Daylight Transport
XML Services User’s Guide
Introduction

Procedure for Rate Quote Request

a. Build XML Request
b. Connect to internet and Send Request
c. Obtain XML Response

Introduction

This document describes the information and process required to access on-line XML services provided by Daylight Transport. At present Daylight Transport provides easy access to Shipment status information, obtaining customer specific Rate Quotes and requesting Pickup orders for its customers and business partners. Following diagram and description following it, explains the process of making request and obtaining response as XML.

Following steps need to be followed, in order for daylight’s customer or business partner to communicate directly to daylight’s XML server and obtain information.

1. Build XML request as per the predefined schema
2. Connect to Internet and transmit generated XML request to Daylight’s XML server for processing.
3. Daylight’s XML server will generate XML response and transmits back.
4. Parse the response XML to find success or failure of the request processing and extract required information in case of successful request processing.
**Procedure for Rate Quote Request**

In order to submit rate quote request using XML, partner has to follow each steps listed below.

- Build XML request
- Transmit XML Request over http and Obtain XML response


<table>
<thead>
<tr>
<th>Input</th>
<th>XML Tag</th>
<th>Values/Restriction</th>
</tr>
</thead>
<tbody>
<tr>
<td>Request Name</td>
<td>&lt;dyltRateQuoteReq&gt;</td>
<td>Use exactly as shown for rate quote request</td>
</tr>
<tr>
<td>Account Number</td>
<td>&lt;accountNumber&gt;</td>
<td>Your Daylight Account Number</td>
</tr>
<tr>
<td>User Name</td>
<td>&lt;userName&gt;</td>
<td>Use your mydaylight account user name</td>
</tr>
<tr>
<td>Password</td>
<td>&lt;password&gt;</td>
<td>Use your mydaylight account password</td>
</tr>
<tr>
<td>Billing Terms</td>
<td>&lt;billTerms&gt;</td>
<td>Billing Terms can have one of following values...</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Prepaid</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Collect</td>
</tr>
<tr>
<td>Service Type</td>
<td>&lt;serviceType&gt;</td>
<td>Service Type can have one of following values...</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LTL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>URGENT CARE</td>
</tr>
<tr>
<td>Shipper Info Tag</td>
<td>&lt;shipperInfo&gt;</td>
<td>Parent tag for shipper information</td>
</tr>
<tr>
<td>Shipper Number</td>
<td>&lt;customerNumber&gt;</td>
<td>Indicates shipper account number</td>
</tr>
<tr>
<td>Shipper Name</td>
<td>&lt;customerName&gt;</td>
<td>Indicates shipper name</td>
</tr>
<tr>
<td>Shipper Address Tag</td>
<td>&lt;customerAddress&gt;</td>
<td>Parent tag for shipper's address information</td>
</tr>
<tr>
<td>Shipper Street Address</td>
<td>&lt;streetAddress&gt;</td>
<td>Shipper's street address</td>
</tr>
<tr>
<td>Shipper Apt Address</td>
<td>&lt;aptAddress&gt;</td>
<td>Shipper's apartment/suite information</td>
</tr>
<tr>
<td>Shipper City</td>
<td>&lt;city&gt;</td>
<td>Shipper's City name</td>
</tr>
<tr>
<td>Shipper State</td>
<td>&lt;state&gt;</td>
<td>Shipper's 2-Character US State Code</td>
</tr>
<tr>
<td>Shipper Zip</td>
<td>&lt;zip&gt;</td>
<td>Shipper's 5-Digit US Zip code</td>
</tr>
<tr>
<td>Consignee Info Tag</td>
<td>&lt;consigneeInfo&gt;</td>
<td>Parent tag for consignee information</td>
</tr>
<tr>
<td>Consignee Number</td>
<td>&lt;customerNumber&gt;</td>
<td>Indicates consignee account number</td>
</tr>
<tr>
<td>Consignee Name</td>
<td>&lt;customerName&gt;</td>
<td>Indicates consignee name</td>
</tr>
<tr>
<td>Consignee Address Tag</td>
<td>&lt;customerAddress&gt;</td>
<td>Parent tag for consignee's address information</td>
</tr>
<tr>
<td>Consignee Street Address</td>
<td>&lt;streetAddress&gt;</td>
<td>Consignee's street address</td>
</tr>
<tr>
<td>Consignee Apt Address</td>
<td>&lt;aptAddress&gt;</td>
<td>Consignee’s apartment/suite information</td>
</tr>
<tr>
<td>Consignee City</td>
<td>&lt;city&gt;</td>
<td>Consignee’s City name</td>
</tr>
<tr>
<td>Consignee State</td>
<td>&lt;state&gt;</td>
<td>Consignee’s 2-Character US State Code</td>
</tr>
<tr>
<td>Consignee Zip</td>
<td>&lt;zip&gt;</td>
<td>Consignee’s 5-Digit US Zip code</td>
</tr>
<tr>
<td>Items Tag</td>
<td>&lt;items&gt;</td>
<td>Parent tag for Items</td>
</tr>
<tr>
<td>Item Tag</td>
<td>&lt;item&gt;</td>
<td>Parent tag for an item, can have maximum of 250 items.</td>
</tr>
<tr>
<td>Item description</td>
<td>&lt;description&gt;</td>
<td>Description of an item</td>
</tr>
<tr>
<td>NMFC Number</td>
<td>&lt;nmfcNumber&gt;</td>
<td>NMFC number of an item</td>
</tr>
<tr>
<td>NMFC sub Number</td>
<td>&lt;nmfcSubNumber&gt;</td>
<td>NMFC sub number of an item</td>
</tr>
<tr>
<td>Pieces</td>
<td>&lt;pcs&gt;</td>
<td>Number of pieces</td>
</tr>
<tr>
<td>Weight</td>
<td>&lt;weight&gt;</td>
<td>Weight of an item, maximum 15000 lbs.</td>
</tr>
<tr>
<td>Actual Class</td>
<td>&lt;actualClass&gt;</td>
<td>Class of the freight</td>
</tr>
<tr>
<td>Accessorial</td>
<td>&lt;accessorials&gt;</td>
<td>Parent tag for Accessorials</td>
</tr>
<tr>
<td>Accessorial</td>
<td>&lt;accessorial&gt;</td>
<td>Parent tag for an accessorial</td>
</tr>
<tr>
<td>Accessorial Name</td>
<td>&lt;accName&gt;</td>
<td>Specifies type of accessorial requested. It can have one of the following values...</td>
</tr>
</tbody>
</table>

