



Rating - Package

Web Service Developer Guide

March 26, 2018



Important Information

UPS Developer Kit APIs

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

Defined terms used but not defined in this document have the meaning set forth in the UPS Technology Agreement.

Key Legal Requirements for UPS Developer APIs

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The application must not be designed to allow distribution of information received through the UPS Developer Kit 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, or to your service providers authorized by UPS).

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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 Developer Kit APIs. Your application must present all data within each field received through the UPS Developer Kit APIs without amendment, deletion, or modification of any type.

Notice

In all communications with UPS concerning this document, please refer to the document date located on the cover.

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Chapter 1: Introduction

In this document, you will find guidance and instructions for integrating the Rating Package Web Service into your application, service, or system.

In this guide, you will find:

- New release features
- Rating Package Web Service API functionality and business rules
- Web service API request and response schema
- FAQs for the Rating API
- Rating error response code descriptions
- Service code references

This guide applies to the following API:

- SOAP API for the Rating Package Web Service

This guide does not apply to the following APIs:

- Rating Package XML API
- Rating Ground Freight or Air Freight API

Intended Audience

This guide is intended for developers who will be integrating the Rating Package Web Service API into their application, service, or system.

Required Knowledge & Skills

This guide assumes you have a basic understanding of the following:

- Concepts and instructions in the *Introduction to the UPS Developer Kit* guide
- XML syntax and structure
- Web services
- Software development

How to Use this Guide

- If this is your first time working with the UPS Developer Kit, begin with the *Introduction to the UPS Developer Kit* guide. This guide serves as the foundation for all API-specific developer guides.
- If you are experienced with the UPS Developer Kit but have not yet worked with the Rating API, continue with [Chapter 2: Understanding the Rating API](#). There you will find an overview of the Rating functionality and business rules.
- [Chapter 3: Customer Integration Environment \(CIE\)](#) contains information on UPS integration environments.
- [Chapter 4: Rating API Elements and Details](#) contains an overview of the top-level containers and elements that comprise the Rating request and response.
- Request and response examples are located in [Chapter 5: Rating Web Service Examples](#).
- Reference tables, services codes, and error codes are located in the [Appendices](#).

Release Features

January 2018

Description
Seasonal Surcharge enhancements <ul style="list-style-type: none"> Rate API will support three new general service offering (GSO) surcharges <ul style="list-style-type: none"> Transportation –based peak surcharge for US/PR and International shipments Additional handling Large Package for US Domestic and PR packages
Extended Area Surcharge <ul style="list-style-type: none"> Rate API will support Domestic Canada extended area surcharge for the following subtypes: <ul style="list-style-type: none"> Delivery area surcharge Delivery area surcharge – extended Delivery area surcharge - remote
Domestic Saver End of Day (EOD) <ul style="list-style-type: none"> Rate API to support new UPS Express 12:00 service for German domestic service The existing UPS Express Saver will now have an end of day commit time Rate API will support “Rate Shop” functionality for this service
Hazmat Emergency Phone number update <ul style="list-style-type: none"> Rate API will restrict certain special characters in the phone number field <ul style="list-style-type: none"> (each shown within quotation marks here for clarity): “period “.”, dash “-“, plus sign “+” and conventional parentheses “(“ and “)” “EXT or OPT”
New Error Codes – Please see appendix for new codes.
Added Support for Refrigeration at package level <ul style="list-style-type: none"> New request Containers/Elements /RateRequest/Shipment/Package/PackageServiceOptions/RefrigerationIndicator
UPS Proactive Response will now require a contract check
New Error Codes – Please see appendix for new codes.
Length Validation Update <p>Maximum allowed metric package length has been updated to 274 cm from 270 cm</p>
Large Package Surcharge enhancement <ul style="list-style-type: none"> New maximum length of 96"
New Subversion – 1801 <p>Including this SubVersion in a request made with the UPSSecurity schema will return additional error information pertaining to package validation errors if applicable. Please refer to the appendix for a list of containers that will be returned.</p>

July 2017

Description

Worldwide Express Freight (WWEF) NA 1 & Time of Day

- Rate API to support the new Worldwide Freight Midday service
- Enhancements to Rate API to include Rate Shop for WWEF and WWEF-Midday service
- New SubVersion value to support indicator at Package Level in response if the package has a Dry Ice accessory or is over-sized for UPS Worldwide Express Freight service and UPS Worldwide Express Freight Mid-day service – 1707.

New Response Containers/Elements

- /RatedShipment/RatedPackage/Accessorial
 - Code

Commercial Inside Release Enhancements

- Rating API to support new account level indication - Commercial US Domestic Signature Required.

New Business Rules regarding Saturday Delivery.

Peak Delivery Times

- UPS alters delivery time tables during seasons of peak business as well as some holidays. To see the most up-to-date information regarding delivery times, please use the new RateTimeInTransit or ShopTimeInTransit request options. Information returned in the /RatedShipment/TimeInTransit/ServiceSummary/EstimatedArrival container will have the most accurate delivery data.

