Real Time

Freight Quote

XML Specification

USA and Canada

Revision History

Version / Date	Changes	Author
Version 2.02 (11/10/2014)	XML Formatting for better readability and contact info updates	Anand Pathak
Version 2.01 (05/31/2013)	Updates to SYNNEX Warehouse Locations	Donovan A. Smith
Version 2.00 (01/22/2013)	Major enhancement to tool: Added Version Control, shipping address detail, and internal logic to determine freight costs based upon commercial vs. residential delivery address.	Donovan A. Smith
Version 1.12 (05/14/2010)	Updates to SYNNEX Warehouse Locations, and other content.	Donovan A. Smith
Version 1.11 (03/15/2010)	Updates to SYNNEX Warehouse Locations, and other content.	Donovan A. Smith
Version 1.11 (03/15/2009)	Addition of Appendix E, removal of HTTP:// URL reference	Donovan A. Smith
Version 1.11 (10/31/2008)	Updates to SYNNEX Warehouse Locations, and other content.	Donovan A. Smith
Version 1.1 (08/13/2007)	Updates to SYNNEX Warehouse Locations	Donovan A. Smith
Version 1.1 (06/14/2004)	Updating of tables and contacts	Donovan A. Smith
Version 1.0 (04/23/2004)	Final Wording and Examples provided	Donovan A. Smith
Version 0.91 (07/01/2003)	Enhanced wording and additional examples provided.	Derrick Lin / Jeff Maclean
Version 0.9 (06/25/2003)	Draft Version	Derrick Lin / Jeff Maclean

Contents

Introduction

To assist all Synnex customers using XML services, Synnex has implemented an XML Freight quoting transaction tool.

The purpose of this tool is to provide "Estimated" Freight Delivery / Fee costs to our customers electronically. (Freight costs and carriers may change during order processing for any number of reasons including sku changes, Order processing times, manual adjustments etc)

It is intended that this tool be used conjunction with both the Price/Availability XML Query tool, which will feed both the Pricing and Availability status of each sku's.

This document has been prepared in an intuitive format to introduce SYNNEX XML capability and requirements and is intended for both Reseller IT and Reseller business teams.

For Testing, please use our "Test sites" at:

https://testec.synnex.com/SynnexXML/   **(US Test Site)**

https://testec.synnex.ca/SynnexXML/   **(Canada Test Site)**

This will provide a "feel" of the Synnex XML transactions allowing you to become familiar with responses, required elements and possible scenarios prior to completion of your system development.

Hopefully you will find XML implementation easy and deployment with Synnex quick and satisfying.

 It is our pleasure to offer this service to our customers. XML is still relatively new in the industry.

We invite you to grow with us, and encourage feedback/comments on how we can make our systems better.

SYNNEX XML / Web Services Dept   (XMLGroup@synnex.com)

Examples

1. Basic Freight Quote request specifying service level and using Zip Code only (Using Version 1.12 or older).

XML request:

```xml
<?xml version="1.0" encoding="UTF-8"?>
<SynnexB2B>
    <Credential>
        <UserID>YOUR ID</UserID>
        <Password>YOUR PASSWORD</Password>
    </Credential>
    <FreightQuoteRequest version="1.0">
        <CustomerNumber>YOUR ACCOUNT NUMBER</CustomerNumber>
        <CustomerName>ABC Computer</CustomerName>
        <RequestDateTime>2001-08-28T08:22:11</RequestDateTime>
        <ShipFromWarehouse>30</ShipFromWarehouse>
        <ShipToZipCode>M9W 5Z9</ShipToZipCode>
        <ShipMethodCode></ShipMethodCode>
        <ServiceLevel>2</ServiceLevel>
        <Items>
            <Item lineNumber="1">
                <SKU>108725</SKU>
                <MfgPartNumber>ABCED354</MfgPartNumber>
                <Description>Laser Jet ABCED354 30 PPM </Description>
                <Quantity>1</Quantity>
            </Item>
            <Item lineNumber="2">
                <SKU>108798</SKU>
                <MfgPartNumber>ABCED660</MfgPartNumber>
                <Description>Laser Jet ABCED660 60 PPM </Description>
                <Quantity>2</Quantity>
            </Item>
        </Items>
    </FreightQuoteRequest>
</SynnexB2B>
```