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| Accessorial Id | <accId> | Specifies actual accessorial requested. For **Pickup** it can have one of the following values...  
**Residential Pickup**  
**Lift Gate Pickup**  
**Inside Pickup**  
**Convention Pickup**  
**Construction-Utily-Mine or Rmt Pickup**  
For **Delivery** it can have one of the following values...  
**Residential Delivery**  
**Lift Gate Delivery**  
**Inside Delivery**  
**Convention Delivery**  
**Construction-Utility-Mine or Rmt Del**  
For **Other** it can have one of the following values...  
**COD Fee**  
**Compliance Services Fee** |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Accessorial Value</td>
<td>&lt;accValue&gt;</td>
<td>Applied only for <strong>COD Fee</strong>, specify the amount of COD, to facilitate Daylight Transport to determine accessorial charges correctly.</td>
</tr>
</tbody>
</table>
<streetAddress>123 MAIN RD</streetAddress>
<aptAddress></aptAddress>
<city>FITCHBURG</city>
<state>MA</state>
<zip>01420</zip>
</customerAddress>
</consigneeInfo>
<items>
  <item>
    <description>shelvine</description>
    <nmfcNumber>82560</nmfcNumber>
    <nmfcSubNumber>2</nmfcSubNumber>
    <pcs>1</pcs>
    <weight>100</weight>
    <actualClass>100</actualClass>
  </item>
  <item>
    <description>wastebasket</description>
    <nmfcNumber>174340</nmfcNumber>
    <nmfcSubNumber>2</nmfcSubNumber>
    <pcs>2</pcs>
    <weight>200</weight>
    <actualClass>085</actualClass>
  </item>
  <item>
    <description>table tops</description>
    <nmfcNumber>83620</nmfcNumber>
    <nmfcSubNumber>2</nmfcSubNumber>
    <pcs>3</pcs>
    <weight>300</weight>
    <actualClass>070</actualClass>
  </item>
</items>
<accessorials>
  <accessorial>
    <accName>Pickup</accName>
    <accId>Residential Pickup</accId>
    <accValue /></accessorial>
  <accessorial>
    <accName>Delivery</accName>
    <accId>Lift Gate Delivery</accId>
    <accValue /></accessorial>
  <accessorial>
    <accName>Other</accName>
    <accId>COD Fee</accId>
    <accValue>1000.79</accValue></accessorial>
</accessorials>
</dyltRateQuoteReq>