March 2017

Description

- New Error Codes
- New Service names in Service Codes Appendix
- New /Shipment/DeliveryTimeInformation/PackageBillType value
 - 07 = Domestic Pallet

January 2017

Description

User Level Promotions

Rate API will support UserId level promotion/discount. If new indicator is requested, no shipper number is passed in the shipper container, and MY UPS ID is eligible for promotional discount, discounted rates will be returned in response under NegotiatedRates container.

New Request Containers/Elements

- /ShipmentRatingOptions/UserLevelDiscountIndicator

Time in Transit

Rate API will support the return of time in transit information when new RequestOptions “shoptimeintransit” and “ratetimeintransit” are passed, along with the new DeliveryTimeInformation container.

New RatingOption value to support Time In Transit Feature: shoptimeintransit, ratetimeintransit

New Request Containers/Elements

- /Shipment/ShipmentTotalWeight
 - UnitOfMeasurement

Description

- Code
- Description
- Weight
- /Shipment/DeliveryTimeInformation
 - PackageBillType
 - Pickup
 - Date
 - Time

New Response Containers/Elements

- /RatedShipment/TimeInTransit
 - PickupDate
 - DocumentsOnlyIndicator
 - PackageBillType
 - ServiceSummary
 - Service
 - Description
 - GuaranteedIndicator
 - Disclaimer
 - EstimatedArrival
 - Arrival
 - ▲ Date
 - ▲ Time
 - BusinessDaysInTransit
 - Pickup
 - ▲ Date
 - ▲ Time
 - DayOfWeek
 - CustomerCenterCutoff
 - DelayCount
 - HolidayCount
 - RestDays
 - TotalTransitDays
 - SaturdayDelivery
 - SaturdayDeliveryDisclaimer
 - AutoDutyCode
 - Disclaimer

Base Service Charge

Rate API will support the return of base service charge for all services. This value is the transportation cost of the service minus all fuel surcharges.

New SubVersion value to support BaseServiceCharge feature: 1701

Description**New Response Containers/Elements**

- /RatedShipment/BaseServiceCharge
 - CurrencyCode
 - MonetaryValue
- /RatedShipment/RatedPackage/BaseServiceCharge
 - CurrencyCode
 - MonetaryValue

Transactional Promotions

Rate API will support Transactional promotion/discount. If a shipment is requested with a valid PromoCode and PromoAlias Code and if the shipment is eligible for transactional promotional discount, discounted rates will be returned in the response under the NegotiatedRates container.

New Request Containers/Elements

- /Shipment/PromotionalDiscountInformation
 - PromoCode
 - PromoAliasCode

Dimensional Weight

Rate API will support the passing of customer calculated dimensional weight. This value will apply to non US/CA/PR shipments where dimensions are not provided.

New Request Containers/Elements

- /Shipment/DimWeight
 - UnitOfMeasurement
 - Code
 - Description
 - Weight

Global Dangerous Goods Expansion

Rate API enhanced will support shipping Dangerous/Hazardous material. Rate API is updated to support expansion and improvement of Cargo Quantities for US and International air services and remove DG class restrictions for existing International DG countries or territories. Rate API will support current levels of service for critical shipments in the healthcare industry, as well as to enhance customer experience and overall satisfaction.

New SubVersion value to support HazMat feature - 1701**New Request Containers/Elements**

- /Shipment/OriginRecordTransactionTimestamp
- /Shipment/Package/PackageServiceOptions/HazMat
 - /Shipment/Package/PackageServiceOptions/HazMat/PackagelIdentifier
 - /Shipment/Package/PackageServiceOptions/HazMat/QValue
 - /Shipment/Package/PackageServiceOptions/HazMat/OverPackedIndicator
 - /Shipment/Package/PackageServiceOptions/HazMat/AllPackedInOneIndicator
 - /Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord
 - ▲ /Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord/ChemicalRecordIdentifier
 - ▲ /Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord/ClassDivisionNumber
 - ▲ /Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord/IDNumber

Description

- ▲ /Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord/TransportationMode
- ▲ /Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord/RegulationSet
- ▲ /Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord/EmergencyPhone
- ▲ /Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord/EmergencyContact
- ▲ /Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord/ReportableQuantity
- ▲ /Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord/SubRiskClass
- ▲ /Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord/PackagingGroupType
- ▲ /Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord/Quantity
- ▲ /Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord/UOM
- ▲ /Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord/PackagingInstructionCode
- ▲ /Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord/ProperShippingName
- ▲ /Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord/TechnicalName
- ▲ /Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord/AdditionalDescription
- ▲ /Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord/PackagingType
- ▲ /Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord/HazardLabelRequired
- ▲ /Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord/PackagingTypeQuantity
- ▲ /Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord/CommodityRegulatedLevelCode
- ▲ /Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord/TransportCategory
- ▲ /Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord/TunnelRestrictionCode

Chapter 2: Understanding the Rating API

The Rating API is used when rating or shopping a shipment. The Rating API for packages allows you to submit two types of rate requests to UPS:

- A rate request to return the rate for a specific UPS service, for example, UPS Next Day Air
- A shop request to return all available services and their rates for a shipment

In this way, you and your customers are able to estimate their shipping costs prior to requesting a specific shipping service or service option.



