

**UPS SurePost[®] –
Rating Package
XML and Web
Services Developers
Guide Supplement**

December 31, 2012



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1.1 Important Information

UPS Developer APIs

Your development of an application using the UPS Web Services APIs are governed by the UPS Technology Agreement or UPS Customer Technology Agreement you entered into with UPS. The following are key legal requirements from these agreements for the UPS Web Services APIs. For more information on all requirements for the UPS Web Services APIs, please refer to the UPS Technology Agreement or the Customer Technology Agreement.

Key Legal Requirements for UPS Developer APIs

Permitted Territories

This document can only be used in the countries listed in Exhibit C of the UPS Technology Agreement or UPS Customer Technology Agreement.

Use

The application must not be designed to allow distribution of information received through the UPS Web Services APIs to third parties, other than to persons having a bona fide interest in such information (e.g., the shipper, receiver or the third party payer).

Consent to Use of UPS Mark

- All screens or forms generated by your application including information received through the UPS Web Services APIs must include (1) the UPS Mark positioned in reasonable proximity to the Information and of an appropriate size to readily identify the source of the Information as UPS and (2) the following language at the bottom of every screen that displays the UPS Mark: "UPS, the UPS brand mark, and the Color Brown are trademarks of United Parcel Service of America, Inc. All Rights Reserved". Except as set forth in the preceding sentence, you have no right to use the UPS Mark without the prior written approval of UPS.
- You shall not use the UPS Mark in association with any third party trademarks in a manner that might suggest co-branding or otherwise create potential confusion as to source or sponsorship of the application, or ownership of the UPS Mark.
- The UPS Mark shall be used only as provided by UPS electronically or in hard copy form. The UPS Mark may not be altered in any manner, including proportions, colors, elements, etc., or animated, morphed or otherwise distorted in perspective or dimensional appearance.
- The UPS Mark may not be combined with any other symbols, including words, logos, icons, graphics, photos, slogans, numbers or other design elements. A minimum amount of empty space must surround the UPS Mark separating it from any other object, such as type, photography, borders, edges, etc. The required area of empty space around the UPS Mark must be $1/3x$, where x equals the height of the UPS Mark.

Copyright and Proprietary Notice

In your application and any POD Letters you prepare you must include a prominent reproduction of UPS's copyright and proprietary notices in a form and format specified by UPS (See Copyright Section of this document).

Display of Information

The application must not display information concerning any other provider of shipping services or such other shipping services on any page, whether comprising one or more frames, displaying information your application receives from the UPS Web Services APIs. Your application must present all data within each field received through the UPS Web Services APIs without amendment, deletion or modification of any type.

1.2 How to Use this Guide

This guide is a supplement to the UPS Developer Kit Rating API document. Please refer to that document for additional detail regarding the core information about using the Rating API.

UPS SurePost® Description

UPS SurePost® is a contract-only, small package ground transportation service with USPS final mile delivery for shippers meeting volume and other qualifying package criteria for this service. Parcels may be shipped only from the 48 contiguous United States. Valid destinations are residential consignees in any US State, US Territory, Puerto Rico, PO Box and APO/ FPO/DPO addresses. According to your contract*, you may be authorized to ship one or more of the following UPS SurePost® services:

- UPS SurePost® Less than 1 lb – for parcels with a weight of 1 ounce to 15.99 ounces
- UPS SurePost® 1 lb or Greater – for parcels with a weight of 1 lb to 70 lbs
- UPS SurePost® BPM – a content driven service for bound printed matter parcels with weight of 1 lb to 15 lbs
- UPS SurePost® Media – a content driven service for media parcels with weight of 1 lb to 70 lbs

* Your contract may be restricted to US48 PO Box and APO/FPO/DPO only, which limits the use of UPS SurePost® to the UPS SurePost® Less than 1 lb and UPS SurePost® 1 lb or Greater services

1.3 Business Processes and Rules

The following UPS data and business rules are required for the UPS SurePost® manifesting process.