XML response:

```xml
<?xml version="1.0"?>
<SynnexB2B>
    <FreightQuoteResponse version="1.0">
        <CustomerNumber>YOUR ACCOUNT NUMBER</CustomerNumber>
        <ResponseDateTime>2003-06-24T19:29:06</ResponseDateTime>
        <ResponseElapsedTime>6.814s</ResponseElapsedTime>
        <TotalWeight>32.50</TotalWeight>
        <TotalSales>1655.40</TotalSales>
        <FreeFreightThreshold>1000.00</FreeFreightThreshold>
        <ShipFromWarehouse>
            <Number>30</Number>
            <ZipCode>M8Z 5T5</ZipCode>
```

```xml
            <City>Etobicoke, ON</City>
            <Addr>100 Bramshott Rd.</Addr>
        </ShipFromWarehouse>
        <ShipToZipCode>M9W 5Z9</ShipToZipCode>
        <ShipMethodCode>PUG</ShipMethodCode>
        <ShipMethodDescription>Purolator Ground Delivery</ShipMethodDescription>
        <ServiceLevel>2</ServiceLevel>
        <Items>
            <Item lineNumber="1">
                <SKU>108725</SKU>
                <MfgPartNumber>ABCED354</MfgPartNumber>
                <Description>Laser Jet ABCED354 30 PPM</Description>
                <Quantity>1</Quantity>
            </Item>
            <Item lineNumber="2">
                <SKU>108798</SKU>
                <ManufacturerPartNumber>ABCED660</ManufacturerPartNumber>
                <Description>Laser Jet ABCED660 60 PPM</Description>
                <Quantity>2</Quantity>
            </Item>
        </Items>
        <AvailableShipMethods>
            <AvailableShipMethod code="PUG">
                <ShipMethodDescription>Purolator Ground Delivery</ShipMethodDescription>
                <ServiceLevel>1</ServiceLevel>
                <Freight>12.50</Freight>
            </AvailableShipMethod>
            <AvailableShipMethod code="DE">
                <ShipMethodDescription>Dynamex Local Delivery</ShipMethodDescription>
                <ServiceLevel>0</ServiceLevel>
                <Freight>5.36</Freight>
            </AvailableShipMethod>
            <AvailableShipMethod code="UPG">
                <ShipMethodDescription> UPS Ground</ShipMethodDescription>
                <ServiceLevel>1</ServiceLevel>
                <Freight>6.79</Freight>
            </AvailableShipMethod>
            <OtherCharges>
                <MinOrderFee>0</MinOrderFee>
                <CODFee>0</CODFee>
            </OtherCharges>
            <SynnexInternalReference>SPID 3456282, batch_no 4672535,
                version 16253</SynnexInternalReference>
    </FreightQuoteResponse>
</SynnexB2B>
```

2. Basic Freight Quote request not specifying service level or ship method and using Zip Code only (Using Version 1.12 or older).

XML request:

Same as example above, the only difference is:

```
        …
        <ShipMethodCode></ShipMethodCode >
        <ServiceLevel></ServiceLevel>
        …
```

XML response:

Similar to example 1, but with more <ShipMethodCode> tag loop

3. Detailed Freight Quote request specifying service level and Full Shipping Address (Using Version 2.00 or greater).

XML request:

```xml
<?xml version="1.0" encoding="UTF-8"?>
<SynnexB2B>
    <Credential>
        <UserID>YOUR ID</UserID>
        <Password>YOUR PASSWORD</Password>
    </Credential>
    <FreightQuoteRequest version="2.0">
        <CustomerNumber>YOUR ACCOUNT NUMBER</CustomerNumber>
        <CustomerName>ABC Computer</CustomerName>
        <RequestDateTime>2001-08-28T08:22:11</RequestDateTime>
        <ShipFromWarehouse>30</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>
        <ShipMethodCode></ShipMethodCode>
        <ServiceLevel>2</ServiceLevel>
        <Items>
            <Item lineNumber="1">
                <SKU>108725</SKU>
                <MfgPartNumber>ABCED354</MfgPartNumber>
                <Description>Laser Jet ABCED354 30 PPM</Description>
                <Quantity>1</Quantity>
            </Item>
            <Item lineNumber="2">
                <SKU>108798</SKU>
                <MfgPartNumber>ABCED660</MfgPartNumber>
                <Description>Laser Jet ABCED660 60 PPM</Description>
                <Quantity>2</Quantity>
            </Item>
        </Items>
    </FreightQuoteRequest>
</SynnexB2B>
```

XML response:

```xml
<?xml version="1.0"?>
<SynnexB2B>
    <FreightQuoteResponse version="2.0">
        <CustomerNumber>YOUR ACCOUNT NUMBER</CustomerNumber>
        <ResponseDateTime>2003-06-24T19:29:06</ResponseDateTime>
        <ResponseElapsedTime>6.814s</ResponseElapsedTime>
        <TotalWeight>32.50</TotalWeight>
        <TotalSales>1655.40</TotalSales>
        <FreeFreightThreshold>1000.00</FreeFreightThreshold>
        <ShipFromWarehouse>
            <Number>30</Number>
            <ZipCode>M8Z 5T5</ZipCode>
            <City>Etobicoke, ON</City>
            <Addr>100 Bramshott Rd.</Addr>
        </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>
            <AddressType>Commercial</AddressType>
        </Shipto>
        <ShipMethodCode>PUG</ShipMethodCode>
        <ShipMethodDescription>Purolator Ground Delivery</ShipMethodDescription>
        <ServiceLevel>2</ServiceLevel>
        <Items>
            <Item lineNumber="1">
                <SKU>108725</SKU>
                <MfgPartNumber>ABCED354</MfgPartNumber>
                <Description>Laser Jet ABCED354 30 PPM</Description>
                <Quantity>1</Quantity>
            </Item>
            <Item lineNumber="2">
                <SKU>108798</SKU>
                <ManufacturerPartNumber>ABCED660</ManufacturerPartNumber>
                <Description>Laser Jet ABCED660 60 PPM</Description>
                <Quantity>2</Quantity>
            </Item>
        </Items>
        <AvailableShipMethods>
            <AvailableShipMethod code="PUG">
                <ShipMethodDescription>Purolator Ground Delivery</ShipMethodDescription>
                <ServiceLevel>1</ServiceLevel>
                <Freight>12.50</Freight>
            </AvailableShipMethod>
            <AvailableShipMethod code=" DE ">
                <ShipMethodDescription>Dynamex Local Delivery</ShipMethodDescription>
                <ServiceLevel>0</ServiceLevel>
                <Freight>5.36</Freight>
            </AvailableShipMethod>
            <AvailableShipMethod code="UPG">
                <ShipMethodDescription> UPS Ground</ShipMethodDescription>
                <ServiceLevel>1</ServiceLevel>
```

```
            <Freight>6.79</Freight>
        </AvailableShipMethod>
        <OtherCharges>
            <MinOrderFee>0</MinOrderFee>
            <CODFee>0</CODFee>
        </OtherCharges>
        <SynnexInternalReference>SPID 3456282, batch_no 4672535,
            version 16253</SynnexInternalReference>
    </FreightQuoteResponse>
</SynnexB2B>
```

4. Detailed Freight Quote request not specifying service level or ship method and Full Shipping Address (Using Version 2.00 or greater).