Transmit XML Request over http and obtain XML response – This involves following three steps.

a. Making connection to Daylight Transport’s XML server
b. Sending XML request created in Step 1
c. Receiving XML Response

a. Customers and partners are free to use programming language of their choice to make http connection to Daylight’s XML server at
b. Java code is similar to what mentioned earlier, only change is for the value of msg, which corresponds to pickup request.


d. Following table explains XML tags and its values.

<table>
<thead>
<tr>
<th>Output</th>
<th>XML Tag</th>
<th>Values/Restriction</th>
</tr>
</thead>
<tbody>
<tr>
<td>Response Name</td>
<td>&lt;dyltRateQuoteResp&gt;</td>
<td>This tag serves as parent tag for rate quote response.</td>
</tr>
<tr>
<td>Success</td>
<td>&lt;success&gt;</td>
<td>Indicates if request is processed successfully or not. If ‘YES’ means request is processed successfully and user can parse the response XML further to get required information. 'NO' indicates that request is not processed successfully and user is required to process “errorInformation(errorMessage)” tag to get further information.</td>
</tr>
<tr>
<td>Error Information Tag</td>
<td>&lt;errorInformation&gt;</td>
<td>Parent Tag for error messages</td>
</tr>
<tr>
<td>Error Message</td>
<td>&lt;errorMessage&gt;</td>
<td>Description of error if any, please see “Error Messages” Section below.</td>
</tr>
<tr>
<td>Quote Number</td>
<td>&lt;quoteNumber&gt;</td>
<td>Quote number</td>
</tr>
<tr>
<td>Quote Date</td>
<td>&lt;quoteDate&gt;</td>
<td>Date when quote obtained</td>
</tr>
<tr>
<td>Total Weight</td>
<td>&lt;totalWeight&gt;</td>
<td>Total weight for all the items</td>
</tr>
<tr>
<td>Minimum Used</td>
<td>&lt;minimumUsed&gt;</td>
<td>Indicates type of minimum used for rate calculation</td>
</tr>
<tr>
<td>Origin Zip Code</td>
<td>&lt;origZip&gt;</td>
<td>Origin zip code</td>
</tr>
<tr>
<td>Destination Zip Code</td>
<td>&lt;destZip&gt;</td>
<td>Destination zip code</td>
</tr>
<tr>
<td>Rate Base Name</td>
<td>&lt;rateBaseName&gt;</td>
<td>Name of the rate base used for calculating rates</td>
</tr>
<tr>
<td>Item Charges</td>
<td>&lt;itemCharges&gt;</td>
<td>Parent tag for Items charges</td>
</tr>
<tr>
<td>Item Charge</td>
<td>&lt;itemCharge&gt;</td>
<td>Parent tag for an Item charge</td>
</tr>
<tr>
<td>Item Description</td>
<td>&lt;description&gt;</td>
<td>Item Description</td>
</tr>
<tr>
<td>Item NMFC Number</td>
<td>&lt;nmfcNumber&gt;</td>
<td>Item NMFC Number</td>
</tr>
<tr>
<td>Item NMFC Sub Number</td>
<td>&lt;nmfcSubNumber&gt;</td>
<td>Item NMFC Sub Number</td>
</tr>
<tr>
<td>Pieces</td>
<td>&lt;pcs&gt;</td>
<td>Pieces</td>
</tr>
<tr>
<td>Weight</td>
<td>&lt;weight&gt;</td>
<td>Weight</td>
</tr>
<tr>
<td>Actual Class</td>
<td>&lt;actualClass&gt;</td>
<td>Actual Freight Class</td>
</tr>
<tr>
<td>Rate Class</td>
<td>&lt;rateClass&gt;</td>
<td>Class used for calculating rates</td>
</tr>
<tr>
<td>Rate</td>
<td>&lt;rate&gt;</td>
<td>Rate per cwt</td>
</tr>
<tr>
<td>Charge</td>
<td>&lt;charge&gt;</td>
<td>Charge for an item</td>
</tr>
<tr>
<td>Discount Percentage</td>
<td>&lt;discountPct&gt;</td>
<td>Application discount percentage</td>
</tr>
<tr>
<td>Accessorial Charges</td>
<td>&lt;accessorialCharges&gt;</td>
<td>Parent tag for accessorial charges</td>
</tr>
<tr>
<td>Accessorial Charge</td>
<td>&lt;accessorialCharge&gt;</td>
<td>Parent tag for accessorial</td>
</tr>
<tr>
<td>Requested Accessorial</td>
<td>&lt;reqAccessorial&gt;</td>
<td>Requested accessorial, it can have one of the following values...</td>
</tr>
</tbody>
</table>
### Accessorial Rate
- **<accRate>**
  - Rate for the accessorials