1. **Mailer ID** – This UPS-provided number is owned by UPS and assigned to you to be used for UPS SurePost® shipping with UPS. It is used to create the USPS Delivery Confirmation, PIC (Package Identification Code) for USPS final mile deliveries. If you are a contract customer of UPS Mail Innovations® and/or the UPS Returns® Flexible Access service, this will be a different Mailer ID than you are currently using. The UPS SurePost® mailer ID may be used only for UPS SurePost®.
2. **Non-Machineable Rating** – All UPS SurePost® package are subject to a non-Machineable surcharge if they meet the package characteristic of the Non-Machineable rules. Refer also to the section Non-Machineable Rating Rules.
3. **Service Selection** – Determine whether the package to be manifested meets the qualifications described below.

UPS SurePost® Package Qualifications

A package qualifies for UPS SurePost® by meeting the following conditions:

- Residential consignee address
- Origin must be within the 48 contiguous United States
- Destination must be one of the following:
 - United States (all 50 states)
 - US Territories:
 - American Samoa (AS)
 - Guam (GU)
 - Marshall Islands (MH)
 - Micronesia (FM)
 - Northern Mariana Islands (MP)
 - Puerto Rico (PR)
 - Republic of Palau (PW)
 - US Virgin Islands (VI)
 - United States and US Territory PO Boxes
 - APO, FPO, and DPO Addresses

Weight and size limits depend on the selected UPS SurePost® category:

UPS SurePost® Category	Weight Range	Maximum Size
Less than 1 lb	1 oz to 15.99 ozs	130 inches (Length plus Girth)
1 lb or Greater	1 lb to 70 lbs	130 inches (Length plus Girth)
BPM	1 lb to 15 lbs	108 inches (Length plus Girth)
Media	1 lb to 70 lbs	108 inches (Length plus Girth)

Valid manifest service options (accessorials) are QV Notifications (Current Status, Delivery, Exception) and UPS carbon neutral. Additional manifest service options are not available. For example, CODs, Signature Required, Adult Signature Required, UPS Return Services, and hazardous materials options are not available

UPS Delivery Intercept® is NOT available

Declared Value is NOT available

Valid package types are shipper supplied packaging and tube

Time in transit is NOT guaranteed

The bill to party must be the Shipper

Packages must be manifested in the XML request as single piece shipments

4. US Territory addresses

The US Territory addresses should use the following as the Country codes along with the appropriate ZIP code.

- AS for American Samoa
- GU for Guam
- MH for Marshall Islands
- FM for Micronesia
- MP for Northern Mariana Islands
- PR for Puerto Rico
- PW for Republic of Palau
- VI for US Virgin Islands

5. APO/FPO/DPO addresses

These addresses should also use the country code of “US” and should follow USPS guidelines for addressing military and diplomatic mail.

- Specify the name of the recipient in the CompanyName field (rank/grade/rating is optional).
- Specify the unit and APO/FPO/DPO number in the Address1 field.
- Specify APO, FPO, or DPO in the City field.
- Specify the appropriate two-letter abbreviation for the Armed Forces region in the StateProv field:
 - AA (for Armed Forces in the Americas excluding Canada)
 - AE (for Armed Forces in Europe including the Middle East, Africa, and Canada)

- AP (for Armed Forces in the Pacific)

6. Package Weight

- For the UPS SurePost® Less than 1 lb service, weights must be manifested in the XML request as ounces to a precision of one decimal places (hundredths of an ounce). XML requests supports a Unit of Measure(UOM) value for ounces.
- For the UPS SurePost® 1 lb or Greater, UPS SurePost® BPM, and UPS SurePost® Media services, weights should be manifested in the XML request as pounds to a precision of four decimal places (ten thousandths of a pound)

7. Rating UPS SurePost® Packages

All UPS SurePost® packages are rated according to your contracted rates for this service.

For rating purposes only, weights are rounded up to:

- The next whole pound for UPS SurePost® 1 lb or Greater, UPS SurePost® BPM, and UPS SurePost® Media
- The next whole ounce for UPS SurePost® Less than 1 lb, with the exception of packages that are between 15.00 and 15.99 ounces, which will round to 15.9 ounces. Packages that are 16 ounces or more must be shipped using UPS SurePost® 1 lb or Greater service.