XML request:

Same as example above, the only difference is:

```
…
<ShipMethodCode></ShipMethodCode >
<ServiceLevel></ServiceLevel>
…
```

XML response:

Similar to example 1, but with more <ShipMethodCode> tag loop

5. Freight Quote response – no ship method available

This is when customer specify ship methods or service level and we found non of the

```
<?xml version="1.0"?>
<SynnexB2B>
    <FreightQuoteResponse version="1.0">
        <ErrorMessage>No Result Found</ErrorMessage>
        <ErrorDetail>We do not have any ship method meet your request</ErrorDetail>
    </FreightQuoteResponse>
</SynnexB2B>
```

6. Freight Quote response – mandatory data missing in the request

```
<?xml version="1.0"?>
<SynnexB2B>
    <FreightQuoteResponse version="1.0">
        <ErrorMessage>[ErrorNode]</ErrorMessage>
        <ErrorDetail>
            XML format error or missing mandatory tag, please check and submit again.
        </ErrorDetail>
    </FreightQuoteResponse>
</SynnexB2B>
```

7. Freight Quote response - invalid SKU from customer

```xml
<?xml version="1.0"?>
<SynnexB2B>
    <FreightQuoteResponse version="1.0">
        <ErrorMessage>InvalidSKU</ErrorMessage>
        <ErrorDetail>At least one of the sku requested is invalid</ErrorDetail>
    </FreightQuoteResponse>
</SynnexB2B>
```

8. Freight Quote response – not authorized SKU from customer

```xml
<?xml version="1.0"?>
<SynnexB2B>
<FreightQuoteResponse version="1.0">
        <ErrorMessage>Not Authorized SKU</ErrorMessage>
        <ErrorDetail>
            At least one of the sku requested is not authorized to buy from customer
        </ErrorDetail>
</FreightQuoteResponse >
</SynnexB2B>
```

9. Freight Quote response – Invalid Ship Method Code or Service Level

```xml
<?xml version="1.0"?>
<SynnexB2B>
<FreightQuoteResponse version="1.0">
        <ErrorMessage>Invalid Ship Method Code, Service Level or Carrier</ErrorMessage>
        <ErrorDetail> please check and submit again.</ErrorDetail>
</FreightQuoteResponse >
</SynnexB2B>
```

10. Freight Quote response – Invalid ZIP from customer

```xml
<?xml version="1.0"?>
<SynnexB2B>
    <FreightQuoteResponse version="1.0">
        <ErrorMessage>Invalid ZIP Code </ErrorMessage>
        <ErrorDetail> please check and submit again.</ErrorDetail>
    </FreightQuoteResponse>
</SynnexB2B>
```

11. Freight Quote response – Invalid Address from customer

```xml
<?xml version="1.0"?>
<SynnexB2B>
    <FreightQuoteResponse version="1.0">
        <ErrorMessage>Invalid Address (Not Found) </ErrorMessage>
        <ErrorDetail> please check and submit again.</ErrorDetail>
    </FreightQuoteResponse>
</SynnexB2B>
```

12. Freight Quote response – Invalid SYNNEX warehouse number from customer

```xml
<?xml version="1.0"?>
<SynnexB2B>
    <FreightQuoteResponse version="1.0">
        <ErrorMessage>Invalid Warehouse Number </ErrorMessage>
        <ErrorDetail> please check and submit again.</ErrorDetail>
    </FreightQuoteResponse>
</SynnexB2B>
```

Data Description

Legend: AN – Alphanumeric   ID – Single Value Code
                        DT – Date / Time   N – Number

