



Please note, our XML services are for computer to computer communications only.

To use secured services on our website, [please click here to register with us](#).

Thank you

Paul Whitney

TST-CF Express
5200 Maingate Drive
Mississauga, ON
L4W1G5

Tel.: 905.212.6333
Fax: 905.602.8895
Email: pwhitney@tst-cfexpress.com

Web Rate Quote XML Setup Requirements

TST-CF Express Web Services require authorization to our web API prior to use. Please contact pwhitney@tst-cfexpress.com directly to obtain these codes.

Your requestor code is <requestor>[EXAMPLE](#)</requestor>.
Your authorization is <authorization>[EXAMPLE](#)</authorization>.

REQUESTOR AND AUTHORIZATION are required only if your computer connects directly to the web API for TST-CF Express. If you are using a 3rd party (for example, Banyan Technologies, Process Weaver, ShipperHQ, Project 44, etc.) you do NOT REQUIRE a web API authorization as you are connecting to their systems, nor can TST-CF Express provide support for their systems.

ONE authorization is required per company using the web API.

Customer specific login and password (via registration on the TST-CF website) are required to obtain correct rates.

Both the element and data in these items are case sensitive.

General Programming Overview

All elements are case sensitive. If casing is not correct, the system will assume the element is missing. All request documents have an element called <testmode> which must be set to Y for testing. Once testing is complete either remove the element or set it to blank to initiate live data. Please add <?xml version="1.0" encoding="ISO-8859-1"?> on the first line of the XML document. All response documents will contain this prefix.

Web Service URL XML/HTTP/POST

Rate Quote: <https://www.tst-cfexpress.com/xml/rate-quote>

All Rate Quotes provided are subject to the following disclaimers:

- *The quotation is based on the specific shipment details provided. Pricing is subject to change without notice if the actual shipment differs from the information provided.*
- *All rates are subject to the rules and regulations of the tariffs in which they are filed.*
- *Carrier's liability is based on NMFC classification and other provisions as published in the OVL D 100 rules tariff.*
- *Unless otherwise indicated by the rate agreement, freight is subject to a minimum density requirement of 12 lbs. per cubic foot.*
- *When shipments occupy more than 10 feet, rates will be subject to a minimum 1,000 lbs. per linear foot.*
- *Quotation may not include all of the charges associated with the clearing of international shipments at an inland sufferance warehouse.*
- *Non-stackable freight or freight exceeding 72 inches in height will be subject to a minimum 96 inches in height. Freight that cannot be turned sideways with a width exceeding 48 inches may be subject to additional charges.*
- *Dimensions entered will NOT calculate Linear Foot. Subject to additional charges if Linear foot rule applies.*
- *Classifications are required for international shipments.*

Request Document – Rate Quote <raterequest>

Element	Type	Required	Max Length Nbr Elements	Description
<raterequest>	Array	Yes	1	Document Name
<requestor>	String	Yes	6	API Company Code (see above)
<authorization>	String	Yes	60	API Company Authorization (see above)
<login>	String	Yes	50	Web Customer Login
<passwd>	String	Yes	10	Web Customer Password
<testmode>	String	No	1	Y : While testing rate quotes
<language>	String	No	2	en : English fr : French
<tariffcode>	String	No	4	Pricing Tariff Filing <i>Required if web registration has multiple tariff filings applied. See "Tariff Filing API" at the end of this document.</i>
<transit>	String	No	1	Y : Transit Results Required
<origin>	Array	Yes	1	Shipping From
<zip>	String	Yes	7	Postal or Zip Code
<city>	String	No	20	City <i>Required if tariff requires city entry. Required to be on file with TST-CF Express. See "City List API" at the end of this document.</i>
<state>	String	No	2	Province or State <i>Required if tariff requires city entry.</i>
</origin>				
<destination>	Array	Yes	1	Shipping To
<zip>	String	Yes	7	Postal or Zip Code
<city>	String	No	20	City <i>Required if tariff requires city entry. Required to be on file with TST-CF Express. See "City List API" at the end of this document.</i>
<state>	String	No	2	Province or State <i>Required if tariff requires city entry.</i>
</destination>				

