



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

Email: edi@tst-cfexpress.com

Web Bill of Lading Pickup Request XML Setup Requirements

TST-CF Express Web Services require authorization to our web API prior to use. Please contact edi@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 as the bill of lading's are saved and may be accessed by the customer directly from the TST-CF website.

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

General Programming Overview

If applicable, the pro number assigned will belong to TST-CF Express unless the freight is shipping from the United States, in which case the pro number will belong to their partner Saia. It is VERY IMPORTANT that the request be for the ACTUAL SHIPPING LOCATION in order to assign the correct pro number.

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.

All requests are subject to the following:

- A two hour window is required between ready and close times.
- Any request received after 3PM local time (at the shipping location) may be considered a next working day pickup.
- For international shipments, please ensure all customs documents are complete.
- Maximum liability of (\$2.00 per LB) \$4.41 per KG is assumed if declared value is entered.
- Non-standard skids or non-stackable freight entered without dimensions may be considered a next working day pickup.

Web Service URL XML/HTTP/POST

Bill of Lading Pickup Request: <https://www.tst-cfexpress.com/xml/bol-pickup>

Request Document – Bill of Lading Pickup Request

Element	Type	Required	Max Length Nbr Elements	Description
<bolpickuprequest>	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 requests
<language>	String	No	2	en – English : fr – French
<assignpro>	String	No	1	Y – pro number will be assigned to bol if possible N – pro number will NOT be assigned (default) C – customer provides pro number
<shipper>	Array	Yes	1	Shipping Location
<country>	String	Yes	2	Country Code CN : Canada US : United States Domestic U.S. shipments will NOT be accepted. (shipper and consignee country are both “US”)
<company>	String	Yes	30	SHIPPING Company Name
<address1>	String	Yes	30	SHIPPING LOCATION Address
<unit>	String	No	5	SHIPPING LOCATION Address Unit
<address2>	String	No	30	SHIPPING LOCATION Additional Address
<city>	String	Yes	20	SHIPPING LOCATION CITY
<state>	String	Yes	2	SHIPPING LOCATION State or Province
<zip>	String	Yes	7	SHIPPING LOCATION Postal or Zip Code
<contact>	String	Yes	30	SHIPPING LOCATION Contact Name

<phone>	Integer	Yes	10	SHIPPING LOCATION Phone Full 10 digits are required.
<phoneext>	Integer	No	4	SHIPPING LOCATION Phone Extension
</shipper>				
<consignee>	Array	Yes	1	Consignee Location
<company>	String	Yes	30	CONSIGNEE Company Name
<address1>	String	Yes	30	CONSIGNEE LOCATION Address
<unit>	String	No	5	CONSIGNEE LOCATION Address Unit
<address2>	String	No	30	CONSIGNEE LOCATION Additional Address
<city>	String	Yes	20	CONSIGNEE LOCATION CITY
<state>	String	Yes	2	CONSIGNEE LOCATION State or Province
<zip>	String	Yes	7	CONSIGNEE LOCATION Postal or Zip Code
<contact>	String	No	30	CONSIGNEE LOCATION Contact Name
<phone>	Integer	No	10	CONSIGNEE LOCATION Phone Full 10 digits are required if phone is entered.
<phoneext>	Integer	No	4	CONSIGNEE LOCATION Phone Extension
</consignee>				
<billto>	Array	No	1	Third Party Bill To (Party responsible for bill payment)
<company>	String	No	30	Bill To Name
<address1>	String	Conditional	30	Bill To Address Required if Name Entered
<address2>	String	No	30	Bill To Additional Address
<city>	String	Conditional	20	Bill To City Required if Name Entered
<state>	String	Conditional	2	Bill To State or Province Required if Name Entered
<zip>	String	Conditional	7	Bill To Postal or Zip Code Required if Name Entered
</billto>				
<ptype>	String	Yes	1	B – Bill to party responsible for payment C – Consignee responsible for payment S – Shipper responsible for payment

<brokername>	String	Conditional	30	Customs broker Required if international shipment.
<pickupdate>	Integer	Yes	8	Ship Date in CCYYMMDD Format
<readytime>	Integer	Yes	4	Local time freight is ready (see list)
<closetime>	Integer	Yes	4	Local time shipper closes (see list)
<service>	String	Yes	2	ST : Road G1 : TST-CF Guaranteed by 5PM G2 : TST-CF Guaranteed by 9AM* G3 : TST-CF Guaranteed by noon (requires prior authorization) IM : Rail* *not available in all areas
<pff>	String	No	1	Y : protect from freezing (heat required)
<rqby>	Array	Yes	3	Pickup Requestor Information
<email>	String	Yes	60	Valid eMail address
<phone>	Integer	Yes	10	Phone Number Full 10 digits are required.
<name>	String	Yes	30	Requested By Name
</rqby>				
<kg>	String	Conditional	1	Y : Ship Weight in KG Required if any one detail line is marked as hazardous on an <i>international</i> shipment.