2. XML Request

Field ID	Name	Description	R/O	TYPE	LENGTH	Data Example	SYNNEX Internal Use
Credentials Section		**\<Credential\> \</Credential\>**					
CRD-01	UserID	The same account name our customer is using to log in SYNNEX web (www.synnex.com). ECExpress Login and PW's are used for our XML Transactions. All login/PW requirements are identical ID's setup by your ECExpress account administrator For detail information, please refer to SYNNEX ECEXPRESS guide. These Login's have '3 month' password 'auto expiration' security protection for those with PO Submission rights. We suggest you use the read-only user name in this XML service to prevent password expiration.	R	AN	20	YOUR ID	
CRD-02	Password	This is the same password customer uses to log in SYNNEX ECEXPRESS	R	AN	20	YOUR PASSWORD	
Version Control Section		**\<FreightQuoteRequest version="##.##"\> \</FreightQuoteRequest\>**					
VER-01	**\<FreightQuoteRequest version="##.##"\>**	XML Freight Quote Request 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	
HDR-001	CustomerNumber	SYNNEX assigned customer account number The same account number our customer is using to log in SYNNEX web (www.synnex.com).	R	N	10	YOUR ACCOUNT NUMBER	
HDR-002	CustomerName	Self-explanatory. This is for legibility and production support use, our system will not process this data.	O	AN	30	ABC Computer	
WHS-003	RequestDateTime	The date and time customer send this XML request	R	DT	19	2001-08-28T08:22:11	
HDR-004	ShipFromWarehouse	This is the code of SYNNEX warehouse. Pls refer to appendix for a list of SYNNEX warehouses.	R	N	2	30	
	Ship To Section \<ShipTo\> \</ShipTo\> **Please Note: This Full Address Loop "Required" for Version 2.0 or Greater.**						
HDR-005	AddressName1	Self-explanatory. This field represents Company Name or End User Name.	O	AN	35	ABC Company	
HDR-006	AddressName2	Self-explanatory. This field represents Company Name or End User Name.	O	AN	35	Attn: Tom Jones	
HDR-007	AddressLine1	Self-explanatory. This field represents primary ship to address.	O	AN	35	12345 Mountain Way	
HDR-008	AddressLine2	Self-explanatory. This field represents additional ship to address info.	O	AN	35	Apt# A150	
HDR-009	City	Self-explanatory. This field represents primary ship to city.	O	AN	20	Spokane	
HDR-010	State	Self-explanatory. This field represents primary ship to state.	O	AN	2	WA	

Field ID	Name	Description	R/O	TYPE	LENGTH	Data Example	SYNNEX Internal Use
HDR-011	ShipToZipCode	Self-explanatory. This field represents primary ship to zip code. Please note XML tag unchanged due to legacy XML service support.	R	AN	10	99201	
HDR-012	Country	Self-explanatory. This field represents primary ship to country.	O	AN	2	US	
HDR-013	ShipMethodCode	This is the code of SYNNEX ship method. . Pls refer to appendix for a complete list of current SYNNEX codes. Customer can leave this data empty. (If customer leave both ShipMethodCode and ServiceLevel empty, then we will return all the serviceable ShipMethodCode)	O	AN	4	PUG	
HDR-014	ServiceLevel	The number of days our customer need the shipment delivered. 0- Same day 1- Next day 2- 2 days 3- 3 days n – n days Note: 1) we assume our customer is aware of SYNNEX cut-off time limitation. (e.g. If a PO placed 2:00pm, then it is not going to have same day delivery) 2) If customer request is 2 days, then we will reply the available ship method code which is 2 days or less.	O	N	2	30	
Items Section **<Items>** **</Items>**							
Item Detail Section **<Item lineNumber = "#">** **</Item>**							
ITM-001	lineNumber	Sequential number started with 1 Recommended for requests containing multiple sku's to help link response.	R	N	2	1	
ITM-002	SKU	SYNNEX sku_no Either synnexSKU or MFGPN need to be populated	R	N	9	1003418	
ITM-003	MfgPartNumber	Either synnexSKU or MFGPN need to be populated We highly suggest customer to use our SKU number. As MFGPN look up will result no sku or multiple sku.	R	AN	30	ABCD534	
ITM-004	Description	This is for legibility and production support. Our system is not actually using this data.	R	AN	80	Laser Jet ABCED354 30 PPM	
ITM-005	Quantity	Quantity of requested SKU	R	N	5	1	