<service>	String	Yes	2	<p>ST : Road G1 : TST-CF Guaranteed 5PM G2 : TST-CF Guaranteed 9AM* G3 : TST-CF Guaranteed noon (requires prior authorization) IM : Rail*</p> <p>*not available in all areas</p>
<funds>	String	Yes	1	<p>C : quote in Canadian Funds U : quote in U.S. Funds</p>
<rqby>	String	Yes	1	<p>Quote Requested By S : Shipper C : Consignee 3 : Third Party</p>
<terms>	String	Yes	1	<p>Terms of Shipment P : Prepaid C : Collect</p>
<taxexempt>	String	Yes	1	<p>Y : Customer is exempt from Canadian Taxes N : Customer is NOT exempt from Taxes</p>
<commoditycd>	String	No	3	<p>Commodity Code (see list)</p> <p>Use only when accessing commodity Rates</p>
<commodityqty>	Integer	Dependent	5,0	<p>Commodity Quantity</p> <p>Use only when entering Commodity Code</p>
<tllf>	Integer	No	2	<p>Truckload Linear Feet Valid Values between 10 and 53</p>
<cod>	Integer	No	7,2	<p>Cash On Delivery Amount e.g. 5034.22</p>
<dclval>	Array	No	1	<p>Declared Value</p>
<amount>	Integer	No	7,2	<p>Declared Value Amount e.g. 5034.22</p>
<funds>	String	No	1	<p>Declared Value Funds Type C : Canadian Funds U : U.S. Funds</p>
</dclval>				
<shipdetail>	Array	Yes	9	<p>Shipment Detail</p>
<line>	Array	Yes	1	<p>Shipment Line Item</p>
<weight>	Integer	Yes	6	<p>Weight in Pounds</p>
<class>	String	Conditional	3	<p>Shipment Classification (see list)</p> <p>Required on International Shipments</p>
<nmfc>	String	No	11	<p>NMFC Freight Classification</p>
<stackable>	String	No	1	<p>N : Freight is NOT stackable</p>
<cubicft>	Integer	No	4	<p>Cubic Ft. of Freight (not allowed with dimensions)</p> <p>Maximum total CFT on International is 250</p>

<dimensions>	Array	Conditional	1	Dimensions of Freight (not allowed with cubicft) Required if <stackable> = "N"
<qty>	Integer	Yes	3	Number of Pieces
<len>	Integer	Yes	5	Length in Inches
<wid>	Integer	Yes	5	Width in Inches
<hgt>	Integer	Yes	5	Height in Inches
</dimensions>				
</line>				
</shipdetail>				
<accitems>	Array	No	20	Additional Services (see list)
<item>	String	Yes	6	Code Blank value will be considered invalid
</accitems>				
</raterequest>				

Freight Classifications

Classification	Value Accepted
50.0	050
55.0	055
65.0	065
70.0	070
77.5	070
85.0	085
92.5	092
100	100
110	110
125	125
150	150
175	175
200	200
250	250
300	300
400	400
500	500

Additional Services

Code	Description
SINGLE	Single Shipment
APT	Appointment Required
HG	Hazardous Materials
HEAT	Heat Required
PRP	Residential Pickup
PRD	Residential Delivery
INSPU	Inside Pickup
INSD	Inside Delivery
TGPU	Liftgate at Pickup
TGDL	Liftgate at Delivery
NCM	Delivery Notification
PSC	Protective Service
CONST	Construction Site Delivery
CONST	Construction Site Pickup
LAO	Limited Access Pickup
LAD	Limited Access Delivery
SHOWDE	Trade Show Delivery
SHOWPU	Trade Show Pickup
SCHOLP	School Pickup
SCHOLD	School Delivery
STRTRD	Straight Truck Delivery
STRTRP	Straight Truck Pickup
UNICD	University/College Delivery
UNICP	University/College Pickup

