact TEL#	O	AN	20	510-668-3665	ShipToLocatio nContactPhon e
ST-11	EmailAddress	Ship-to Contact Email Address	O	AN	30	Johns@abc.c om	ShipToLocatio nContactEmail
Ship Method Section <ShipMethod> </ShipMethod>							
ST-12	Code	Ship-Method Code	R	ID	5	FX	ShipSYNNMeth odCode
ST-13	Description	Ship-Method Description	O	AN	30	FedEx Ground	No map to CPOP
ST-14	FreightAccountNumber	3 rd -party freight AC# (Note: This XML tag is located following of the <ShipMethod> Tag Loop) This is the account which our customer like to be billed by carrier (e.g. FEDEX) If this is not specified, then whether whom should pay the freight is per business agreement between SYNNEX sales and customers. (e.g. free ground delivery if PO amount exceed \$1000....etc)	O	AN	30	32165487321 32	CPOP.ShipFR TCollectAccou nt#RS
Bill To Section <BillTo code="Acct #"> </BillTo>							
BT-00	BillTo code="Acct #"	The SYNNEX Account Number this PO is to be billed upon.	R	N	9	110486	CPOP. BillToSYNNcus t_no
BT-01	AddressName1	Bill-to Name	O	AN	30	XYZ, Inc.	No map to CPOP
BT-02	AddressName2	Bill-to Contact Name	O	AN	35	Jane Johnson	No map to CPOP
BT-03	AddressLine1	Bill-to Street Address 1	O	AN	60	123 Broadway	No map to CPOP
BT-04	AddressLine2	Bill-to Street Address 2	O	AN	30	Suite #101	No map to CPOP
BT-05	City	Bill-to City	O	AN	20	Vancouver	No map to CPOP
BT-06	State	Bill-to State	O	AN	2	BC	No map to CPOP
BT-07	ZipCode	Bill-to ZIP Code	O	AN	10	9B54X1	No map to CPOP
BT-08	Country	Bill-to Country Code	O	ID	15	CN	No map to CPOP

Field ID	Name	Description	R / O	T Y P E	L E N G T H	Data Example	SYNNEX Internal Reference
BT-08	SynnexLocationNumber	Customer with multiple bill to locations may use this to indicate which is to be used per PO/order.	O	N	5	23	CPOP. BillToLocation SYNLoc#
Credit Card Section <CreditCard> </CreditCard> <i>Please Note: This section is optional, unless payment is made with credit card.</i>							
CRD-01	Type	VISA, MASTER, AE, DSCVR. This is required if Credit Card tag is transmitted.	R	ID	20	65432198	CPOP. BillToCreditCardType
CRD-02	Number	Self-explanatory, Credit Card Number (<i>Note:</i> No Dashes, numbers only)	R	N	20	12345678912345	CPOP. BillToCreditCard#
CRD-03	ExpirationMonth	Self-explanatory, Card Expiration Month	R	N	2	02	CPOP. BillToCreditCardExpireMonth
CRD-04	ExpirationYear	Self-explanatory, Card Expiration Year	R	N	2	02	CPOP. BillToCreditCardExpireYear
CRD-05	CreditCardVerificationCode	Self-explanatory, Card Verification Code (Located on back of card, usually 3-digit code)	R	N	4	469	
CRD-06	FirstName	Self-explanatory, Card Holder's First Name	R	N	20	02	CPOP. BillToCreditCardHolderFirstName
CRD-07	LastName	Self-explanatory, Card Holder's Last Name	R	N	20	02	CPOP. BillToCreditCardHolderLastName
CRD-08	AddressLine1	Self explanatory, Card Holder's Address Line 1	R	AN	35		CPOP. BillToCreditCardHolderAddress1
CRD-09	AddressLine2	Self explanatory, Card Holder's Address Line 2	O	AN	35		BillToCreditCardHolderAddress2
CRD-10	City	Self explanatory, Card Holder's City	R	AN	20		BillToCreditCardHolderCity
CRD-11	State	Self explanatory, Card Holder's State	R	AN	2		BillToCreditCardHolderState
CRD-12	ZipCode	Self explanatory, Card Holder's Zip Code	R	AN	10		BillToCreditCardHolderZIPCode
CRD-13	Country	Self explanatory, Card Holder's Country	R	AN	2		BillToCreditCardHolderCountry
CRD-14	Phone	Card Holder's Phone Number (<i>Note:</i> No Dashes, numbers only)	R	AN	20		BillToCreditCardHolderPhone
HDR-20	EndUserPONumber	End-User PO #	O	AN	15	65432198	CPOP.EUPurchaseOrder#
End User Section <EndUser> </EndUser> This XML tag is only used for END-USER Billing Business Model. It is <i>mandatory</i> only when the PO is billed directly to end user.							
EU-01	SynnexAccountNumber	SYNNEX assigned account number for this end user. If this tag is not populated/provided and this PO is meant to be billed to this end user, then SYNNEX will assume this end user do not have account# yet and will create account automatically.	O	ID	9	12345	EUSYNcust_no Call EU API if EU tag exist and EndUserAddressName1 populated
EU-02	EndUserType	'FederalGovernment' 'StateGovernment' / 'LocalGovernment', 'Education' If this tag is not populated, then we assume this end user is a non-Government/Educational End User.	O	ID	20	12345	CPOP.EUGovEdFlag Value = 'F', 'L', 'E', null
EU-03	AddressName1	Self explanatory	O	AN	35		EUCompanyNa me
EU-04	AddressName2	Self explanatory	O	AN	35		No map to CPOP
EU-05	AddressLine1	Self explanatory	O	AN	35		EULocationAd dress1
EU-06	AddressLine2	Self explanatory	O	AN	35		EULocationAd dress2
EU-07	City	Self explanatory	O	AN	20		EULocationCit y
EU-08	State	Self explanatory	O	AN	2		EULocationSta te
EU-09	ZipCode	Self explanatory	O	AN	10		EULocationZIP Code
EU-10	Country	Self explanatory	O	AN	2		EULocationCo untry