2. XML Response

Field ID	Name	Description	R/O	TYPE	LENGTH	Data Example	SYNNEX Internal Use
Version Control Section		**<FreightQuoteRequest version="##.##"> </FreightQuoteRequest>**					
VER-01	**<FreightQuoteRequest version="##.##">**	XML Freight Quote Request 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	
HDR-01	CustomerNumber	SYNNEX assigned customer account number This is the same account number our customer is using to log in SYNNEX web (www.synnex.com).	R	N	10	YOUR ACCOUNT NUMBER	
HDR-02	ResponseDateTime	The date and time SYNNEX send out the response	R	DT	19	**2003-06-24T19:29:06**	
HDR-03	ResponseElapsedTime	Number of seconds elapsed from the time SYNNEX receive the request to the time SYNNEX send out response. This is for our cycle time measurement.	R	N	4	3.5	
HDR-03	TotalWeight	Total weight calculated by SYNNEX base on sku and qty requested	R	N	8	165.34	Total_weight
HDR-03	TotalSales	Total sales amount calculated by SYNNEX base on sku and qty requested	R	N	8	1234.90	sales_total
HDR-03	FreeFreightThreshold	Synnex/Customer threshold for free freight (Order Value)	R	N	10	1000.00	TBD
Ship From Warehouse Section		**<ShipFromWarehouse> </ShipFromWarehouse>**					
HDR-03	ShipFromWarehouse Number	SYNNEX warehouse number	R	N	2	30	From request
HDR-04	ShipFromWarehouse ZipCode	Self explanatory	R	AN	10	**M8Z 5T5**	Loc_info table
HDR-05	ShipFromWarehouse City	Self explanatory	R	AN	30	**Etobicoke, ON**	Loc_info table
HDR-06	ShipFromWarehouse Addr	City and State where the warehouse is located	R	AN	30	**100 Bramshott Rd.**	Loc_info table
Ship To Section **<ShipTo> </ShipTo>** **Please Note: This Full Address Loop "Required" for Version 2.0 or Greater.**							
HDR-07	AddressName1	Self-explanatory. This field represents Company Name or End User Name.	O	AN	35	ABC Company	
HDR-08	AddressName2	Self-explanatory. This field represents Company Name or End User Name.	O	AN	35	Attn: Tom Jones	
HDR-09	AddressLine1	Self-explanatory. This field represents primary ship to address.	O	AN	35	12345 Mountain Way	
HDR-10	AddressLine2	Self-explanatory. This field represents additional ship to address info.	O	AN	35	Apt# A150	
HDR-11	City	Self-explanatory. This field represents primary ship to city.	O	AN	20	Spokane	
HDR-12	State	Self-explanatory. This field represents primary ship to state.	O	AN	2	WA	
HDR-13	ShipToZipCode	Self-explanatory. This field represents primary ship to zip code. Please note XML tag unchanged due to legacy XML service support.	R	AN	10	99201	From request
HDR-14	Country	Self-explanatory. This field represents primary ship to country.	O	AN	2	US	
HDR-15	AddressType	Address Type (Residential / Commercial)	O	AN	20	Residential	
HDR-16	ShipMethodCode	This is the same value from customer's request	O	AN	10	UPG	From request
HDR-17	ShipMethodDescription	This is the same value from customer's request	O	AN	30		From request
HDR-18	ServiceLevel	This is the same value from customer's request	O	N	2	2	From request