WARNING: UPS restricts the usage of the Rating API to users who plan to ship packages manifested, tendered, and delivered by UPS. Any customers or developers abusing the API or data mining the API will have their access revoked.

Business Process and Rules

General

- UPS expects schema elements/tags as defined in the XPath and presented in the schema structure without spelling or structural deviations. Elements/tags that are not defined in the schema or do not conform to the schema structure will be ignored by UPS.
- Only users that plan to ship packages manifested, tendered, and delivered by UPS can use the Rating API.
- Any customers/developers abusing or data mining the Rating API will have their access revoked.
- To access API documentation the user must have or create a My UPS profile.
- To access testing and production sites the user must have an Access Key. To get an Access Key you must have a My UPS profile and an associated shipping account. For additional information, refer to the [UPS Developer Kit User Guide](#).
- The Rating Package API provides published and negotiated rates.
- For shipments with Ground Freight Pricing, Ground Freight Pricing's grand total can be calculated by adding NetCharge from FRSShipmentData container with ServiceOptionsCharges from ShipmentCharges container.

Negotiated Rates

The Rating API provides access to Published Rates as well as Negotiated Rates. A negotiated rate is established by contract between the customer and UPS.

If you have a pricing contract with UPS please contact your sales representative for proper setup.

Once your UPS sales rep has verified your setup you need to do the following:

1. Add your account to your My UPS profile using one of your most recent three invoices.
 - If you have never generated an invoice or have not generated an invoice in the past 90 days add the account using the pickup location postal code for the account.
 - Since you have not generated an invoice you will need to contact your sales representative a second time to enable negotiated rates in UPS systems.
2. When transacting with UPS API servers include the correct My UPS ID/PW + Account + Access Key.
3. Include the 'NegotiatedRatesIndicator' element within your XML request. The element is an empty tag.



IMPORTANT NOTES:

- ▲ Negotiated rates in the CIE are for test purposes only and are not representative of actual negotiated rates. A 1% discount is applied when requested.
- ▲ Post-shipment charges, such as address corrections, dimensional weight adjustments, and other adjustments will affect the actual rate billed which may differ from the rates returned by the Rating API.
- ▲ Make sure that all requests are identical when comparing shipping charges between applications and APIs that provide UPS Negotiated Rates.

- ▲ Working through discrepancies requires knowledge of all parameters posted, defaults, numeric rounding, and the rate table used by the applications being compared.

You can check your results against the UPS Calculate Time and Cost program: <https://wwwapps.ups.com/ctc>

Rate Types Table

The following table displays the Rate Chart that is returned by the Rating API based on the combination of CustomerClassification code, Pickup Type code, and Account Number.

Customer Classification	Pickup Type	Account Number	Rate Returned
00	Valid/Missing/Invalid	Valid	Rate associated with account number
00	Valid/Missing/Invalid	Missing/Invalid	Rate Type based on the shipper's country or territory
01	Valid/Missing/Invalid	Valid/Missing/Invalid	Daily Rates
04	Valid/Missing/Invalid	Valid/Missing/Invalid	Retail Rates
53	Valid/Missing/Invalid	Valid/Missing/Invalid	Standard List Rates
Missing/Invalid	01	Valid/Missing/Invalid	Daily Rates
Missing/Invalid	03/06/07/19/20	Valid/Missing/Invalid	Rate Type based on the shipper's country or territory
Missing/Invalid	Missing/Invalid	Valid	Rate associated with account number
Missing/Invalid	Missing/Invalid	Container provided but account number Invalid/Missing	Rate Type based on the shipper's country or territory
Missing/Invalid	Missing/Invalid	Not Provided	Rate Type based on the shipper's country or territory

User Level Promotion Business Processes and rules

User level promotion is for the customers who do not have a UPS shipper account. The following conditions need to be met to use user level promotions: UserLevelDiscountIndicator in request, do not pass shipper number, Username should be present and user should be eligible for a user level promotion.



If User level promotion is requested with a UPS shipper account (Shipper/ShipperNumber), User level promotion will not be requested for a given shipment.

