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Rate Quote Web Service Implementation Guide

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Peninsula Truck Lines, Inc.

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Peninsula Truck Lines, Inc.

Rate Quote Web Service Implementation Guide

SECTION 1 – GENERAL

The rate quote web service system provides customers with the ability to retrieve rate quotes directly from Peninsula's rating system from within an application running on their system. An HTTP call is made by the customer's application and processed by the rating system. Rate quotes are calculated with customer specific pricing and returned in XML format.

SECTION 2 – CALLING THE RATE QUOTE WEB SERVICE

CALLING PARAMETERS

Input Parameter Table

Parameter Name	Description
UserId	Web user Id
Password	Web password
Account	Pricing customer account number
OrigZip	Origin zip code
DestZip	Destination zip code
ClassList	Comma delimited list of NMFC classes
WeightList	Comma delimited list of weights
AccessorialList	Comma delimited list of accessorial codes

Class and Weight Lists:

There must be a weight for every NMFC class. Therefore, calling the service with two NMFC classes and only one weight will result in a runtime error. Multiple items must be delimited with a comma. An example of a valid parameter call is a class list of 70,100,125 and a weight list of 500,780,600.

Accessorial Codes:

Accessorial codes that are accepted by the rating service are presented in the following table. These codes are for the most common accessorial charges. The rate department must be contacted for accessorial charges not included in this list that cannot be automatically rated. Examples of such items are Saturday delivery, stop charges, etc.

Accessorial Code Table

Code	Description
AF	Appointment fee
CF	C.O.D. fee (the C.O.D. amount must be appended to the accessorial code.)
CD	Construction site delivery
DF	Northbound Canadian border crossing document handling fee
DI	Southbound Canadian border crossing document handling fee

HM	Hazardous material fee
IB	In bond fee
ID	Inside delivery charge (ground level)
IDE	Inside delivery charge (not ground level with elevator)
IDNE	Inside delivery charge (not ground level without elevator)
IP	Inside pickup charge
LD	Lift gate delivery charge
LP	Lift gate pickup charge
OL	Over length charge for items over 15 feet
RD	Residential delivery charge
RDL	Residential delivery with lift gate charge
RP	Residential pickup charge
RPLD	Residential pickup with lift gate charge

The following rules apply to accessorial code parameters:

- Multiple accessorial codes must be delimited with a comma.
- Accessorial codes can be passed in any order.
- The C.O.D. amount must be appended to the C.O.D. fee code.

An example of a valid accessorial parameter is RDL,CF1425.

CALLING METHODS

The rate quote 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 quote 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/Rater.asmx HTTP/1.1
Host: www.peninsulatruck.com
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://peninsulatruck.com/CreateQuote"

<?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>
    <CreateQuote xmlns="http://peninsulatruck.com/">
      <UserId>string</UserId>
      <Password>string</Password>
      <Account>string</Account>
      <OrigZip>string</OrigZip>
```

```

    <DestZip>string</DestZip>
    <ClassList>string</ClassList>
    <WeightList>string</WeightList>
    <AccessorialList>string</AccessorialList>
  </CreateQuote>
</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>
    <CreateQuoteResponse xmlns="http://peninsulatruck.com/">
      <CreateQuoteResult>
        <quote>
          <quoteNumber>string</quoteNumber>
          <quoteDate>string</quoteDate>
          <quoteExpirationDate>string</quoteExpirationDate>
          <accountNumber>string</accountNumber>
          <grossCharge>string</grossCharge>
          <discountAmount>string</discountAmount>
          <accessorialAmount>string</accessorialAmount>
          <fscAmount>string</fscAmount>
          <totalCharge>string</totalCharge>
          <gsNoonAmount>string</gsNoonAmount>
          <gsAmAmount>string</gsAmAmount>
          <movePoints>
            <movePoint xsi:nil="true" />
            <movePoint xsi:nil="true" />
          </movePoints>
          <rateDetail>
            <rateItem xsi:nil="true" />
            <rateItem xsi:nil="true" />
          </rateDetail>
          <accessorialDetail>
            <accessorialItem xsi:nil="true" />
            <accessorialItem xsi:nil="true" />
          </accessorialDetail>
          <totalWeight>string</totalWeight>
          <discountPercent>string</discountPercent>
          <fscPercent>string</fscPercent>
          <asWeight>string</asWeight>
          <codAmount>string</codAmount>
        </quote>
        <errors>
          <number>string</number>
          <message>string</message>
        </errors>
      </CreateQuoteResult>
    </CreateQuoteResponse>
  </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 /WebServices/Rater.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>
    <CreateQuote xmlns="http://peninsulatruck.com/">
      <UserId>string</UserId>
      <Password>string</Password>
      <Account>string</Account>
      <OrigZip>string</OrigZip>
      <DestZip>string</DestZip>
      <ClassList>string</ClassList>
      <WeightList>string</WeightList>
      <AccessorialList>string</AccessorialList>
    </CreateQuote>
  </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>
    <CreateQuoteResponse xmlns="http://peninsulatruck.com/">
      <CreateQuoteResult>
        <quote>
          <quoteNumber>string</quoteNumber>
          <quoteDate>string</quoteDate>
          <quoteExpirationDate>string</quoteExpirationDate>
          <accountNumber>string</accountNumber>
          <grossCharge>string</grossCharge>
          <discountAmount>string</discountAmount>
          <accessorialAmount>string</accessorialAmount>
          <fscAmount>string</fscAmount>
          <totalCharge>string</totalCharge>
          <gsNoonAmount>string</gsNoonAmount>
          <gsAmAmount>string</gsAmAmount>
          <movePoints>
            <movePoint xsi:nil="true" />
            <movePoint xsi:nil="true" />
          </movePoints>
          <rateDetail>
```