Field ID	Name	Description	R/O	TYPE	LENGTH	Data Example	SYNNEX Internal Use
Items Section	**<Items>**	**</Items>**					
	Item Detail Section	**<Item lineNumber = "#"> </Item>**					
ITM-001	LineNumber	Sequential number started with 1 Recommended for requests containing multiple sku's to help link response.	R	N	2	1	From request
ITM-002	SKU	SYNNEX sku_no Either synnexSKU or MFGPN need to be populated	R	N	7	1003418	From request
ITM-003	MfgPartNumber	Either synnexSKU or MFGPN need to be populated We highly suggest customer to use our SKU number. As MFGPN look up will result no sku or multiple sku.	R	AN	30	ABCD534	From request
ITM-004	Description	This is for legibility and production support. Out system is not reading this data.	R	AN	0	Laser Jet ABCED354 30 PPM	From request
ITM-005	Qty	Quantity of requested SKU	R	N	5	1	From request
SHP-01	AvailableShipMethod code	SYNNEX Ship Method Code	R	AN		UP	Ship_method
SHP-02	ShipMethodDescription	Self explanatory	R	AN		UPS GROUND	Join ship_method_prof table
SHP-03	ServiceLevel	Number of days to ship the PO 0 – Same day …	R	N		3	service_days
SHP-004	Freight	Freight quoted by SYNNEX for this ship method code	R	N		14.95	customer_frt
OTH-01	MinOrderFee	Minimal Order Fee	O	N		0	TBD
OTH-002	CODFee	COD Fee	O	N		5.50	TBD

How To Send XML To SYNNEX

1. URL to receive XML request

Production:

US:

https://ec.synnex.com/SynnexXML/FreightQuote

Canada:

https://ec.synnex.ca/SynnexXML/FreightQuote

Testing:

US:

https://testec.synnex.com/SynnexXML/FreightQuote

Canada:

https://testec.synnex.ca/SynnexXML/FreightQuote

Please Note:

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

Please Note: HTTP:// URL(s) cannot 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 Service team. We will provide you another URL for this purpose.

2. HTTPS & HTML

**Data for this element can be obtained by visiting our XML Website for Additional Technical Information - ** ec.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 to you to resource.