8. UPS SurePost® Dimensional Weight Rules

UPS SurePost® packages are subject to dimensional weight rating for the following SurePost services :

- UPS SurePost® 1 lb or Greater
- UPS SurePost® Bound Printed Matter
- UPS SurePost® Media

9. Non-Machineable Rating Rules

A parcel must be manifested and rated as a Non-Machineable parcel if it meets any of the following conditions:

- the package type is tube
- the weight is greater than 35 pounds
- at least one side is greater than 34 inches
- the second longest side is greater than 17 inches

A UPS SurePost® parcel manifested with unspecified dimensions may be designated and rated as a Non-Machineable parcel.

10. DAS - Valid Delivery Area Surcharges

- The shipping system must not display the Delivery Area Surcharge or the Extended Delivery Area Surcharge to the user only when the surcharge value is zero.

1.4 UPS SurePost® Rating Web Services – XPATH Request

XML Version

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
POBoxIndicator	/RateRequest/Shipment/ShipTo/Address/POBoxIndicator	No	1	Empty		This field is a flag to indicate if the receiver address has PO box indicator. True if POBoxIndicator tag exists; false otherwise	
Code	/RateRequest/Shipment/Service/Code	Conditional	One	String	2	The code for the UPS Service associated with the shipment.	92= UPS SurePost® Less than 1 lb , 93 = UPS SurePost® 1 lb or Greater , 94 = UPS SurePost® BPM , 95 = UPS SurePost® Media
NonMachineableIndicator	/RateRequest/Shipment/Package/PackageServiceOptions/NonMachineableIndicator	No	1	Empty		Allow the UPS SurePost® customer to designate the shipment as non-machineable and True if non-machineable tag exists; false otherwise	Empty Tag.

1.5 UPS SurePost® Rating Web Services – XPATH Response

XML version

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
NonMachineableCharges	/RateResponse/RatedShipment/RatedPackage/NonMachineableCharges	Conditional	1	Container		Non Machineable Charges container.	Required if the non machineable charges are applied to Sure Post shipment
CurrencyCode	/RateResponse/RatedShipment/RatedPackage/NonMachineableCharges/CurrencyCode	Yes *	1	String		Accessorial charges currency code type. The currency code used in the Shipment request is returned.	Required if the Non Machineable Charges container is present
MonetaryValue	/RateResponse/RatedShipment/RatedPackage/NonMachineableCharges/MonetaryValue	Yes *	1	String		Accessorial charges value amount. Valid values are from 0 to 99999999999999.99	Required if the Non Machineable Charges container is present
NonDDUCharges	/RateResponse/RatedShipment/RatedPackage/NonDDUCharges	Conditional	1	Container		Non DDU Charges container.	Required if the non machineable charges are applied to Sure Post shipment
CurrencyCode	/RateResponse/RatedShipment/RatedPackage/NonDDUCharges/CurrencyCode	Yes *	1	String		Accessorial charges currency code type. The currency code used in the Shipment request is returned.	Required if the Non DDU Charges container is present
MonetaryValue	/RateResponse/RatedShipment/RatedPackage/NonDDUCharges/MonetaryValue	Yes *	1	String		Accessorial charges value amount. Valid values are from 0 to 99999999999999.99	Required if the Non DDU Charges container is present
SurePostDasCharges	/RateResponse/RatedShipment/RatedPackage/SurePostDasCharges	Conditional	1	Container		SurePostDasCharges container.	Required if the SurePostDasCharges are applied to Sure Post shipment
CurrencyCode	/RateResponse/RatedShipment/RatedPackage/SurePostDasCharges/CurrencyCode	Yes *	1	String		Accessorial charges currency code type. The currency code used in the Shipment request is returned.	Required if the SurePostDasCharges container is present

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
MonetaryValue	/RateResponse/RatedShipment/ RatedPackage/SurePostDasCh arges/MonetaryValue	Yes *	1	String		Accessorial charges value amount. Valid values are from 0 to 99999999999999.99	Required if the SurePostDasCharges container is present