Saturday Delivery

UPS offers Saturday Delivery options, for an additional charge, for many service levels. When requesting Time In Transit information with the Rating API, services that are eligible for Saturday Delivery may be returned. Services that are available for Saturday Delivery will have an Estimated Delivery day of week (/RatedShipment/TimeInTransit/ServiceSummary/EstimatedArrival/DayOfWeek) of "SAT" (Saturday). In addition, if there is a charge for the service, there will be a Saturday Delivery indicator with a value of "1" (/RatedShipment/TimeInTransit/ServiceSummary/SaturdayDelivery) along with a disclaimer that the service is available for an additional charge (/RatedShipment/TimeInTransit/ServiceSummary/SaturdayDeliveryDisclaimer).



Three Day Select and Ground services are now available for Saturday Delivery in some cities at no additional charge. To determine if either of these services are available for your transit lane you must include the ResidentialAddressIndicator in your Request. In this case, the Saturday Delivery indicator will have a value of "0" and no disclaimer will show. However, the Estimated Delivery day of week will still be "SAT".

Chapter 3: Customer Integration Environment (CIE)

The Customer Integration Environment allows customers to test their application prior to launch. This environment is intended for integration testing of customer applications with the UPS servers.

Once your application has been thoroughly tested, you should redirect the application to the UPS Production Environment.

No stress testing should ever be performed by customers against any UPS systems.

To access testing and production sites the user must have an Access Key. You can request an Access Key after establishing a UPS profile and associating your shipping account.

Test your Rate and Service selections using valid and invalid data elements including postal codes, weights, and package types. This will ensure that your application has the ability to process success and error responses correctly.

System Availability

The Customer Integration Environment is available 24 hours a day, 7 days a week. Note, the system is occasionally down for server maintenance.



All URLs are case sensitive.

Using Negotiated Rates in CIE

Negotiated rates are available in the UPS Customer Integration Environment (CIE) and are returned when the Negotiated Rate indicator is provided in the rate request.

- The negotiated rates returned do not reflect the contractual rate and may vary. Typically, they are 1% off the published rate.
- Also in the Customer Integration Environment, the shipper eligibility for negotiated rates is not fully verified.
- Negotiated Itemized Charges for UPS Worldwide Express Freight are not returned in CIE.
- 1% of tax charges and total charges with taxes are returned as negotiated rates in CIE mode if the TaxInformationIndicator is present in the request and if taxes are applicable.

User Level and Transactional Promotions in CIE

Discounted rates are available in the UPS Customer Integration Environment (CIE) and are returned when either the transactional promotion is valid or the User Level Discount Indicator is provided in the rate request.

- The negotiated rates returned do not reflect the contractual rate and may vary. Typically, they are 1% off the published rate.
- For Transactional Promotions, the promotion code is not validated. There is also no check as to whether or not the applied promotion is valid for the service or shipping lane in the request.
- For User Level Promotions, the UserID is still validated to see if a valid promotion is tied to it. However, there is no check as to whether or not the applied promotion is valid for the service or shipping lane in the request.

Integration Testing



All URLs are case sensitive.

For integration testing, direct your Rating Package Web Service to: <https://wwwcie.ups.com/webservices/Rate>

For integration testing, direct your Rating Package Web Service to: <https://wwwcie.ups.com/webservices/Rate>

Production



All URLs are case sensitive.

Once testing is complete, direct your Rating Package Web Service API to the production URL:

<https://onlinetools.ups.com/webservices/Rate>

Server Availability Check

All of the UPS services work using HTTPS POST. If the server is available, it will reply with the service name, remote user, server port, server name, and servlet path.

To see this in action, type the following URL in your web browser: <https://wwwcie.ups.com/webservices/Rate>

Server Name:	RateWS
Remote User:	Null
Server Port:	443
Server Name:	wwwcie.ups.com
Servlet Path:	/Rate

Chapter 4: Rating API Elements and Details

Accessing the Rating Package Web Service API

Access the Service at:	http://onlinetools.ups.com/webservices/Rate
Service Operation:	Rate
Rate Operation:	Type: Request-Response (client sends a request to UPS and the UPS server replies with a response) SOAPAction Header: http://onlinetools.ups.com/webservices/RateBinding

Element Constraints

The Request and Response XPath tables contain the full hierarchy of the API elements.



UPS expects schema elements/tags as defined in the XPath and presented in the schema structure i.e., no spelling or structural deviations. Elements/tags that are not defined in the schema or do not conform to the schema structure will be ignored by UPS.

Element constraints are defined as follows:

Required

- Yes - indicates the element must be present in the request or response.
- Yes* - indicates the element must be present in the request if the parent container is present in the request.
- No - indicates the element is optional and may be used if it applies to the request.
- Cond – indicates the element is required under certain conditions.

Type

- Container - holds a group of related elements.
- String - consists of alphanumeric characters, spaces, and decimals.