Field ID	Name	Description	R / O	T Y P E	L E N G T H	Data Example	SYNNEX Internal Reference
End User Contact Sub-Section <EndUserContact> </EndUserContact> This XML tag is only used for END-USER Billing Business Model. It is <u>mandatory</u> only when the PO is billed directly to end user.							
EU-11	Contact Name	Self explanatory.	O	AN	35		EUContactName
EU-12	PhoneNumber	Self explanatory	O	AN	20		EUContactPhone
EU-13	FaxNumber	Self explanatory	O	AN	20		EUContactFax
EU-14	EmailAddress	Self explanatory	O	AN	40		EUContactEmail
EU-15	EndUserPODate	Self explanatory Date / Time Format: YYYY-MM-DDTHH:MM:SS	O	DT	19		CPOP.EUPurchaseOrderDate
EU-16	EndUserShipExpense	End-User Shipping & Handling Expense per Reseller, ONLY for EU Bill to PO/orders!	O	N	10		CPOP.EUBillShippingExpenseAmt
EU-17	ContractCode	The Contract Code between end user and reseller	O	AN	40		EUContractCode
EU-18	ContractFeeCode	The Contract Fee Code between end user and reseller	O	AN	40		EUContractFeeCode
EU-19	ContractFee	The Contract Fee between end user and reseller	O	AN	40		EUContractFee
EU-20	ContractDeliveryDate	The Contract Delivery Date agreed between end user and reseller. Date Format YYYY-MM-DD	O	AN	20		EUContractDeliveryDate
Software License Section <SoftWareLicense> </SoftWareLicense> This XML tag is optional, however it is <u>REQUIRED</u> when customers are placing Software License Purchase Orders.							
SWL-01	AuthorizationNumber	Authorization Number given by Software Vendors	O	AN	25	GDF56783	SWLVendorAuthorization# LE/A
SWL-02	ReOrder	'Y/N' flag; This is XML tag is required only if <SoftWareLicense> tag exists, the same applies for all of the data below.	R	ID	1	Y	CPOP.SWLReOrderlag LD/A
Software License Sub-Section <Licensee> </Licensee> This XML tag is optional, however it is <u>REQUIRED</u> when customers are placing Software License Purchase Orders.							
SWL-03	AddressName1	Self explanatory	R	AN	35		LicenseeLocationName1 L4/1
SWL-04	AddressName2	Self explanatory	O	AN	35		Not mapped to CPOP
SWL-05	AddressLine1	Self explanatory	R	AN	35		LicenseeLocationAddress1 L9/1
SWL-06	AddressLine2	Self explanatory	O	AN	35		LicenseeLocationAddress2 L0/1
SWL-07	City	Self explanatory	R	AN	20		LicenseeLocationCity LA/1
SWL-08	State	Self explanatory	R	AN	2		LicenseeLocationState LB/1
SWL-09	ZipCode	Self explanatory	R	AN	10		LicenseeLocationZIPCode LC/1
SWL-10	Country	Self explanatory	R	AN	2		LicenseeLocationCountry LC/2
Software License Contact Sub-Section <LicenseeContact> </LicenseeContact> This XML tag is optional, however it is <u>REQUIRED</u> when customers are placing Software License Purchase Orders.							
SWL-11	Contact Name	Self explanatory	R	AN	35		LicenseeContactName L5/1
SWL-12	PhoneNumber	Self explanatory	R	AN	20		LicenseeContactPhone L6/1
SWL-13	FaxNumber	Self explanatory	R	AN	20		LicenseeContactFax L7/1
SWL-14	EmailAddress	Self explanatory	R	AN	40		LicenseeContactEmail L8/1
Header Comments Section							