1.6 UPS SurePost® Rating API – XPATH Request

XML version

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
POBoxIndicator	/RatingServiceSelectionRequest/Shipment/Shipper/Address/POBoxIndicator	No	1	Empty	N/A	Not Valid, if the indicator is present in Shipper Address	
POBoxIndicator	/RatingServiceSelectionRequest/Shipment/ShipTo/Address/POBoxIndicator	No	1	Empty		This field is a flag to indicate if the receiver address has PO box indicator. True if POBoxIndicator tag exists; false otherwise	
POBoxIndicator	/RatingServiceSelectionRequest/Shipment/ShipFrom/Address/POBoxIndicator	No	1	Empty	N/A	Not Valid, if the indicator is present in Ship from Address	
Code	/RatingServiceSelectionRequest/Shipment/Service/Code	Conditional	One	String	2	The code for the UPS Service associated with the shipment.	92= UPS SurePost® Less than 1 lb , 93 = UPS SurePost® 1 lb or Greater , 94 = UPS SurePost® BPM , 95 = UPS SurePost® Media
NonMachineableIndicator	/RatingServiceSelectionRequest/Shipment/Package/PackageServiceOptions/NonMachineableIndicator	No	1	Empty		Allow the UPS SurePost® customer to designate the shipment as non-machineable and True if non-machineable tag exists; false otherwise	

1.7 UPS SurePost® Rating API – XPATH Response

XML Version

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
NonMachineableCharges	/RatingServiceSelectionResponse/RatedShipment/RatedPackage/NonMachineableCharges	Conditional	1	Container		Non Machineable Charges container.	Required if the non machineable charges are applied to Sure Post shipment
CurrencyCode	/RatingServiceSelectionResponse/RatedShipment/RatedPackage/NonMachineableCharges/CurrencyCode	Yes *	1	String		Accessorial charges currency code type. The currency code used in the Shipment request is returned.	Required if the Non Machineable Charges container is present
MonetaryValue	/RatingServiceSelectionResponse/RatedShipment/RatedPackage/NonMachineableCharges/MonetaryValue	Yes *	1	String		Accessorial charges value amount. Valid values are from 0 to 99999999999999.99	Required if the Non Machineable Charges container is present
NonDDUCharges	/RatingServiceSelectionResponse/RatedShipment/RatedPackage/NonDDUCharges	Conditional	1	Container		Non DDU Charges container.	Required if the non machineable charges are applied to Sure Post shipment
CurrencyCode	/RatingServiceSelectionResponse/RatedShipment/RatedPackage/NonDDUCharges/CurrencyCode	Yes *	1	String		Accessorial charges currency code type. The currency code used in the Shipment request is returned.	Required if the Non DDU Charges container is present
MonetaryValue	/RatingServiceSelectionResponse/RatedShipment/RatedPackage/NonDDUCharges/MonetaryValue	Yes *	1	String		Accessorial charges value amount. Valid values are from 0 to 99999999999999.99	Required if the Non DDU Charges container is present
SurePostDasCharges	/RatingServiceSelectionResponse/RatedShipment/RatedPackage/SurePostDasCharges	Conditional	1	Container		SurePostDasCharges container.	Required if the SurePostDasCharges are applied to Sure Post shipment
CurrencyCode	/RatingServiceSelectionResponse/RatedShipment/RatedPackage/SurePostDasCharges/CurrencyCode	Yes *	1	String		Accessorial charges currency code type. The currency code used in the Shipment request is returned.	Required if the SurePostDasCharges container is present

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
MonetaryValue	/RatingServiceSelectionResponse/RatedShipment/RatedPackage/SurePostDasCharges/MonetaryValue	Yes *	1	String		Accessorial charges value amount. Valid values are from 0 to 99999999999999.99	Required if the SurePostDasCharges container is present