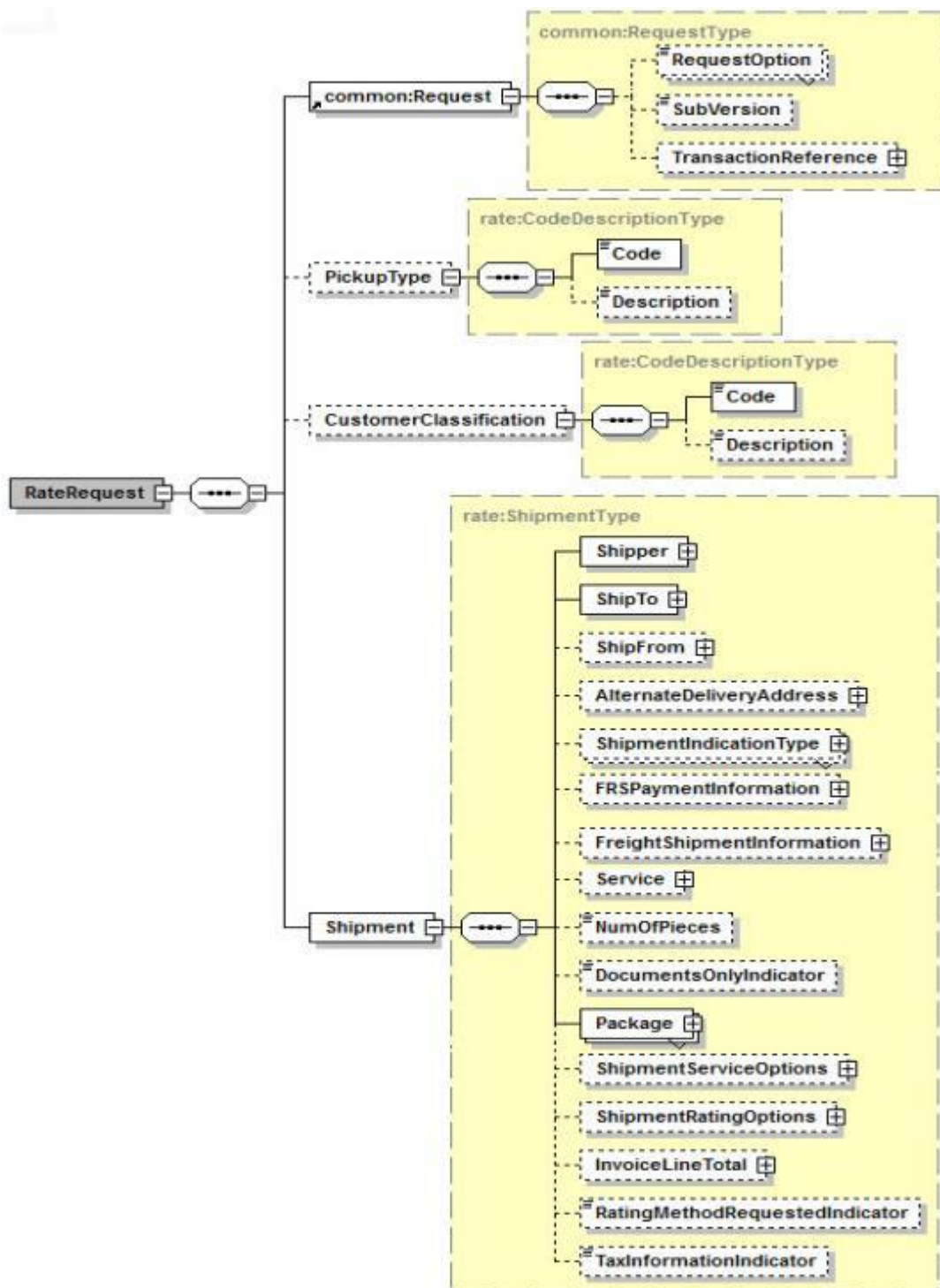
Length

- The maximum number of characters that can be present in a String. Length is not applicable (N/A) to Containers.

Max Allowed

- The maximum number of elements or containers that can be present in the parent container.

RateRequest Top Level Containers



RateRequest XPath Tables

Note: Not all containers/elements are reflected separately in the table of contents.

RateRequest

Name	Constraint	Description	Validation
/RateRequest			
RateRequest	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Rate Request container.	N/A

Request

Name	Constraint	Description	Validation
/RateRequest/Request			
Request	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Request container.	N/A

RequestOption

Name	Constraint	Description	Validation
/RateRequest/Request/RequestOption			
RequestOption	Required: Yes Type: String Max Allowed: UNB Length: 1...15	Used to define the request type.	Valid Values: Rate = The server rates (The default Request option is Rate if a Request Option is not provided). Shop = The server validates the shipment, and returns rates for all UPS products from the ShipFrom to the ShipTo addresses. Ratetimeintransit = The server rates with transit time information Shoptimeintransit = The server validates the shipment, and returns rates and transit times for all UPS products from the ShipFrom to the ShipTo addresses. Rate is the only valid request option for UPS Ground Freight Pricing requests.

