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Freight Tracking Web Service Implementation Guide

Dated: July 15, 2009

Peninsula Truck Lines, Inc.
Freight Tracking Web Service Implementation Guide

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Freight Tracking Web Service Implementation Guide

SECTION 1 – GENERAL

The freight tracking web service system provides customers with the ability to retrieve freight status information directly from Peninsula's computer system. An HTTP call is made by the customer's application and processed by the freight tracking system. Freight status is returned in XML format.

SECTION 2 – CALLING THE FREIGHT TRACKING WEB SERVICE

CALLING PARAMETERS

Input Parameter Table

Parameter Name	Description
userId	Web user Id
password	Web password
proNumber	Freight bill number

CALLING METHODS

The freight tracking web service can be requested with one of four methods: SOAP 1.1, SOAP 1.2, HTTP GET, and HTTP POST. The request and response for each type follow. It should be noted that the response will include either the XML status or errors attribute depending upon whether a runtime error occurred when the service was called. An error message will be returned if a runtime error occurs.

SOAP 1.1

The following is a sample SOAP 1.1 request and response. The [placeholders](#) shown need to be replaced with actual values.

```
POST /webservices/pensrater.asmx HTTP/1.1
Host: www.peninsulatruck.com
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://peninsulatruck.com/WebServices/GetShipmentStatus"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <GetShipmentStatus xmlns="http://peninsulatruck.com/WebServices">
      <userId>string</userId>
      <password>string</password>
      <proNumber>string</proNumber>
    </GetShipmentStatus>
  </soap:Body>
</soap:Envelope>
```

```

    </soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <GetShipmentStatusResponse xmlns="http://peninsulatruck.com/WebServices">
      <GetShipmentStatusResult>
        <status>
          <proNumber>string</proNumber>
          <proDate>string</proDate>
          <interlinePro>string</interlinePro>
          <shipperNumber>string</shipperNumber>
          <poNumber>string</poNumber>
          <freightParties>
            <freightParty xsi:nil="true" />
            <freightParty xsi:nil="true" />
          </freightParties>
          <freightTerminals>
            <freightTerminal xsi:nil="true" />
            <freightTerminal xsi:nil="true" />
          </freightTerminals>
          <proStatus>string</proStatus>
          <activityDetail>
            <freightActivity xsi:nil="true" />
            <freightActivity xsi:nil="true" />
          </activityDetail>
        </status>
        <errors>
          <number>string</number>
          <message>string</message>
        </errors>
      </GetShipmentStatusResult>
    </GetShipmentStatusResponse>
  </soap:Body>
</soap:Envelope>

```

SOAP 1.2

The following is a sample SOAP 1.2 request and response. The [placeholders](#) shown need to be replaced with actual values.

```

POST /webservicess/pensrater.asmx HTTP/1.1
Host: www.peninsulatruck.com
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>

```

```

    <GetShipmentStatus xmlns="http://peninsulatruck.com/WebServices">
      <userId>string</userId>
      <password>string</password>
      <proNumber>string</proNumber>
    </GetShipmentStatus>
  </soap12:Body>
</soap12:Envelope>
HTTP/1.1 200 OK
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <GetShipmentStatusResponse xmlns="http://peninsulatruck.com/WebServices">
      <GetShipmentStatusResult>
        <status>
          <proNumber>string</proNumber>
          <proDate>string</proDate>
          <interlinePro>string</interlinePro>
          <shipperNumber>string</shipperNumber>
          <poNumber>string</poNumber>
          <freightParties>
            <freightParty xsi:nil="true" />
            <freightParty xsi:nil="true" />
          </freightParties>
          <freightTerminals>
            <freightTerminal xsi:nil="true" />
            <freightTerminal xsi:nil="true" />
          </freightTerminals>
          <proStatus>string</proStatus>
          <activityDetail>
            <freightActivity xsi:nil="true" />
            <freightActivity xsi:nil="true" />
          </activityDetail>
        </status>
        <errors>
          <number>string</number>
          <message>string</message>
        </errors>
      </GetShipmentStatusResult>
    </GetShipmentStatusResponse>
  </soap12:Body>
</soap12:Envelope>

```

HTTP GET

The following is a sample HTTP GET request and response. The [placeholders](#) shown need to be replaced with actual values.

```

GET
/webservices/pensrater.asmx/GetShipmentStatus?userId=string&password=string&pr
oNumber=string HTTP/1.1
Host: www.peninsulatruck.com
HTTP/1.1 200 OK