Commodity Codes

Code	Description
BAG	Bags
BAR	Barrel
BIN	Bins
BOX	Boxes
BDL	Bundle
CAN	Can
CTN	Carton
CRT	Crate
CYL	Cylinder
DRM	Drum
ECR	Empty Crates
ETT	Empty Totes
LSE	Loose
FKL	Small Forklifts
PLS	Pails
PCS	Pieces
RCK	Rack
REL	Reel
ROL	Roll
SKD	Skid
SPL	Spool
TOT	Tote
VEH	Vehicles

Example POST XML

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<raterequest>
  <requestor>EXAMPLE</requestor>
  <authorization>EXAMPLE</authorization>
  <login>custlogin</login>
  <passwd>custpasswd</passwd>
  <testmode>Y</testmode>
  <language>en</language>
  <transit>Y</transit>
  <origin>
    <zip>L5LZ7</zip>
    <city>MISSISSAUGA</city>
    <state>ON</state>
  </origin>
  <destination>
    <zip>M1A1A1</zip>
    <city>TORONTO</city>
    <state>ON</state>
  </destination>
  <service>ST</service>
  <funds>C</funds>
  <rqby>S</rqby>
  <terms>P</terms>
  <taxexempt>N</taxexempt>
  <tllf>0</tllf>
  <cod>0</cod>
  <dclval>
    <amount>0</amount>
    <funds></funds>
  </dclval>
  <shipdetail>
    <line>
      <weight>100</weight>
      <class>050</class>
      <nmfc></nmfc>
      <stackable>N</stackable>
      <cubicft></cubicft>
      <dimensions>
        <qty>1</qty>
        <len>12</len>
        <wid>12</wid>
        <hgt>14</hgt>
      </dimensions>
    </line>
  </shipdetail>
  <accitems>
    <item>INSPU</item>
    <item>INSD</item>
  </accitems>
</raterequest>
```

Response Document – Rate Quote <rqresults>

Element	Type	Max Length Nbr Elements	Description
<rqresults>	Array	1	Document Name
<errorcode>	String	10	Error Code Only returned if error
<errormsg>	String	50	Error Message Only returned if error
<errorline>	Integer	2	Error Line Only returned if error within shipment detail

If no errors are returned, the rate quote is returned.

<quoteid>	Integer	7	Rate Quote Number assigned
<totalamt>	Integer	7,2	Total Charges
<freightamt>	Integer	7,2	Freight Charges
<discountpct>	Integer	3,0	Discount Percentage
<discountamt>	Integer	7,2	Discount Amount
<totalweight>	Integer	7,0	Total Weight
<accitems>	Array	50	Additional Services, Taxes, and Charges
<item>	Array	3	Item
<itemcode>	String	6	TST-CF Charge Code
<itemdesc>	String	50	Item Description
<itemstatus>	String	15	Item Status OK : the item will have a charge Exempt : the item is exempt from this charge Not Applicable : the charge is not applicable (<i>spelling is language dependent</i>)
<itemamount>	Integer	7,2	Item Amount
</item>			
</accitems>			

The following items are returned if the level of service requested was Standard
These are possible additional service charges based upon Guaranteed levels of service.

<g1amt>	Integer	7,2	TST-CF Guaranteed 5PM
<g2amt>	Integer	7,2	TST-CF Guaranteed 9AM
<g3amt>	Integer	7,2	TST-CF Guaranteed noon

The following items are returned if transit information was requested

<transitresults>	Array	1	Transit Information
<shipdate>	Integer	8,0	YYYYMMDD : Ship Date
<status>	String	2	OK : Transit Request Processed HOLIDAY : Ship date is a holiday CS : Contact Customer Service
<servicedays>	Integer	3,0	Service Days
<holidaydays>	Integer	3,0	Holiday Days
<arrivaldate>	Integer	8,0	YYYYMMDD : Arrival Date
</transitresults>			
</rqresults>			

Example RESULTS XML

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<rqresults>
  <quoteid>9999999</quoteid>
  <totalamt>233.23</totalamt>
  <freightamt>39.66</freightamt>
  <discountpct>0</discountpct>
  <discountamt>0</discountamt>
  <totalweight>300</totalweight>
  <accitems>
    <item>
      <itemcode>INSPU</itemcode>
      <itemdesc>Inside Pickup</itemdesc>
      <itemstatus>OK</itemstatus>
      <itemamount>80.00</itemamount>
    </item>
    <item>
      <itemcode>INSD</itemcode>
      <itemdesc>Inside Delivery</itemdesc>
      <itemstatus>OK</itemstatus>
      <itemamount>80.00</itemamount>
    </item>
    <item>
      <itemcode>FS</itemcode>
      <itemdesc>Fuel Surcharge</itemdesc>
      <itemstatus>OK</itemstatus>
      <itemamount>6.74</itemamount>
    </item>
    <item>
      <itemcode>HST</itemcode>
      <itemdesc>Federal / Provincial Tax</itemdesc>
      <itemstatus>OK</itemstatus>
      <itemamount>26.83</itemamount>
    </item>
  </accitems>
  <transitresults>
    <shipdate>20111121</shipdate>
    <status>OK</status>
    <servicedays>2</servicedays>
    <holidaydays>0</holidaydays>
    <arrivaldate>20111123</arrivaldate>
  </transitresults>
</rqresults>
```