SubVersion

Name	Constraint	Description	Validation
/RateRequest/Request/SubVersion			
SubVersion	Required: No Type: String Max Allowed: 1 Length: 4	Indicates Rate API to display the new release features in Rate API response based on Rate release. See the What's New section for the latest Rate release. Supported values: 1601, 1607, 1701, 1801	

TransactionReference

Name	Constraint	Description	Validation
/RateRequest/Request/TransactionReference			
TransactionReference	Required: No Type: Container Max Allowed: 1 Length: N/A	TransactionReference identifies transactions between client and server.	N/A
/RateRequest/Request/TransactionReference/CustomerContext			
CustomerContext	Required: No Type: String Max Allowed: 1 Length: 1...512	May be used to synchronize request/response pairs. Information in the request element is echoed back in the response. Must contain valid XML.	N/A

PickupType

Name	Constraint	Description	Validation
/RateRequest/PickupType			
PickupType	Required: No Type: Container Max Allowed: 1 Length: N/A	Pickup Type container tag.	N/A
/RateRequest/PickupType/Code			
Code	Required: Yes* Type: String Max Allowed: 1 Length: 2	Pickup Type Code.	Valid values: 01 - Daily Pickup (Default) 03 - Customer Counter 06 - One Time Pickup 19 - Letter Center 20 - Air Service Center If invalid value is provided, default will be used. Length is not validated. When negotiated rates are requested, 07 (onCallAir) will be ignored.

Name	Constraint	Description	Validation
/RateRequest/PickupType/Description			
Description	Required: No Type: String Max Allowed: 1 Length: 1...35	Pickup Type Description.	Ignored if provided in the Request.

CustomerClassification

Name	Constraint	Description	Validation
/RateRequest/CustomerClassification			
CustomerClassification	Required: No Type: Container Max Allowed: 1 Length: N/A	Customer classification container. Valid if ShipFrom country or territory is "US"	N/A
/RateRequest/CustomerClassification/Code			
Code	Required: Yes* Type: String Max Allowed: 1 Length: 2	Customer classification code.	Valid values: 00 - Rates Associated with Shipper Number 01 - Daily Rates 04 - Retail Rates 05 - Regional Rates 06 - General List Rates 53 - Standard List Rates Length is not validated. If customer classification code is not provided or it is provided with an invalid value, UPS would use rate chart (customer classification code) associated with a shipper country or territory to rate the shipments.
/RateRequest/CustomerClassification/Description			
Description	Required: No Type: String Max Allowed: 1 Length: 1...35	Customer classification description of the code above.	Ignored if provided in the Request. Length is not validated.

Shipment

Name	Constraint	Description	Validation
/RateRequest/Shipment			

Name	Constraint	Description	Validation
Shipment	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Container for Shipment Information.	N/A

OriginRecordTransactionTimestamp

Name	Constraint	Description	Validation
/RateRequest/Shipment/OriginRecordTransactionTimestamp			
OriginRecordTransactionTimestamp	Required: No Type: String Max Allowed: 1 Length: N/A	The time that the request was made from the originating system. UTC time down to milliseconds. Example - 2016-07-14T12:01:33.999	Applicable only for HazMat request and with subversion greater than or equal to 1701.

Shipper

Name	Constraint	Description	Validation
/RateRequest/Shipment/Shipper			
Shipper	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Shipper container. Information associated with the UPS account number.	
/RateRequest/Shipment/Shipper/Name			
Name	Required: No Type: String Max Allowed: 1 Length: 1...35	Shipper's name or company name.	Length is not validated.
/RateRequest/Shipment/Shipper/ShipperNumber			
ShipperNumber	Required: Cond Type: String Max Allowed: 1 Length: 6	Shipper's UPS account number.	A valid account number is required to receive negotiated rates. Optional otherwise. Cannot be present when requesting UserLevelDiscount.
/RateRequest/Shipment/Shipper/Address			
Address	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Address Container.	If the ShipFrom container is not present then this address will be used as the ShipFrom. If this address is used as the ShipFrom, the shipment will be rated from this origin address.
/RateRequest/Shipment/Shipper/Address/AddressLine			

Name	Constraint	Description	Validation
AddressLine	Required: No Type: String Max Allowed: 3 Length: 1...35	Shipper's street address including name and number (when applicable).	Maximum Occurrence should be three. Length is not validated.
/RateRequest/Shipment/Shipper/Address/City			
City	Required: Cond Type: String Max Allowed: 1 Length: 1...30	Shipper's city.	Required if country or territory does not utilize postal codes. Length is not validated.
/RateRequest/Shipment/Shipper/Address/StateProvinceCode			
StateProvinceCode	Required: No Type: String Max Allowed: 1 Length: 2	Shipper's state code.	Length is not validated.
/RateRequest/Shipment/Shipper/Address/PostalCode			
PostalCode	Required: Cond Type: String Max Allowed: 1 Length: 1...9	Shipper's postal code.	Length is not validated.
/RateRequest/Shipment/Shipper/Address/CountryCode			
CountryCode	Required: Yes Type: String Max Allowed: 1 Length: 2	Country or Territory code. Refer to the Supported Country or Territory Tables located in Appendix.	