```

        <rateItem xsi:nil="true" />
        <rateItem xsi:nil="true" />
    </rateDetail>
    <accessorialDetail>
        <accessorialItem xsi:nil="true" />
        <accessorialItem xsi:nil="true" />
    </accessorialDetail>
    <totalWeight>string</totalWeight>
    <discountPercent>string</discountPercent>
    <fscPercent>string</fscPercent>
    <asWeight>string</asWeight>
    <codAmount>string</codAmount>
</quote>
<errors>
    <number>string</number>
    <message>string</message>
</errors>
</CreateQuoteResult>
</CreateQuoteResponse>
</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/Rater.asmx/CreateQuote?UserId=string&Password=string&Account=string&OrigZip=string&DestZip=string&ClassList=string&WeightList=string&AccessorialList=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"?>
<rateQuote xmlns="http://peninsulatruck.com/">
    <quote>
        <quoteNumber>string</quoteNumber>
        <quoteDate>string</quoteDate>
        <quoteExpirationDate>string</quoteExpirationDate>
        <accountNumber>string</accountNumber>
        <grossCharge>string</grossCharge>
        <discountAmount>string</discountAmount>
        <accessorialAmount>string</accessorialAmount>
        <fscAmount>string</fscAmount>
        <totalCharge>string</totalCharge>
        <gsNoonAmount>string</gsNoonAmount>
        <gsAmAmount>string</gsAmAmount>
    </movePoints>
    <movePoint>
        <pointType>string</pointType>
        <pointCity>string</pointCity>
        <state>string</state>
        <zipCode>string</zipCode>
        <terminalId>string</terminalId>
    </movePoint>
    </movePoints>
    </quote>
</rateQuote>

```

```

    <terminalName>string</terminalName>
    <terminalNumber>string</terminalNumber>
</movePoint>
<movePoint>
  <pointType>string</pointType>
  <pointCity>string</pointCity>
  <state>string</state>
  <zipCode>string</zipCode>
  <terminalId>string</terminalId>
  <terminalName>string</terminalName>
  <terminalNumber>string</terminalNumber>
</movePoint>
</movePoints>
<rateDetail>
  <rateItem>
    <freightClass>string</freightClass>
    <weight>string</weight>
    <rate>string</rate>
    <amount>string</amount>
  </rateItem>
  <rateItem>
    <freightClass>string</freightClass>
    <weight>string</weight>
    <rate>string</rate>
    <amount>string</amount>
  </rateItem>
</rateDetail>
<accessorialDetail>
  <accessorialItem>
    <code>string</code>
    <tariff>string</tariff>
    <description>string</description>
    <charge>string</charge>
  </accessorialItem>
  <accessorialItem>
    <code>string</code>
    <tariff>string</tariff>
    <description>string</description>
    <charge>string</charge>
  </accessorialItem>
</accessorialDetail>
<totalWeight>string</totalWeight>
<discountPercent>string</discountPercent>
<fscPercent>string</fscPercent>
<asWeight>string</asWeight>
<codAmount>string</codAmount>
</quote>
<errors>
  <number>string</number>
  <message>string</message>
</errors>
</rateQuote>

```

HTTP POST

The following is a sample HTTP POST request and response. The **placeholders** shown need to be replaced with actual values.

POST /WebServices/Rater.asmx/CreateQuote HTTP/1.1
Host: www.peninsulatruck.com
Content-Type: application/x-www-form-urlencoded
Content-Length: length

UserId=string&**Pass**word=string&**Account**=string&**Orig**Zip=string&**Dest**Zip=string&**Class**List=string&**Weight**List=string&**Accessorial**List=string

HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