1.8 Sample Requests and Response

Sample Rating Web Services Request

```
<?xml version="1.0" encoding="UTF-8"?>
<env:Envelope xmlns:wsse="http://schemas.xmlsoap.org/ws/2002/04/secext"
  xmlns:env="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:upssa="http://www.ups.com/XMLSchema/XOLTWS/upssa/v1.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xmlns:wsf="http://www.ups.com/schema/wsf">
  <env:Header>
    <wsse:Security>
      <wsse:UsernameToken>
        <wsse:Username> YOURUSERID </wsse:Username>
        <wsse:Password> YOURPASSWORD </wsse:Password>
      </wsse:UsernameToken>
      <upssa:UPSServiceAccessToken>
        <upssa:AccessLicenseNumber> YOURACCESSLICENSENUMBER </upssa:AccessLicenseNumber>
      </upssa:UPSServiceAccessToken>
    </wsse:Security>
  </env:Header>
  <env:Body>
    <rate:RateRequest xsi:schemaLocation="http://www.ups.com/XMLSchema/XOLTWS/Rate/v1.1 D:\ER-
1208\schema\rate.xsd" xmlns:rate="http://www.ups.com/XMLSchema/XOLTWS/Rate/v1.1"
    xmlns:common="http://www.ups.com/XMLSchema/XOLTWS/Common/v1.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance">
      <common:Request>
        <common:RequestOption>Rate</common:RequestOption>
        <common:TransactionReference>
          <common:CustomerContext> RATE Webservice</common:CustomerContext>
        </common:TransactionReference>
      </common:Request>
      <rate:PickupType>
        <rate:Code>01</rate:Code>
        <rate:Description>Daily Pickup</rate:Description>
      </rate:PickupType>
      <rate:CustomerClassification>
        <rate:Code>01</rate:Code>
        <rate:Description>Classification</rate:Description>
      </rate:CustomerClassification>
      <rate:Shipment>
        <rate:Shipper>
          <rate:Name>Divya Mohan</rate:Name>
          <rate:ShipperNumber>AF6462</rate:ShipperNumber>
          <rate:Address>
            <rate:AddressLine>12380 Morris Road</rate:AddressLine>
            <rate:City>Alpharetta</rate:City>
            <rate:StateProvinceCode>GA</rate:StateProvinceCode>
            <rate:PostalCode>30005</rate:PostalCode>
            <rate:CountryCode>US</rate:CountryCode>
          </rate:Address>
        </rate:Shipper>
        <rate:ShipTo>
          <rate:Name>USPS</rate:Name>
          <rate:Address>
            <rate:AddressLine>General Delivery</rate:AddressLine>
            <rate:City>Belcher Town</rate:City>
            <rate:StateProvinceCode>MA</rate:StateProvinceCode>
            <rate:PostalCode>01007</rate:PostalCode>
            <rate:CountryCode>US</rate:CountryCode>
          </rate:Address>
        </rate:ShipTo>
      </rate:Shipment>
    </rate:RateRequest>
  </env:Body>
</env:Envelope>
```



```
        <rate:POBoxIndicator/>
      </rate:Address>
    </rate:ShipTo>
    <rate:ShipFrom>
      <rate:Name>Vickie's Landscaping</rate:Name>
      <rate:Address>
        <rate:AddressLine>12380 Morris Road</rate:AddressLine>
        <rate:City>Alpharetta</rate:City>
        <rate:StateProvinceCode>GA</rate:StateProvinceCode>
        <rate:PostalCode>30005</rate:PostalCode>
        <rate:CountryCode>US</rate:CountryCode>
      </rate:Address>
    </rate:ShipFrom>
    <rate:InvoiceLineTotal>
      <rate:CurrencyCode>USD</rate:CurrencyCode>
      <rate:MonetaryValue>123</rate:MonetaryValue>
    </rate:InvoiceLineTotal>
    <rate:Service>
      <rate:Code>93</rate:Code>
      <rate:Description>Parcel Select</rate:Description>
    </rate:Service>
    <rate:Package>
      <rate:PackagingType>
        <rate:Code>02</rate:Code>
        <rate:Description>Rate Shopping</rate:Description>
      </rate:PackagingType>
      <rate:Dimensions>
        <rate:UnitOfMeasurement>
          <rate:Code>IN</rate:Code>
          <rate:Description>inches</rate:Description>
        </rate:UnitOfMeasurement>
        <rate:Length>20</rate:Length>
        <rate:Width>20</rate:Width>
        <rate:Height>15</rate:Height>
      </rate:Dimensions>
      <rate:PackageWeight>
        <rate:UnitOfMeasurement>
          <rate:Code>LBS</rate:Code>
          <rate:Description>pounds</rate:Description>
        </rate:UnitOfMeasurement>
        <rate:Weight>11</rate:Weight>
      </rate:PackageWeight>
      <rate:PackageServiceOptions>
        <rate:NonMachineableIndicator/>
      </rate:PackageServiceOptions>
    </rate:Package>
    <rate:ShipmentServiceOptions/>
  </rate:Shipment>
</rate:RateRequest>
</env:Body>
</env:Envelope>
```