Field ID	Name	Description	R / O	T Y P E	L E N G T H	Data Example	SYNNEX Internal Reference
HDR-C1	Comment	Order Comments For SYNNEX sales to read <ul style="list-style-type: none"> ■ Unlimited occurrence Please Note: Any comments that are entered will force the transaction into your SYNNEX Sales Rep's sales queue for sales review, and manual order release.	O	AN	60	This is a test order.	CPOP.RSP OCommentInternal Batch_comments.comment_type = 'CC', comment_loc = 'T'
HDR-C2	ShipComment	Ship Comments to be printed in Shipping document (Packing Memo) <ul style="list-style-type: none"> ■ Unlimited occurrence Please Note: Any comments that are entered will force the transaction into your SYNNEX Sales Rep's sales queue for sales review, and manual order release.	O	AN	60	Special instruction to receiver	CPOP.ShipInstructionExternal Batch_comments.comment_type = 'SI', comment_loc = 'T'
HDR-C3	ShipCommentInternal	Shipping instructions be read by and only by SYNNEX internal warehouse staff, not to be printed in shipping document nor packing memo for end-customer to read. <ul style="list-style-type: none"> ■ Unlimited occurrence Please Note: Any comments that are entered will force the transaction into your SYNNEX Sales Rep's sales queue for sales review, and manual order release.	O	AN	60	Special instruction to receiver	ShipInstructionInternal Cpo_comment_type = SC, _loc = E
PO Line Section <Items> </Items>							
DTL-01	ItemLineNumber="##"	Item Line # Consecutive Live number representing each line on purchase order being transmitted.	R	AN	5	1	CPOP.RSP OLine#
DTL-02	SKU	SYNNEX SKU # Please Note: At least one of the following 3 tags values must present in a PO line: SKU, SYNNEX internal Part No, or Manufacturer Part No We require customer to provide us the SYNNEX SKU unless some other special arrangement has been made.	R	AN	9	203156	CPOP.RSP OLineSYNNEXPart# Type = SKU
DTL-03	Reserved	Field Reserved for Special Use, Please refer to Appendix E for more information.	O	AN	30	HP-12567ABA	Waiting for spec from CPOP
DTL-03a	Manufacturer Part Number	Manufacturer Part Number Please Note: SYNNEX recommends the use of the SYNNEX sku, rather than manufacturer part number if customer is able to do so.	O	AN	30	12567ABA	
DTL-04	CustomerPartNumber	Customer Part #	O	AN	30	ABC-12345	CPOP.RSP OLineRSPart#
DTL-05	ProductName	Product Description	O	AN	30	IBM Hard Disk	No Map to CPOP
DTL-06	UnitPrice	Unit Price	R	AN	30	209.95	RSPOLineUnitPrice
DTL-07	OrderQuantity	Quantity Ordered	R	AN	30	152	RSPOLineQuantity
DTL-07	Comment	Item Comments for SYNNEX Sales to read <ul style="list-style-type: none"> ■ Unlimited occurrence Please Note: Any comments that are entered will force the transaction into your SYNNEX Sales Rep's sales queue for sales review, and manual order release.	O	AN	60	This is a test item.	RSPOLineCommentInternal Batch_comments.comment_type = 'GE', comment_loc = 'L'
DTL-08	ShipFromWarehouse	Ship From Warehouse Number	O	N	2	2	Warehouse
DTL-09	SpecialPriceReference Number	This is required if <SpecialPriceType> = VendorPromotion	O	ID	20	DNO12335	CPOP. RSPOSpecialPricingReference#

Fee Identifier Section <Fees> </Fees>

Special Section Reserved for Special Conditions when Fees must be charged for transactions, this tag is optional, and only used by special arrangement.