```
<?xml version="1.0" encoding="utf-8"?>
<rateQuote xmlns="http://peninsulatruck.com/">
  <quote>
    <quoteNumber>string</quoteNumber>
    <quoteDate>string</quoteDate>
    <quoteExpirationDate>string</quoteExpirationDate>
    <accountNumber>string</accountNumber>
    <grossCharge>string</grossCharge>
    <discountAmount>string</discountAmount>
    <accessorialAmount>string</accessorialAmount>
    <fscAmount>string</fscAmount>
    <totalCharge>string</totalCharge>
    <gsNoonAmount>string</gsNoonAmount>
    <gsAmAmount>string</gsAmAmount>
    <movePoints>
      <movePoint>
        <pointType>string</pointType>
        <pointCity>string</pointCity>
        <state>string</state>
        <zipCode>string</zipCode>
        <terminalId>string</terminalId>
        <terminalName>string</terminalName>
        <terminalNumber>string</terminalNumber>
      </movePoint>
      <movePoint>
        <pointType>string</pointType>
        <pointCity>string</pointCity>
        <state>string</state>
        <zipCode>string</zipCode>
        <terminalId>string</terminalId>
        <terminalName>string</terminalName>
        <terminalNumber>string</terminalNumber>
      </movePoint>
    </movePoints>
    <rateDetail>
      <rateItem>
        <freightClass>string</freightClass>
        <weight>string</weight>
        <rate>string</rate>
        <amount>string</amount>
      </rateItem>
      <rateItem>
        <freightClass>string</freightClass>
        <weight>string</weight>
        <rate>string</rate>
      </rateItem>
    </rateDetail>
  </quote>
</rateQuote>
```

```

    <amount>string</amount>
  </rateItem>
</rateDetail>
<accessorialDetail>
  <accessorialItem>
    <code>string</code>
    <tariff>string</tariff>
    <description>string</description>
    <charge>string</charge>
  </accessorialItem>
  <accessorialItem>
    <code>string</code>
    <tariff>string</tariff>
    <description>string</description>
    <charge>string</charge>
  </accessorialItem>
</accessorialDetail>
<totalWeight>string</totalWeight>
<discountPercent>string</discountPercent>
<fscPercent>string</fscPercent>
<asWeight>string</asWeight>
<codAmount>string</codAmount>
</quote>
<errors>
  <number>string</number>
  <message>string</message>
</errors>
</rateQuote>

```

SECTION 3 – XML ATTRIBUTES

Attribute	Description
Quote	
quoteNumber	Number assigned to rate quote
quoteDate	Date of rate quote
quoteExpirationDate	Expiration date of rate quote
accountNumber	Pricing account use for rate quote
grossCharge	Gross freight charge
discountAmount	Freight discount amount
accessorialAmount	Total accessorial charges
fscAmount	Fuel surcharge amount
totalCharge	Total rate quote standard amount
gsNoonAmount	Total rate quote with Guaranteed By Noon service amount
gsAmAmount	Total rate quote with Guaranteed By 9:00 am service amount
movePoints	Origin and destination information
movePoint	Individual move point information
pointType	Origin or destination
pointCity	Point city name
State	State code
zipCode	Zip code
terminalId	Terminal alpha code
terminalName	Terminal name
TerminalNumber	Terminal number
rateDetail	Detail class rate information section

rateItem	Individual rated line item
freightClass	Rated NMFC class
weight	Rated weight
rate	Rated rate amount
amount	Rated freight charge
accessorialDetail	Detail accessorial rate information section
Code	Accessorial alpha code
Tariff	Accessorial number in rules tariff
description	Description of accessorial
charge	Rated accessorial charge
totalWeight	Total shipment weight
discountPercent	Percentage used to calculate freight discount amount
fscPercent	Percentage used to calculate fuel surcharge amount
asWeight	Rated as-weight for deficit weight calculations
codAmount	Amount used to calculate accessorial C.O.D. fee
Errors	
Number	Runtime error number
message	Runtime error message