Tariff Filing API

Web Service URL XML/HTTP/POST

List of Tariff Filings: <https://www.tst-cfexpress.com/xml/rate-quote/get-tariff-filings>

Request Document – Get Tariff Filings Request <tariffrequest>

Element	Type	Required	Max Length Nbr Elements	Description
<tariffrequest>	Array	Yes	1	Document Name
<requestor>	String	Yes	6	API Company Code
<authorization>	String	Yes	60	API Company Authorization
<login>	String	Yes	15	Web Customer Login
<passwd>	String	Yes	10	Web Customer Password
</tariffrequest>				

Example POST XML

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<tariffrequest>
  <requestor>EXAMPLE</requestor>
  <authorization>EXAMPLE</authorization>
  <login>custlogin</login>
  <passwd>custpasswd</passwd>
</tariffrequest>
```

Response Document – Get Tariff Filings <tariffresults>

Element	Type	Max Length Nbr Elements	Description
<tariffresults>	Array	1	Document Name
<errorcode>	String	10	Error Code Only returned if error
<errormsg>	String	50	Error Message Only returned if error

If no errors are returned, a tariff filings list is returned if available.

<tariff>	Array	*no maximum	
<code>	String	4	Tariff Code to use when requesting Rate Quote
<desc>	String	40	Description
</tariff>			
</tariffresults>			

Example RESULTS XML

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
=   <tariffresults>
=   <tariff>
=       <code>D18X</code>
=       <desc>MY COMPANY 1</desc>
=   </tariff>
=   <tariff>
=       <code>QVXX</code>
=       <desc>MY COMPANY NBR 2</desc>
=   </tariff>
</tariffresults>
```

City List API

Web Service URL XML/HTTP/POST

City List Request: <https://www.tst-cfexpress.com/xml/city-list>

Request Document – City List Request <cityrequest>

Element	Type	Required	Max Length Nbr Elements	Description
<cityrequest>	Array	Yes	1	Document Name
<requestor>	String	Yes	6	API Company Code (see above)
<authorization>	String	Yes	60	API Company Authorization (see above)
<zip>	String	Yes	7	Zip or Postal Code
</cityrequest>				

Example POST XML

```
<?xml version="1.0" encoding="ISO-8859-1" ?>  
<cityrequest>  
  <requestor>EXAMPLE</requestor>  
  <authorization>EXAMPLE</authorization>  
  <zip>L4W 1G5</zip>  
</cityrequest>
```

Response Document – City List Request <cityresults>

Element	Type	Max Length Nbr Elements	Description
<cityresults>	Array	1	Document Name
<errorcode>	String	10	Error Code Only returned if error
<errormsg>	String	50	Error Message Only returned if error

If no errors are returned, a city list is returned if available.

<city>	Array	*no maximum	
<name>	String	20	City Name
<st>	String	2	State or Province Code
</city>			
</cityresults>			

Example RESULTS XML

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
=   <cityresults>
=   <city>
      <name>CLARKSON</name>
      <st>ON</st>
    </city>
=   <city>
      <name>COOKSVILLE</name>
      <st>ON</st>
    </city>
</cityresults>
```

Tuesday, April 21, 2020