Field ID	Name	Description	R / O	T Y P E	L E N G T H	Data Example	SYNNEX Internal Reference
FEE-01	Reserved	Field Reserved for Special Use, Please refer to Appendix E for more information.	O	AN	20	FBID	CPOP.setExpByCode(FeeType, FeeAmount)
FEE-02	Reserved	Field Reserved for Special Use, Please refer to Appendix E for more information.	O	AN	30	100.00	CPOP.setExpByCode(FeeType, FeeAmount)

2. Purchase Order Response

Field ID	Name	Description	Required Field (Required / Optional)	Data Type	Max Length	Data Example	SYNNEX Internal Use
HDR-001	CustomerNumber	SYNNEX's internal customer AC#	R	AN	10	1030806	
HDR-002	PONumber	Customer PO#	R	AN	20	10177074	
HDR-003	Code	Accepted/Rejected/null. 'null' means SYNNEX sales rep needs to manually process this PO due to various reasons.	R	AN	8	ACCEPTED	
HDR-004	ResponseDateTime	PO Acknowledgement Date Format: YYYY-MM-DDTHH:MM:SS	R	DT	8	20020403	
BDR-005	ResponseElapsedTime	Elapsed Response time for PO Submission and Order Acknowledgement (in Seconds)	R	AN	6	2.001s	
DTL-001	ItemLineNumber	Item Line #	R	AN	5	1	
DTL-002	SKU	SYNNEX SKU #	R	AN	6	203156	
DTL-003	OrderQuantity	Quantity Ordered	R	AN	30	152	
DTL-004	Code	Line Item Status (same as order status, with addition of "Backorder" status)	R	AN	2	ACCEPT	
DTL-005	OrderNumber	SYNNEX internal Sales Order #	R	AN	10	6512345	
DTL-006	OrderType	SYNNEX Sales Order Type SO = Sales order BO = Backorder 99 = Quotation (Manual PO processing required by Synnex Sale	R	AN	10	SO	
DTL-007	ShipFromWarehouse	Ship From Warehouse Code	O	N	3	2	
DTL-008	SynnexInternalReference	Internal Reference identifying any special actions required by Sales before Order can release to warehouse for shipping. Comments should be self-explanatory.	O	AN	35	POLINQC, A-SALESPND--- PRICEVAR, A-SALESPND	

Testing & Production with SYNnex

1. By using your web browser, please go to our XML test web site at...

<https://testec.synnex.com/SynnexXML>

or

<https://testec.synnex.ca/SynnexXML>

(For Canada customers)

The purpose of this web page is for customers to test send XML data to the SYNnex test system over the Internet and receive XML responses. This is a great tool for customers to test and understand the SYNnex XML interface before customer's development and integration phase. Customers can also edit the default XML file to test various scenarios.

Please Note: the customer number and password in the default XML file is our demo account, customer can also use their own account access information to do the testing.

2. Customer to conduct testing & integration of XML in their system using demo account

Customer will have better idea of how to send out the XML PO via HTTPS after tested out web site.

3. End-to-End integration testing

Customer place test PO from internal system (e.g. purchasing system or web system).

4. Pilot run using customer' account/password

- Customer to prepare a 'dummy' PO, before sending out to SYNnex, and alert SYNnex sales rep of the PO#. Then Send out the PO and for SYNnex sales rep to validate the PO, see if the information is displayed correctly and completely in SYNnex ERP Screen (Sales Quote screen for now. Customer PO Process screen in the near feature).
- Pilot Run – customer place a PO (using their own account number and access information, and SYNnex sales will ship it after review and acceptance.

5. Deployment (Go live!)

How To Send XML PO To SYNnex

1. Test URL to receive XML PO from customer

USA: <https://testec.synnex.com/SynnexXML/PO>

Canada: <https://testec.synnex.ca/SynnexXML/PO>

Please Note:

SYNNEX' US test system is replicated from our production system every weekend. This means the price and availability status are as of last weekend. Canada test system is replicated from our production system every night.