<shipdetail>	Array	Yes	10	Shipment Detail (one required)
<line>	Array	Yes	1	Shipment Line Item
<description1>	String	Yes	30	Description of the freight
<description2>	String	No	30	Additional description of the freight
<pkg>	String	Yes	3	Packaging code (see list)
<pcs>	Integer	Yes	5	Number of pieces
<swgt>	Integer	Yes	5	Ship Weight (in KG or LBS)
<cls>	String	No	3	Shipment Classification (see list)
<nmfc>	String	No	11	NMFC Freight Classification
<haz>	String	No	1	Y : Hazardous Materials
<hazun>	String	Conditional	4	Hazardous UN Code Required if <haz>Y</haz>
<hazcls>	String	Conditional	5	Hazardous Classification Required if <haz>Y</haz>
<hazsubcls>	String	No	3	Hazardous Sub-Classification
<hazpg>	String	No	3	Hazardous Product Group
</line>				
</shipdetail>				

<emerphone>	Integer	Conditional	10	Emergency Phone Number <i>Required for hazardous shipments.</i>
<erapnbr>	String	Conditional	9	ERAP Number <i>If the ERAP number is not applicable, data contained in this element may be blank.</i> <i>Required for hazardous shipments.</i>
<bolnbr>	String	No	25	Bill of Lading Number
<rqnbr>	String	No	15	TST-CF Rate Quote Number
<custrefnbr>	String	No	20	Customer Reference Number
<ponbr>	String	No	15	Purchase Order Number
<appointment>	Array	No	1	Delivery Appointment Request
<date>	Integer	Yes	8	Appointment Date in CCYYMMDD Format
<time>	Integer	Yes	4	Appointment Time (local time) (see list)
</appointment>				
<dvamt>	Integer	No	9.2	Declared Value
<accitems>	Array	No	20	Additional Services (see list)
<item>	String	Yes	6	Code
</accitems>				
<dimensions>	Array	No	10	Freight Dimensions <i>All dimensions must be in inches.</i> <i>Please include this information to ensure a smooth pickup process.</i>
<qty>	Integer	Yes	5	Number of pieces for len/wid/hgt
<len>	Decimal	Yes	3.2	Length (e.g. 14.00, 14, or 18.25)
<wid>	Decimal	Yes	3.2	Width
<hgt>	Decimal	Yes	3.2	Height
</dimensions>				
<si>	Array	No	4	Additional Special Instructions
<description>	String	Yes	44	Special Instruction
</si>				
<pacode>	String	Conditional	7	Provided by carrier to customer <i>REQUIRED if <assignpro>C</assignpro></i>
<reqpro>	String	Conditional	10	Requested 10 digit pro number to be assigned <i>REQUIRED if <assignpro>C</assignpro></i>
</bolpurequest>				

Ready Times

Time	Value Accepted
8:00	0800
9:00	0900
10:00	1000
11:00	1100
12:00	1200
13:00	1300
14:00	1400
14:30	1430
15:00	1500
15:30	1530
16:00	1600
16:30	1630
17:00	1700
17:30	1730
18:00	1800

Close Times

Time	Value Accepted
12:00	1200
12:30	1230
13:00	1300
13:30	1330
14:00	1400
14:30	1430
15:00	1500
15:30	1530
16:00	1600
16:30	1630
17:00	1700
17:30	1730
18:00	1800
18:30	1830
19:00	1900
19:30	1930
20:00	2000

Appointment Times

Time	Value Accepted
06:00	0600
06:30	0630
07:00	0700
07:30	0730
08:00	0800
09:00	0900
10:00	1000
11:00	1100
12:00	1200
13:00	1300
14:00	1400
14:30	1430
15:00	1500
15:30	1530
16:00	1600
16:30	1630
17:00	1700
17:30	1730
18:00	1800
18:30	1830
19:00	1900
19:30	1930
20:00	2000

Packaging Codes

Code Accepted	Description
BAG	Bag
BAR	Barrel
BIN	Bins
BOX	Box
BDL	Bundle
CAN	Cans
CTN	Carton(s)
CRT	Crate
CYL	Cylinder
DRM	Drum
LSE	Loose Pieces
PLS	Pail(s)
PCS	Pieces
RCK	Rack(s)
REL	Reel
ROL	Roll
SKD	Skid(s)
SPL	Spool(s)
TOT	Tote(s)