### Accessorial Charge
- **<accCharge>**
  - Accessorial charge

### Total Charges
- **<totalCharges>**
  - Parent tag for total charges

### Gross Charge
- **<grossCharge>**
  - Gross charge

### Fuel Surcharge
- **<fuelSurcharge>**
  - Fuel surcharge Rate

### Total Accessorial
- **<totalAccessorial>**
  - Total charges for all accessorials

### Discount Amount
- **<discountAmt>**
  - Total applicable discount amount

### Net Charge
- **<netCharge>**
  - Net charges

### Service Standards
- **<serviceStandards>**
  - Parent tag for service standards

### Pickup Day
- **<pickupDay>**
  - Indicates the day of the pickup

### Delivery Day
- **<deliveryDay>**
  - Indicates the day of the delivery

### Transit Time
- **<transitTime>**
  - Actual transit time in number of business days

---

Following is the sample XML response generated by Daylight Transport’s XML server for the corresponding request.

```xml
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<dayltRateQuoteResp>
  <success>YES</success>
  <errorInformation>
    <errorMesage></errorMesage>
  </errorInformation>
  <quoteNumber>478286</quoteNumber>
  <quoteDate>06/20/2006</quoteDate>
  <totalWeight>600</totalWeight>
  <minimumUsed></minimumUsed>
  <origZip>90221</origZip>
  <destZip>01420</destZip>
  <rateBaseName>Daylight 2006</rateBaseName>
  <itemCharges>
    <itemCharge>
      <description>shelvine</description>
      <nmfcNumber>82560</nmfcNumber>
      <nmfcSubNumber>2</nmfcSubNumber>
      <pcs>1</pcs>
      <weight>100</weight>
      <actualClass>100</actualClass>
      <rateClass>100</rateClass>
      <rate>62.10</rate>
      <charge>62.10</charge>
    </itemCharge>
  </itemCharges>
</dayltRateQuoteResp>
```
<discountPct>0.00</discountPct>
</itemCharge>
<itemCharge>
<description>wastebasket</description>
<nmfcNumber>174340</nmfcNumber>
<nmfcSubNumber>2</nmfcSubNumber>
<pcs>2</pcs>
<weight>200</weight>
<actualClass>085</actualClass>
<rateClass>085</rateClass>
<rate>62.10</rate>
<charge>124.20</charge>
<discountPct>0.00</discountPct>
</itemCharge>
<itemCharge>
<description>table tops</description>
<nmfcNumber>83620</nmfcNumber>
<nmfcSubNumber>2</nmfcSubNumber>
<pcs>3</pcs>
<weight>300</weight>
<actualClass>070</actualClass>
<rateClass>070</rateClass>
<rate>62.10</rate>
<charge>186.30</charge>
<discountPct>0.00</discountPct>
</itemCharge>
<accessorialCharges>
<accessorialCharge>
<reqAccessorial>Residential Pickup</reqAccessorial>
<accRate>3.50</accRate>
<accCharge>45.00</accCharge>
</accessorialCharge>
<accessorialCharge>
<reqAccessorial>Lift Gate Delivery</reqAccessorial>
<accRate>3.00</accRate>
<accCharge>45.00</accCharge>
</accessorialCharge>
<accessorialCharge>
<reqAccessorial>COD Fee</reqAccessorial>
<accRate>1.50</accRate>
<accCharge>50.00</accCharge>
</accessorialCharge>
<accessorialCharge>
<reqAccessorial>Urgent Care Service</reqAccessorial>
<accRate>41.00</accRate>
<accCharge>152.77</accCharge>
</accessorialCharge>
<accessorialCharge>
<reqAccessorial>Fuel Surcharge</reqAccessorial>
<accRate>19.75</accRate>
<accCharge>73.59</accCharge>