2. Production URL to receive XML PO from customer

Please Note: Customer is expected to provide SYNnex XML / Web service Team with IP Address they will be sending their XML PO's from so that SYNnex can open Server Gateway to order processing system, prior to submitting any XML PO's for the first time.

USA:

<https://ec.synnex.com/SynnexXML/PO>

Canada:

<https://ec.synnex.ca/SynnexXML/PO>

3. HTTPS & HTML

For detailed information and code examples of how to send, please go to the following URL:

<https://testec.synnex.com/SynnexXML>

Please Note:

1) The HTTPS:// URL(s) above are used for production as well as testing.

Please Note: HTTP:// URL(s) can not be used, only secure HTTPS:// URL(s) listed above are allowed.

2) If customer needs to do high volume 'stress test', please inform the SYNnex XML/Web services team. We will provide you another URL for this purpose.

If you need a more detailed technical specifications

HTTPS, HTML, DTD, and Schema are available from:

<https://testec.synnex.com/SynnexXML>

If you have any questions

Technical questions (e.g. how to send, or programming questions), Business Process questions, Production Issues or Feedback, please contact

US and Canada –

XML Support Group, xmlgroup@synnex.com

For IP Registrations please send an email requesting the new IP registration along with your Synnex Customer# to

For the US: Helpdesk US, helpdeskus@synnex.com

For Canada: Helpdesk CA, helpdeskcanada@synnex.com

A member of our global XML Team or Global Helpdesk Team will gladly assist you and provide a prompt response

Appendix A - SYNnex Warehouses List

SYNNEX (USA) Warehouse List

LOCATION ID	NAME	CITY	STATE	ZIP
16	16	Miami	FL	33172
3	3	Fremont	CA	94539
9	9	Chantilly	VA	20151
5	5	Richardson	TX	75081
6	6	Glendale Heights	IL	60139
7	7	Olive Branch	MS	38654
8	8	Keasby	NJ	08832
10	10	Beaverton	OR	97008
4	4	Norcross	GA	30071
12	12	Ontario	CA	91761
14	14	Columbus	OH	43123
79	79	Olive Branch	MS	38654 *
89	89	Keasby	NJ	08832 *
129	129	Ontario	CA	91761 *
149	149	Columbus	OH	43123 *

***Please Note: New Warehouses added for Consumer Gaming Products & Accessories**

SYNNEX (CANADA) Warehouse List

LOCATION ID	NAME	CITY	STATE	ZIP
US (Joint US/Canada)	US	Various	Various	Various **
26	26	Halifax	N.S.	B3S 1B3
29	29	Guelph	Ontario	N1H 6J3
31	31	Calgary	Alberta	T2C 4X3
32 (Closed, Use Location 60)		Richmond	B.C.	V6V 2L5
57	57	Markham	Ontario	L3R 0Z9 *
60	60	Richmond	B.C.	V6V 1P6 *

***New Warehouse Location**

****Please Note: New Warehouse Designation listed is for US Warehouses participating in Joint US/Canada Warehouse program. Quantity listed represents total on-hand for all participating warehouses. Please contact your SYNnex sales rep for additional information.**

Appendix B - SYNnex Ship Method Codes List

Please Note: Not ALL carriers are available in your delivery area. Please check with your SYNnex sales rep if you are unsure which carrier is available for you to use as a resource.

United States

Ship Code	Ship Method Description
AAAC	AAA Cooper Trucking
ABFC	ABF CUST SHIP
ABFT	ABF TIMEKEEPER
AIP	AIT Whiteglove TV B2C
AIPT	AIT THRESHOLD B2C TV PRICING
AIT	AIT Deferred Economy Service
AIT1	AIT One Day Service by 5PM
AIT2	AIT 2 Day Service by 5PM
AIT3	AIT Guaranteed 3 Day Service
ASA1	Asoc Global One Day
ASA2	Asoc Global 2 Day
ASAF	Asoc Global Defer
ATLC	ATL Courier
AVTL	Averitt Express TL
BAX1	BAX Schenker One Day Global
BAX2	BAX Schenker 2 day Global
CD	Circle Delivery
CHR	C.H. Robinson
CLDN	CELADON TRUCKING
CLG	Column Logistics
COO1	CorTrans 1 day
COO2	CorTrans 2 day
COO3	CorTrans 3 day
COOG	CorTrans Deferred
CPU	Third-Party Customer Pick Up
CSX	CSX Trucking
DE	Local Delivery
DETR	Dynamex Local Dely Pallets
DEVN	Dynamex Local Dely Vans
DH	D H L
DHI	D H L International
DHL2	DHL 2 Day
DHLP	DHL Overnight
DOTL	DOTLINE TRANSPORTATION
DSV	Direct Ship Fr Vendr
DW	Dawes Transportation
E1	CEVA Next Day
E2	CEVA 2nd Day
E3	CEVA 3-5 DAY
EDEL	Electronic Delivery (Email)