ShipTo

Name	Constraint	Description	Validation
/RateRequest/Shipment/ShipTo			
ShipTo	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Ship To Container	N/A
/RateRequest/Shipment/ShipTo/Name			
Name	Required: No Type: String Max Allowed: 1 Length: 1...35	Destination attention name or company name.	Length is not validated.
/RateRequest/Shipment/ShipTo/Address			
Address	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Address Container.	N/A
/RateRequest/Shipment/ShipTo/Address/AddressLine			

Name	Constraint	Description	Validation
AddressLine	Required: No Type: String Max Allowed: 3 Length: 1...35	Destination street address including name and number (when applicable).	Max Occurrence can be 3. Length is not validated.
/RateRequest/Shipment/ShipTo/Address/City			
City	Required: Cond Type: String Max Allowed: 1 Length: 1...30	Destination city.	Required if country or territory does not utilize postal codes. Length is not validated.
/RateRequest/Shipment/ShipTo/Address/StateProvinceCode			
StateProvinceCode	Required: Cond Type: String Max Allowed: 1 Length: 2	Destination state code.	
/RateRequest/Shipment/ShipTo/Address/PostalCode			
PostalCode	Required: Cond Type: String Max Allowed: 1 Length: 1...9	Destination postal code.	Required if country or territory utilizes postal codes (i.e. US and PR).
/RateRequest/Shipment/ShipTo/Address/CountryCode			
CountryCode	Required: Yes Type: String Max Allowed: 1 Length: 2	Destination country or territory code. Refer to the Supported Country or Territory Tables located in the Appendix.	
/RateRequest/Shipment/ShipTo/Address/ResidentialAddressIndicator			
ResidentialAddressIndicator	Required: No Type: String Max Allowed: 1 Length: 0	Residential Address flag. This field is a flag to indicate if the destination is a residential location. True if ResidentialAddressIndicator tag exists; false otherwise. This element does not require a value and if one is entered it will be ignored.	Empty Tag.

ShipFrom

Name	Constraint	Description	Validation
/RateRequest/Shipment/ShipFrom			
ShipFrom	Required: No Type: Container Max Allowed: 1 Length: N/A	Ship From Container.	N/A
/RateRequest/Shipment/ShipFrom/Name			
Name	Required: No Type: String Max Allowed: 1 Length: 1...35	Origin attention name or company name.	Length is not validated.
/RateRequest/Shipment/ShipFrom/Address			

Name	Constraint	Description	Validation
Address	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	Address container for Ship From.	Address Container
/RateRequest/Shipment/ShipFrom/Address/AddressLine			
AddressLine	Required: No Type: String Max Allowed: 3 Length: 1...35	The origin street address including name and number (when applicable).	Length is not validated.
/RateRequest/Shipment/ShipFrom/Address/City			
City	Required: Cond Type: String Max Allowed: 1 Length: 1...30	Origin city.	Required if country or territory does not utilize postal codes. Length is not validated.
/RateRequest/Shipment/ShipFrom/Address/StateProvinceCode			
StateProvinceCode	Required: Cond Type: String Max Allowed: 1 Length: 2	Origin state code.	A StateProvinceCode and valid account number are required when requesting negotiated rates. Otherwise the StateProvinceCode is optional. If the TaxInformationIndicat or flag is present in the request, a StateProvinceCode must be entered for tax charges to be accurately calculated in the response.
/RateRequest/Shipment/ShipFrom/Address/PostalCode			
PostalCode	Required: Cond Type: String Max Allowed: 1 Length: 1...9	Origin postal code.	Required if country or territory utilizes postal codes (e.g. US and PR).
/RateRequest/Shipment/ShipFrom/Address/CountryCode			
CountryCode	Required: Yes* Type: String Max Allowed: 1 Length: 2	Origin country or territory code. Refer to the Supported country or territory Tables located in the Appendix.	Required, but defaults to US.

AlternateDeliveryAddress

Name	Constraint	Description	Validation
/RateRequest/Shipment/AlternateDeliveryAddress			