</accessorialCharge>
<totalCharges>
<grossCharge>372.60</grossCharge>
<fuelSurcharge>19.75</fuelSurcharge>
<totalAccessorial>366.36</totalAccessorial>
<discountAmt>0.00</discountAmt>
<netCharge>738.96</netCharge>
</totalCharges>
<serviceStandards>
<serviceStandard>
    <pickupDay>Monday</pickupDay>
    <deliveryDay>Monday</deliveryDay>
    <transitTime>5 day(s) GUARANTEED</transitTime>
</serviceStandard>
<serviceStandard>
    <pickupDay>Tuesday</pickupDay>
    <deliveryDay>Monday</deliveryDay>
    <transitTime>4 day(s) GUARANTEED</transitTime>
</serviceStandard>
<serviceStandard>
    <pickupDay>Wednesday</pickupDay>
    <deliveryDay>Monday</deliveryDay>
    <transitTime>3 day(s) GUARANTEED</transitTime>
</serviceStandard>
<serviceStandard>
    <pickupDay>Thursday</pickupDay>
    <deliveryDay>Tuesday</deliveryDay>
    <transitTime>3 day(s) GUARANTEED</transitTime>
</serviceStandard>
<serviceStandard>
    <pickupDay>Friday</pickupDay>
    <deliveryDay>Wednesday</deliveryDay>
    <transitTime>3 day(s) GUARANTEED</transitTime>
</serviceStandard>
</serviceStandards>
</dyltRateQuoteResp>

Possible Error Messages:

In case of any error either in XML request or generated during request processing will be communicated by XML response. The returned response will have <success> tag which will have value of YES/NO to indicate successful processing of a request. In case of Failure, <errorInformation \errorMessage> tag will provide more information. Please note that in case of error returning schema may or may not have all the elements. It is advised to first check value of <success> tag and corresponding <errorMessage> Some of the messages could be

A. Invalid Schema: This error will be generated if incoming XML request doesn’t confirm to schema [http://ws.dylt.com/XML/Schema/dyltRateQuoteReq.xsd](http://ws.dylt.com/XML/Schema/dyltRateQuoteReq.xsd).
B. Invalid User name and password: This error will be generated if supplied user name and password doesn’t match with information provided during account registration time.
C. Invalid Lane: This error will be generated when Daylight Transport does not service specified zip code pair.
D. Invalid Shipper Number: This error will be generated when Shipper number not supplied.
E. Please supply shipper street address. : This error will be generated when shipper street address in not supplied.
F. Please supply valid consignee number, As Billing Term equals to Collect : This error will be generated when Consignee number is not supplied in case of billing term equals to Collect.
G. Consignee has Credit issue: This message will be generated when billing term equals to Collect and supply Consignee has not proper credit.
H. Account Credit issue: This message will be generated when billing term equals to Prepaid and Requested Account has not proper credit.
I. This is a special Shipment! Information Passed to Daylight Customer Service Department. They will contact with Quote Number. : This error will be generated when Shipper or consignee zip is one of the excluded/special zip for the shipment.