Ship Code	Ship Method Description
ELOB	Edge Logistics
EUSA	EAGLE USA INIT
EXDO	Expeditors Int'l
EXPS	EXPEDITORS SPOT
F2	FedEx 2 Day
F2F	FedEx 2 Day Freight
FEDI	Federal Express-Intl
FFS	FedEx Frt Sat Del
FG	FedEx Ground
FGC	FedEx Ground Canada
FHD	FedEx Home Delivery
FI	FedEx Int'l
FMWT	FedEx Multi Weight
FO	FedEx Standard Overnight
FOF	FEDEX STD. OVER FRT.
FP	FedEx Priority Overnight
FPF	FedEx Pri Over Frt.
FPFI	Fed Ex Hvy Priority Intl
FPI	Fedex Priority International
FPIC	Fed Ex Intl Priority CWT
FPIN	Fed Ex Intl Priority
FS	FedEx Saturday Delivery
FWC	Forwarded Will Call
FX	FedEx Express Saver
FXF	FedEx Ex Saver Frt
FXFI	Fed Ex Freight Economy Intl
FXIC	Fed Ex Intl Economy CWT
FXIN	Fed Ex Intl Economy
FXLE	FedEx LTL Economy
FXLP	FedEx LTL Priority
FXNL	FED EX NATIONAL LTL SPOT
HS	Hold Ship
HUBG	Hub Group
HZA	Horizon Alliance
JBHT	JB Hunt Truckload
JET	JET Del Service
JIT	JIT Transportation
JITG	JIT LTL-Ground
KAE	KLS Air Express
KLS	KLS AIR EXPRESS

Ship Code	Ship Method Description
LDWY	Landstar TL SPOT Rate
LYA1	LYNDEN INTERNATIONAL
LYA2	LYNDEN INTERNATIONAL
LYH1	LYNDEN INTERNATIONAL
LYH2	LYNDEN INTERNATIONAL
MERS	MERIT TRANSPORTATION
MERT	MERIT TL
MLO	MENLO Logistics Ground
MLO1	MENLO Logistics 1 Day Service
MLO2	MENLO Logistics 2 Day Service
MO	Moran Transportation
MSOH	Mid South Transport, Inc.
MTF2	FedEx 2 Day
MTFG	FedEx Ground
MTFO	FedEx Standard Overnight
MTFP	FedEx Priority Overnight
MTFS	FedEx Saturday Delivery
MTFX	FedEx Express Saver
ODI	Old Dominion Frt Line
OL	OLIVER TRUCKING
OMNI	OMNI Logistics deferred 3-5
ONTM	ON TIME TRUCKING DNJ LTL ONLY
OTFT	ON TRACK FREIGHT SYSTEMS TRUCK
PAAF	PILOT FREIGHT DEFERRED 3-5
PAF1	Pilot Freight 1 Day
PAF2	Pilot Freight 2 Day
PAF3	Pilot Freight 3 Day
PGL1	Pegasus Next Day
PGL2	Pegasus 2 Day Service
PGL3	Pegasus 3 Day Service
PGL5	Pegasus 5 Day Service
PRL	PRO-LINE Inc.
PYLE	A Duie Pyle
RI	FOLLOW ROUTING GUIDE
RPM	RPM TL
SBA	Service by Air