Sample Rating Web Services Response

```

- <soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
  <soapenv:Header />
  <soapenv:Body>
    <rate:RateResponse xmlns:rate="http://www.ups.com/XMLSchema/XOLTWS/Rate/v1.1">
      <common:Response xmlns:common="http://www.ups.com/XMLSchema/XOLTWS/Common/v1.0">
        <common:ResponseStatus>
          <common:Code>1</common:Code>
          <common:Description>Success</common:Description>
        </common:ResponseStatus>
        <common:Alert>
          <common:Code>112081</common:Code>
          <common:Description>A Delivery Area surcharge has been added to the service cost.</common:Description>
        </common:Alert>
        <common:Alert>
          <common:Code>110971</common:Code>
          <common:Description>Your invoice may vary from the displayed reference rates</common:Description>
        </common:Alert>
        <common:TransactionReference>
          <common:CustomerContext>RATE Webservice</common:CustomerContext>
        </common:TransactionReference>
      </common:Response>
    </rate:RateResponse>
  </soapenv:Body>
</soapenv:Envelope>

```

```

- <rate:ServiceOptionsCharges>
  <rate:CurrencyCode>USD</rate:CurrencyCode>
  <rate:MonetaryValue>2.25</rate:MonetaryValue>
</rate:ServiceOptionsCharges>
- <rate:NonMachineableCharges>
  <rate:CurrencyCode>USD</rate:CurrencyCode>
  <rate:MonetaryValue>2.25</rate:MonetaryValue>
</rate:NonMachineableCharges>
- <rate:SurePostDasCharges>
  <rate:CurrencyCode>USD</rate:CurrencyCode>
  <rate:MonetaryValue>1.00</rate:MonetaryValue>
</rate:SurePostDasCharges>
- <rate:TotalCharges>
  <rate:CurrencyCode>USD</rate:CurrencyCode>
  <rate:MonetaryValue>32.73</rate:MonetaryValue>
</rate:TotalCharges>
  <rate:Weight>11.0</rate:Weight>
- <rate:BillingWeight>
- <rate:UnitOfMeasurement>
  <rate:Code>LBS</rate:Code>
  <rate:Description>Pounds</rate:Description>
</rate:UnitOfMeasurement>
  <rate:Weight>37.0</rate:Weight>
</rate:BillingWeight>
</rate:RatedPackage>
</rate:RatedShipment>
</rate:RateResponse>
</soapenv:Body>
</soapenv:Envelope>

```

Sample Rating API Request

```

<?xml version="1.0"?>
<AccessRequest xml:lang="en-US">
  <AccessLicenseNumber> YOURACCESSLICENSENUMBER </AccessLicenseNumber>
  <UserId>YOURUSERID </UserId>
  <Password>YOURPASSWORD</Password>
</AccessRequest>
<?xml version="1.0"?>
<RatingServiceSelectionRequest xml:lang="en-US">
  <Request>
    <TransactionReference>
      <CustomerContext>XOLT Rate</CustomerContext>
      <XpciVersion>1.0</XpciVersion>
    </TransactionReference>

    <RequestAction>Rate</RequestAction>
    <RequestOption>Rate</RequestOption>

  </Request>

  <PickupType>
    <Code>01</Code>
  </PickupType>
  <Description>Daily Pickup</Description>
  <Shipment>
    <Description>Rate Rate</Description>
    <Shipper>
      <Name>Divya Mohan</Name>
      <ShipperNumber>AF6462</ShipperNumber>
    </Shipper>
  </Shipment>