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
CALLBD	Call Before Delivery
DNBRK	Do not break skids
FLATB	Flatbed required for delivery
FLATBO	Flatbed required at pickup
LONG53	Overlength
FOOD	Food Items
PUP	Pup Trailer at Pickup
POISN	Poison
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
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
TOP	Top Load Only (will apply to ALL freight on the bill of lading and not allowed with XSTACK)
UNICD	University/College Delivery
UNICP	University/College Pickup
XSTACK	Do not stack freight (delivery) (not allowed with Top Load Only)

Example POST XML

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<bolpickuprequest>
  <requestor>EXAMPLE</requestor>
  <authorization>EXAMPLE</authorization>
  <login>mylogin</login>
  <passwd>mypassword</passwd>
  <testmode></testmode>
  <assignpro>N</assignpro>
  <language>en</language>
  <shipper>
    <country>CN</country>
    <company>MY SHIPPER COMPANY</company>
    <address1>141 SAVAGE DRIVE</address1>
    <unit></unit>
    <address2></address2>
    <city>CAMBRIDGE</city>
    <state>ON</state>
    <zip>N3C0A1</zip>
    <contact>joe</contact>
    <phone>9996230430</phone>
    <phoneext>0</phoneext>
  </shipper>
  <consignee>
    <country>US</country>
    <company>RUBBLE SUPPLY</company>
    <address1>212 FRONT</address1>
    <unit></unit>
    <address2></address2>
    <city>FAYETTEVILLE</city>
    <state>AR</state>
    <zip>72701</zip>
    <contact></contact>
    <phone></phone>
    <phoneext></phoneext>
  </consignee>
  <billto>
    <company>MY BILL TO</company>
    <address1>333 TODAY</address1>
    <address2></address2>
    <city>MONTREAL</city>
    <state>QC</state>
    <zip>H1A1A1</zip>
  </billto>
  <pickupdate>20200301</pickupdate>
  <readytime>1300</readytime>
  <closetime>1700</closetime>
  <rqby>
    <email>myemail@mycompany.com</email>
    <phone>9052224444</phone>
    <name>Sandy</name>
  </rqby>
  <brokername>fred flintstone</brokername>
  <ptype>B</ptype>
  <pff>Y</pff>
  <service>ST</service>
  <kg>Y</kg>
```

```
<shipdetail>
  <line>
    <description1>DEFROSTING UNITS</description1>
    <description2></description2>
    <pkg>SKD</pkg>
    <pcs>1</pcs>
    <swgt>1950</swgt>
    <cls></cls>
    <nmfc></nmfc>
    <haz></haz>
    <hazun></hazun>
    <hazcls></hazcls>
    <hazsubcls></hazsubcls>
    <hazpg></hazpg>
  </line>
  <line>
    <description1>COOLER PADS</description1>
    <description2></description2>
    <pkg>BOX</pkg>
    <pcs>3</pcs>
    <swgt>400</swgt>
    <cls></cls>
    <nmfc></nmfc>
    <haz>Y</haz>
    <hazun>1263</hazun>
    <hazcls>2.2</hazcls>
    <hazsubcls></hazsubcls>
    <hazpg></hazpg>
  </line>
</shipdetail>
<emerphone>9059998888</emerphone>
<erapnbr>12345</erapnbr>
<si>
  <description>do not store on dock</description>
  <description>keep warm</description>
</si>
<bolnbr>8937778</bolnbr>
<rqnbr>WR93889</rqnbr>
<custrefnbr>90-0300</custrefnbr>
<ponbr>X3978-22</ponbr>
<appointment>
  <date>20200311</date>
  <time>1800</time>
</appointment>
<dimensions>
  <qty>1</qty>
  <len>24</len>
  <wid>48</wid>
  <hgt>96</hgt>
</dimensions>
<dimensions>
  <qty>3</qty>
  <len>12</len>
  <wid>12</wid>
  <hgt>14</hgt>
</dimensions>
<accitems>
  <item>INSPU</item>
  <item>SHOWDE</item>
</accitems></bolpickuprequest>
```

Response Document

Element	Type	Max Length Nbr Elements	Description
<bolpuresults>	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 pickup request status, confirmation number, pro number and bol image may be returned.

<pickup>	Array	1	
<status>	String	2	Status of Pickup Request OK : Request Accepted with return id CS : Customer Service to Process Request
<confnbr>	String	15	Pickup Request Confirmation Number e.g. 701-5708777
</pickup>			
<pro>	Integer	10	Pro Number Only returned if pro number assignment requested
<bol>	Array	1	
<imageformat>	String	3	PDF : the bill of lading returned is a .pdf
<imagedata>	String	*nomax	Encoded Base 64 Image String
</bol>			
</bolpuresults>			

Thursday, November 14, 2024