Ship Code	Ship Method Description
SK1	Seko Nxt Bus Day Exp
SK2	Seko 2nd Bus Day Eco
SK3	Seko 3rd Bus Day
SK5	Seko 3-5 Day Surface
SPMK	SPEEDMARK-Air_International
STI	Service Transport Inc.
SY	Sky Way
TRN1	Transport Specialist MS small
TTSI	TOTAL TRANSPORTATION SERVICES
U3	UPS 3 Day Select
UB	UPS 2 Day Air
UH	UPS Ground CWT
UH1S	UPS Next Day Sav CWT
UH2N	UPS 2Day by Noon CWT
UHEP	UPS Worldwide Express CWT
UHEX	UPS Worldwide Expedited CWT
UHW1	UPS Next Day CWT
UHW2	UPS 2 Day Air CWT
UHW3	UPS 3 Day Air CWT
UHPX	UPS Worldwide Exprs Saver CWT
UI	UPS International
UMIF	UPS Mail Innov Flats less 1 lb
UMIP	UPS Mail Innov Parcel
UP	UPS Ground
UPEP	UPS Worldwide Express
UPEX	UPS Worldwide Expedited
UPSA	UPS Standard to Canada
UPXP	UPS Worldwide Express Saver
UR	UPS Next Day Air
URS	UPS Next Day Air Saver
US	UPS Saturday Delivery
USH	USF Holland
WC	Synnex Will Call
WHS	Warehouse Select
WRDS	Western Regional Delivery
YF	YRCW

Canada

Ship Code	Ship Method Description
CEV	CEVA Logistics
CEVT	CEVA - TH Service
CEVW	CEVA - WH Service
CPC	Canada Post Corporation
CPCE	CANADA POST - EXPEDITED PARCEL
CPCP	CANADA POST - PRIORITY NEXT AM
CPCR	CANADA POST - REGULAR PARCEL
CPCX	CANADA POST – XPRESSPOST
DARC	Day and Ross Calgary
DARG	Day and Ross Guelph
DARH	Day and Ross Halifax
DARV	Day and Ross Vancouver
DARX	Day & Ross Small Orders
DSV	Drop Ship Vendor
EDEL	Electronic Delivery (email)
FDXH	FedEx Express
FWC	Forwarded Will Call
KNH	K & H Dispatch
KNHS	K&H Special
OXR	Onward Express Rush
P10X	Purolator Express 10:30am
P9X	Purolator Express 9:00am
PSA	Purolator Saturday
PUA	Purolator Express Air
PUG	Purolator Ground
PUX	Purolator Express Ground
QR2	Quick-Run Overnight
ROD1	Routes Display Dist 1 pallet
ROD2	Routes Display Dist 2 pallet
ROD3	Routes Display Dist 3 pallet

Ship Code	Ship Method Description
RODQ	Routes Distribution Quarters
ROU	Routes LTL
ROUI	ROUTES INBOUND
ROUQ	Routes quarters guelph
ROUS	Routes Display Special
ROUT	Routes Truck Load
S40H	SCHENKER 40 FT HIGH CUBE CONT
SAIR	SCHENKER AIRFREIGHT
SC20	Schenker 20' Container
SC40	Schenker 40' Container
SC45	Schenker 45' Container
SC4H	Schenker 40' High Cube Contnr
SDL	Dynamex Exp - Same Day Local
SDS	Dynamex Exp - Same Day Direct
SDT	Sameday Truck
SFTL	SCHENKER FULL TRUCKLOAD
SLCL	SCHENKER LESS THAN CONTAINER
SLTL	SCHENKER LESS THAN TRUCKLOAD
ST2	Strait Consolidate Stx
STX	Strait Express
UPG	UPS Standard
UPGC	UPS Ground for Collect
UPSS	UPS Express Saver
UPX	UPS Express Saver
WC	Customer Pick-Up
WCET	Pick-Up in Etobicoke
WCGU	Pick-Up Guelph
WCMI	Customer Pick-Up
WCRO	Logitec Display Shipment
WHS	Warehouse Select

Updated 3/26/2013

Appendix C - SYNEX XML PO Response Time

The average response time of SYNEX XML PO is on average 5 sec (for both US & Canada)

Note:

1. The time is measured from the time the XML request leaves the door of customer to the time XML response reaches the customer.
2. In peak hours, the response time may be takes longer, due to network traffic and/or SYNEX ERP loading. On the other side, some of the PO responses are very quick (less than 1 sec) in off-peak hours.
3. We understood our customer require faster response time, we are making effort to reduce the response time.
4. We continue to monitor our response time for service quality assurance, if you experience a response time that is significantly slower than what we have stated, please don't hesitate to contact us.