United States

Ship Code	Ship Method Description	Ship Code	Ship Method Description
AAAC	AAA Cooper Trucking	ELOB	Edge Logistics
ABFC	ABF CUST SHIP	EUSA	EAGLE USA INIT
ABFT	ABF TIMEKEEPER	EXDO	Expeditors Int'l
AIP	AIT Whiteglove TV B2C	EXPS	EXPEDITORS SPOT
AIPT	AIT THRESHOLD B2C TV PRICING	F2	FedEx 2 Day
AIT	AIT Deferred Economy Service	F2F	FedEx 2 Day Freight
AIT1	AIT One Day Service by 5PM	FEDI	Federal Express-Intl
AIT2	AIT 2 Day Service by 5PM	FFS	FedEx Frt Sat Del
AIT3	AIT Guaranteed 3 Day Service	FG	FedEx Ground
ASA1	Asoc Global One Day	FGC	FedEx Ground Canada
ASA2	Asoc Global 2 Day	FHD	FedEx Home Delivery
ASAF	Asoc Global Defer	FI	FedEx Int'l
ATLC	ATL Courier	FMWT	FedEx Multi Weight
AVTL	Averitt Express TL	FO	FedEx Standard Overnight
BAX1	BAX Schenker One Day Global	FOF	FEDEX STD. OVER FRT.
BAX2	BAX Schenker 2 day Global	FP	FedEx Priority Overnight
CD	Circle Delivery	FPF	FedEx Pri Over Frt.
CHR	C.H. Robinson	FPFI	Fed Ex Hvy Priority Intl
CLDN	CELADON TRUCKING	FPI	Fedex Priority International
CLG	Column Logistics	FPIC	Fed Ex Intl Priority CWT
COO1	CorTrans 1 day	FPIN	Fed Ex Intl Priority
COO2	CorTrans 2 day	FS	FedEx Saturday Delivery
COO3	CorTrans 3 day	FWC	Forwarded Will Call
COOG	CorTrans Deferred	FX	FedEx Express Saver
CPU	Third-Party Customer Pick Up	FXF	FedEx Ex Saver Frt
CSX	CSX Trucking	FXFI	Fed Ex Freight Economy Intl
DE	Local Delivery	FXIC	Fed Ex Intl Economy CWT
DETR	Dynamex Local Dely Pallets	FXIN	Fed Ex Intl Economy
DEVN	Dynamex Local Dely Vans	FXLE	FedEx LTL Economy
DH	D H L	FXLP	FedEx LTL Priority
DHI	D H L International	FXNL	FED EX NATIONAL LTL SPOT
DHL2	DHL 2 Day	HS	Hold Ship
DHLP	DHL Overnight	HUBG	Hub Group
DOTL	DOTLINE TRANSPORTATION	HZA	Horizon Alliance
DSV	Direct Ship Fr Vendr	JBHT	JB Hunt Truckload
DW	Dawes Transportation	JET	JET Del Service
E1	CEVA Next Day	JIT	JIT Transportation
E2	CEVA 2nd Day	JITG	JIT LTL-Ground
E3	CEVA 3-5 DAY	KAE	KLS Air Express
EDEL	Electronic Delivery (Email)	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
UHXP	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	Ship Code	Ship Method Description
CEV	CEVA Logistics	RODQ	Routes Distribution Quarters
CEVT	CEVA - TH Service	ROU	Routes LTL
CEVW	CEVA - WH Service	ROUI	ROUTES INBOUND
CPC	Canada Post Corporation	ROUQ	Routes quarters guelph
CPCE	CANADA POST - EXPEDITED PARCEL	ROUS	Routes Display Special
CPCP	CANADA POST - PRIORITY NEXT AM	ROUT	Routes Truck Load
CPCR	CANADA POST - REGULAR PARCEL	S40H	SCHENKER 40 FT HIGH CUBE CONT
CPCX	CANADA POST – XPRESSPOST	SAIR	SCHENKER AIRFREIGHT
DARC	Day and Ross Calgary	SC20	Schenker 20' Container
DARG	Day and Ross Guelph	SC40	Schenker 40' Container
DARH	Day and Ross Halifax	SC45	Schenker 45' Container
DARV	Day and Ross Vancouver	SC4H	Schenker 40' High Cube Contnr
DARX	Day & Ross Small Orders	SDL	Dynamex Exp - Same Day Local
DSV	Drop Ship Vendor	SDS	Dynamex Exp - Same Day Direct
EDEL	Electronic Delivery (email)	SDT	Sameday Truck
FDXH	FedEx Express	SFTL	SCHENKER FULL TRUCKLOAD
FWC	Forwarded Will Call	SLCL	SCHENKER LESS THAN CONTAINER
KNH	K & H Dispatch	SLTL	SCHENKER LESS THAN TRUCKLOAD
KNHS	K&H Special	ST2	Strait Consolidate Stx
OXR	Onward Express Rush	STX	Strait Express
P10X	Purolator Express 10:30am	UPG	UPS Standard
P9X	Purolator Express 9:00am	UPGC	UPS Ground for Collect
PSA	Purolator Saturday	UPSS	UPS Express Saver
PUA	Purolator Express Air	UPX	UPS Express Saver
PUG	Purolator Ground	WC	Customer Pick-Up
PUX	Purolator Express Ground	WCET	Pick-Up in Etobicoke
QR2	Quick-Run Overnight	WCGU	Pick-Up Guelph
ROD1	Routes Display Dist 1 pallet	WCMI	Customer Pick-Up
ROD2	Routes Display Dist 2 pallet	WCRO	Logitec Display Shipment
ROD3	Routes Display Dist 3 pallet	WHS	Warehouse Select

Updated 3/26/2013

Appendix C – XML DTD & Schema

Data for this element can be obtained by visiting our XML Website for Additional Technical Information - ec.synnex.com/SynnexXML

Appendix D- SYNNEX XML Response Time

Listed below is the average response time collected by our recent production measurement:

1 sku, request availability   : 0.5 Second

5 skus, request availability   : 1 Second

1 sku, request price and availability   : 1 Second

5 skus, request price and availability   : 1.5 Second

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

3. 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 E - How to use SOAP with SYNNEX

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, SYNNEX provides following SOAP services. You can get related WSDL from SYNNEX XML web site.
❖ Price Availability WSDL (For all customers)
❖ Freight Quote WSDL (For all customers)
❖ Return Merchandise Authorization (For special customers)

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