```

```
<Address>
  <AddressLine1>12380 Morris Road</AddressLine1>
  <City>Alpharetta</City>
  <StateProvinceCode>GA</StateProvinceCode>
  <PostalCode>30005</PostalCode>
  <CountryCode>US</CountryCode>
</Address>
</Shipper>
<ShipTo>
  <CompanyName>Rock and a Hard Place</CompanyName>
  <AttentionName>MMMamaMia</AttentionName>
  <PhoneNumber>7777778978</PhoneNumber>
  <Address>
    <AddressLine>General Delivery</AddressLine>
    <City>Belcher Town</City>
    <StateProvinceCode>MA</StateProvinceCode>
    <PostalCode>01007</PostalCode>
    <CountryCode>US</CountryCode>
  </Address>
</ShipTo>
<ShipFrom>
  <CompanyName>Divya Mohan</CompanyName>
  <Address>
    <AddressLine1>12380 Morris Road</AddressLine1>
    <City>Alpharetta</City>
    <StateProvinceCode>GA</StateProvinceCode>
    <PostalCode>30005</PostalCode>
    <CountryCode>US</CountryCode>
  </Address>
</ShipFrom>
<Service>
  <Code>93</Code>
  <Description>Parcel Select</Description>
</Service>
<PaymentInformation>
  <Prepaid>
    <BillShipper>
      <AccountNumber>AF6462</AccountNumber>
    </BillShipper>
  </Prepaid>
</PaymentInformation>

  <Package>
    <PackagingType>
      <Code>02</Code>
    </PackagingType>
    <Description>Customer Supplied</Description>
    <PackageWeight>
      <UnitOfMeasurement>
        <Code>LBS</Code>
      </UnitOfMeasurement>
      <Weight>33</Weight>
    </PackageWeight>
    <PackageServiceOptions>
      <NonMachineableIndicator></NonMachineableIndicator>
    </PackageServiceOptions>
  </Package>
  <ShipmentServiceOptions>
    <ShipmentServiceOptions>
  </Shipment>
</RatingServiceSelectionRequest>
```

Sample Rating API Response

```

<?xml version="1.0" ?>
- <RatingServiceSelectionResponse>
- <Response>
- <TransactionReference>
  <CustomerContext>XOLT Rate</CustomerContext>
  <XpciVersion>1.0</XpciVersion>
</TransactionReference>
  <ResponseStatusCode>1</ResponseStatusCode>
  <ResponseStatusDescription>Success</ResponseStatusDescription>
</Response>
- <RatedShipment>
- <Service>
  <Code>93</Code>
</Service>
  <RatedShipmentWarning>A Delivery Area surcharge has been added to the service cost.</RatedShipmentWarning>
  <RatedShipmentWarning>Your invoice may vary from the displayed reference rates</RatedShipmentWarning>
- <BillingWeight>
- <UnitOfMeasurement>
  <Code>LBS</Code>
</UnitOfMeasurement>
  <Weight>33.0</Weight>
</BillingWeight>
- <TransportationCharges>
  <CurrencyCode>USD</CurrencyCode>
  <MonetaryValue>27.80</MonetaryValue>
</TransportationCharges>
- <ServiceOptionsCharges>
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  </RatedPackage>  
  </RatedShipment>  
</RatingServiceSelectionResponse>
```

Appendix A – UPS SurePost® Rating API and Web Services Error Codes

Error Code	Severity	Message
112070	Hard	The selected service allows only single-piece shipments.
112071	Hard	The package weight for the selected service must be between %country.minPkgWeight% and %country.maxPkgWeight% ounces.
112072	Hard	The package weight for the selected service must be between %country.minPkgWeight% and %country.maxPkgWeight% pounds.
112073	Hard	The unit of measure is invalid for either the selected service and/or packaging. Verify the selected Service and Packaging is valid for this shipment type.'
112074	Hard	Shipments delivered by UPS cannot be delivered to a PO Box, APO/FPO/DPO, or non-US48 address.
112075	Hard	PO Box shipments are not valid for the selected service.
112076	Hard	SurePost shipments for this UPS account can only be delivered to a PO Box/APO/FPO/DPO.'
112077	Hard	Shipper's UPS Account is not enabled for the requested SurePost service
112078	Warning	Non-Machinable is not applicable and has been removed from package {n}.
112079	Warning	Non-Machinable has automatically been added to package %package.index%.
112080	Warning	Non-DDU Facility Surcharge has automatically been added to package %package.index%.
112081	Warning	A Delivery Area surcharge has been added to the service cost