Appendix D – Possible Error Messages

The Table below represents some of the more common error messages you may receive when sending data queries to the XML Server.

Message ID	Message Code	Message Detail
Databaselssue	Server.Databaselssue	We are experiencing technical issues at this time. Please try again later or contact the Synnex XML / Web services Support Team for assistance, detail: {0}
IncompleteXML01	XML Content is Incomplete	Your XML Submission has failed due to problems in the XML format or data you are sending. Please provide XML Data Parameters when providing POST/GET Query
Internal API Fault	Server.APIFault	Loading of Internal API has failed, please contact the Synnex XML / Web services Support Team for assistance, detail:{0}
PO_TIMEOUT	Server.Timeout	The session for this XML request has timed out. Please wait and try again, or contact the Synnex XML / Web services Team for assistance.
ServerError	SYNNEX XML Server is not Available	{0} The XML Server is currently unable to process your request at this time. Please contact the Synnex XML / Web services Support Team for assistance.
ValidateIP	IP Address has not been Validated	The IP address:{0} that your are sending your request from has failed validation. Due to Security Reasons your request has not been processed. Please contact the Synnex XML / Web services Support Team for Assistance.

Please Note: Data in {0} represents server level detail to help identify what specific error the server is returning when you get the indicated message. Please be sure to cut and paste any error messages to your email queries when alerting the B2B / eCommerce Support Team of any issues that you may be experiencing.

Appendix E – Other Customized Features

Please Note: The fields below represent some data elements created for customer specific requirements, and are not intended for general use by all customers.

Please do not use any of these XML fields without pre-approval

Field ID	Name	Description	R / O	T Y P E	L E N G T H	Data Example	SYNNEX Internal Reference
HDR-17	OrderType	Only used by Special Arrangement or Need by SYNNEX Reseller.	O	ID	3		
HDR-19	TradeInCredit	Trade In Credit \$Amount. This data is used only for special government resellers PO.	O	AN	8.2	120.50	exp_code = 'PLAN'
CUS-13	SalesRepID1	This is to store the ID of Sales Rep in reseller organization.	O	AN	20		RSSalesRepID #
CUS-14	SalesRepGroupID1	This is to store the Group ID of Sales Rep in reseller organization.	O	AN	20		RSSalesRepID #2
CUS-15	SalesRepID2	This is to store the ID of 2 nd Sales Rep in reseller organization.	O	AN	20		RSSalesRepID #2
CUS-16	SalesRepGroupID2	This is to store the Group ID of 2 nd Sales Rep in reseller organization.	O	AN	20		RSSalesRepGroupID#2
DTL-03	SYNNEX internal part_no	SYNNEX Internal Part Number	O	AN	30	HP-12567ABA	Waiting for spec from CPOP
DTL-08	EQBID	Special Tag for eQuote	O	AN			CPop.itemcomment.IC-3
FEE-01	FeeType	Fee Type Name (Code)	O	AN	20	FBID	CPop.setExpByCode(FeeType, FeeAmount)
FEE-02	FeeAmount	Fee Amount	O	AN	30	100.00	CPop.setExpByCode(FeeType, FeeAmount)

Appendix F - How to use SOAP with SYNEX

What is SOAP?

SOAP (Simple Object Access Protocol) is a protocol for exchanging XML-based messages over computer networks, normally using HTTP/HTTPS.

SOAP is the implement of Web Service (WS); the SOAP message is encrypted by using WS-Security function.

SOAP Message Sample

POST /StockQuote HTTP/1.1

Host: www.stockquoteserver.com

Content-Type: text/xml; charset="utf-8"

Content-Length: nnnn

SOAPAction: "Some-URI"

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" SOAP-ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
  <SOAP-ENV:Body>
    <m:GetLastTradePrice xmlns:m="Some-URI">
      <symbol>DIS</symbol>
    </m:GetLastTradePrice>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

SYNNEX SOAP services list

At present, SYNEX provides following SOAP services. You can get related WSDL from SYNEX XML web site.

- ❖ Price Availability [WSDL](#) (For all customers)
- ❖ Freight Quote [WSDL](#) (For all customers)
- ❖ Return Merchandise Authorization (For special customers)
- ❖ Other Services can be made available upon request.

How to test SOAP with SYNEX

You can use 3 party tools to test SOAP with SYNEX or build your own SOAP client program.

