



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

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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 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 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) |
| <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> | Integer | Yes | 3.2 | Length (e.g. 14.00, 14, or 18.25) |
| <wid> | Integer | Yes | 3.2 | Width |
| <hgt> | Integer | Yes | 3.2 | Height |
| </dimensions> | | | | |
| <si> | Array | No | 4 | Additional Special Instructions |
| <description> | String | Yes | 44 | Special Instruction |
| </si> | | | | |
| </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 |
|--------|-----------------------------|
| 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 |
| UNICD | University/College Delivery |
| UNICP | University/College Pickup |

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>
  <qty>3</qty>
  <len>12</len>
  <wid>12</wid>
  <hgt>14</hgt>
</dimensions>
<accitems>
  <item>INSPU</item>
  <item>SHOWDE</item>
</accitems>
</bolpickuprequest>
```

Response Document – Bill Of Lading Pickup Request

| 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> | | | |

Tuesday, April 28, 2020