```

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

Content-Length: length

```
<?xml version="1.0" encoding="utf-8"?>
<freightStatus xmlns="http://peninsulatruck.com/WebServices">
  <status>
    <proNumber>string</proNumber>
    <proDate>string</proDate>
    <interlinePro>string</interlinePro>
    <shipperNumber>string</shipperNumber>
    <poNumber>string</poNumber>
    <freightParties>
      <freightParty>
        <partyType>string</partyType>
        <partyName>string</partyName>
        <partyAddress1>string</partyAddress1>
        <partyAddress2>string</partyAddress2>
        <partyCity>string</partyCity>
        <partyState>string</partyState>
        <partyZipCode>string</partyZipCode>
      </freightParty>
      <freightParty>
        <partyType>string</partyType>
        <partyName>string</partyName>
        <partyAddress1>string</partyAddress1>
        <partyAddress2>string</partyAddress2>
        <partyCity>string</partyCity>
        <partyState>string</partyState>
        <partyZipCode>string</partyZipCode>
      </freightParty>
    </freightParties>
    <freightTerminals>
      <freightTerminal>
        <terminalType>string</terminalType>
        <terminalCode>string</terminalCode>
        <terminalName>string</terminalName>
      </freightTerminal>
      <freightTerminal>
        <terminalType>string</terminalType>
        <terminalCode>string</terminalCode>
        <terminalName>string</terminalName>
      </freightTerminal>
    </freightTerminals>
    <proStatus>string</proStatus>
    <activityDetail>
      <freightActivity>
        <activityDate>string</activityDate>
        <activityTime>string</activityTime>
        <activityDescription>string</activityDescription>
        <activityLocation>string</activityLocation>
      </freightActivity>
      <freightActivity>
        <activityDate>string</activityDate>
        <activityTime>string</activityTime>
        <activityDescription>string</activityDescription>
        <activityLocation>string</activityLocation>
      </freightActivity>
    </activityDetail>
  </status>
</freightStatus>
```

```

    </freightActivity>
  </activityDetail>
</status>
<errors>
  <number>string</number>
  <message>string</message>
</errors>
</freightStatus>

```

HTTP POST

The following is a sample HTTP POST request and response. The [placeholders](#) shown need to be replaced with actual values.

```

POST /webservices/penstrater.asmx/GetShipmentStatus HTTP/1.1
Host: www.peninsulatruck.com
Content-Type: application/x-www-form-urlencoded
Content-Length: length

userId=string&password=string&proNumber=string
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<freightStatus xmlns="http://peninsulatruck.com/WebServices">
  <status>
    <proNumber>string</proNumber>
    <proDate>string</proDate>
    <interlinePro>string</interlinePro>
    <shipperNumber>string</shipperNumber>
    <poNumber>string</poNumber>
    <freightParties>
      <freightParty>
        <partyType>string</partyType>
        <partyName>string</partyName>
        <partyAddress1>string</partyAddress1>
        <partyAddress2>string</partyAddress2>
        <partyCity>string</partyCity>
        <partyState>string</partyState>
        <partyZipCode>string</partyZipCode>
      </freightParty>
      <freightParty>
        <partyType>string</partyType>
        <partyName>string</partyName>
        <partyAddress1>string</partyAddress1>
        <partyAddress2>string</partyAddress2>
        <partyCity>string</partyCity>
        <partyState>string</partyState>
        <partyZipCode>string</partyZipCode>
      </freightParty>
    </freightParties>
    <freightTerminals>
      <freightTerminal>
        <terminalType>string</terminalType>
        <terminalCode>string</terminalCode>
        <terminalName>string</terminalName>

```

```

    </freightTerminal>
  <freightTerminal>
    <terminalType>string</terminalType>
    <terminalCode>string</terminalCode>
    <terminalName>string</terminalName>
  </freightTerminal>
</freightTerminals>
<proStatus>string</proStatus>
<activityDetail>
  <freightActivity>
    <activityDate>string</activityDate>
    <activityTime>string</activityTime>
    <activityDescription>string</activityDescription>
    <activityLocation>string</activityLocation>
  </freightActivity>
  <freightActivity>
    <activityDate>string</activityDate>
    <activityTime>string</activityTime>
    <activityDescription>string</activityDescription>
    <activityLocation>string</activityLocation>
  </freightActivity>
</activityDetail>
</status>
<errors>
  <number>string</number>
  <message>string</message>
</errors>
</freightStatus>

```

SECTION 3 – XML ATTRIBUTES

Attribute	Description
status	
proNumber	Freight bill number
proDate	Freight bill date
interlinePro	Interline pro number (if interline carrier)
shipperNumber	Shipper bill of lading number
poNumber	Purchase order number
freightParties	Shipper or consignee
freightParty	
partyType	Contains 'Shipper' or 'Consignee'
partyName	Shipper name or Consignee Name
partyAddress1	Shipper address 1 or Consignee address 1
partyAddress2	Shipper address 2 or Consignee address 2
partyState	Shipper state or Consignee state
partyZipCode	Shipper zip code or Consignee zip code
freightTerminals	Terminal service
freightTerminal	
terminalType	Contains 'Origin' or 'Destination'
terminalCode	Peninsula Truck Lines Terminal Code
terminalName	Peninsula Truck Lines Terminal Name

proStatus	Freight Truck status descriptions
activityDetail	
freightActivity	Detail freight status freight activity
activityDate	Freight activity date
activityTime	Freight activity time
activityDescription	Freight activity description
activityLocation	Feight activity location
errors	
number	Runtime error number
message	Runtime error message