Name	Constraint	Description	Validation
AlternateDeliveryAddress	Required: Cond Type: Container Max Allowed: 1 Length: N/A	Alternate Delivery Address container. Applies for deliveries to UPS Access Point™ locations. Required for the following ShipmentIndicationType values: 01 - Hold for Pickup at UPS Access Point™ 02 - UPS Access Point™ Delivery	
/RateRequest/Shipment/AlternateDeliveryAddress/Name			
Name	Required: No Type: String Max Allowed: 1 Length: 1...35	UPS Access Point™ location name.	
/RateRequest/Shipment/AlternateDeliveryAddress/Address			
Address	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	Address container for Alternate Delivery Address.	
/RateRequest/Shipment/AlternateDeliveryAddress/Address/AddressLine			
AddressLine	Required: Yes* Type: String Max Allowed: 3 Length: 1...35	The UPS Access Point's street address, including name and number (when applicable).	Length is not validated.
/RateRequest/Shipment/AlternateDeliveryAddress/Address/City			
City	Required: Cond Type: String Max Allowed: 1 Length: 1...30	UPS Access Point city.	
/RateRequest/Shipment/AlternateDeliveryAddress/Address/StateProvinceCode			
StateProvinceCode	Required: Cond Type: String Max Allowed: 1 Length: 2	UPS Access Point State or Province code.	
/RateRequest/Shipment/AlternateDeliveryAddress/Address/PostalCode			
PostalCode	Required: Cond Type: String Max Allowed: 1 Length: 1...9	UPS Access Point Postal code.	
/RateRequest/Shipment/AlternateDeliveryAddress/Address/CountryCode			
CountryCode	Required: Yes* Type: String Max Allowed: 1 Length: 2	UPS Access Point country or territory code.	
/RateRequest/Shipment/AlternateDeliveryAddress/Address/ResidentialAddressIndicator			

Name	Constraint	Description	Validation
ResidentialAddressIndicator	Required: No Type: String Max Allowed: 1 Length: 0	Presence/Absence Indicator. Any value inside is ignored. This field is a flag to indicate if the Alternate Delivery location is a residential location. True if ResidentialAddressIndicator tag exists.	For future use.
/RateRequest/Shipment/AlternateDeliveryAddress/Address/POBoxIndicator			
POBoxIndicator	Required: No Type: String Max Allowed: 1 Length: 0	Presence/Absence Indicator. Any value inside is ignored. This field is a flag to indicate if the Alternate Delivery location is a PO box location. True if POBoxIndicator tag exists; false otherwise.	Not valid with Shipment Indication Types: 01 Hold for Pickup at UPS Access Point 02 UPS Access Point™ Delivery

ShipmentIndicationType

Name	Constraint	Description	Validation
/RateRequest/Shipment/ShipmentIndicationType			
ShipmentIndicationType	Required: Cond Type: Container Max Allowed: 1 Length: N/A	Container to hold shipment indication type.	
/RateRequest/Shipment/ShipmentIndicationType/Code			
Code	Required: Yes* Type: String Max Allowed: 1 Length: 2	Code for Shipment Indication Type. Valid values: 01 - Hold for Pickup at UPS Access Point 02 - UPS Access Point™ Delivery	
/RateRequest/Shipment/ShipmentIndicationType/Description			
Description	Required: No Type: String Max Allowed: 1 Length: 1...50	Description for Shipment Indication Type.	Length is not Validated.

PaymentDetails

Name	Constraint	Description	Validation
/RateRequest/Shipment/PaymentDetails			
PaymentDetails	Required: No Type: Container Max Allowed: 1 Length: N/A	Payment details container for detailed shipment charges. The two shipment charges that are available for specification are Transportation charges and Duties and Taxes.	This container is used for Who Pays What functionality.
/RateRequest/Shipment/PaymentDetails/ShipmentCharge			
ShipmentCharge	Required: Yes* Type: Container Max Allowed: 2 Length: N/A	Shipment charge container.	

Name	Constraint	Description	Validation
/RateRequest/Shipment/PaymentDetails/ShipmentCharge/Type			
Type	Required: Yes* Type: String Max Allowed: 1 Length: 2	Values are 01 = Transportation, 02 = Duties and Taxes	
/RateRequest/Shipment/PaymentDetails/ShipmentCharge/BillShipper			
BillShipper	Required: Cond Type: Container Max Allowed: 1 Length: N/A	Container for the BillShipper billing option.	This element or its sibling element, BillReceiver, BillThirdParty or ConsigneeBilledIndicator, must be present but no more than one can be present.
/RateRequest/Shipment/PaymentDetails/ShipmentCharge/BillShipper/AccountNumber			
AccountNumber	Required: Yes* Type: String Max Allowed: 1 Length: 6	UPS account number	Must be the same UPS account number as the one provided in Shipper/ShipperNumber.
/RateRequest/Shipment/PaymentDetails/ShipmentCharge/BillReceiver			
BillReceiver	Required: Cond Type: Container Max Allowed: 1 Length: N/A	Container for the BillReceiver billing option.	This element or its sibling element, BillShipper, BillThirdParty or Consignee Billed, must be present but no more than one can be present. For a return shipment, Bill Receiver is invalid for Transportation charges.
/RateRequest/Shipment/PaymentDetails/ShipmentCharge/BillReceiver/AccountNumber			
AccountNumber	Required: Yes* Type: String Max Allowed: 1 Length: 6	The UPS account number.	The account must be a valid UPS account number that is active. For US, PR and CA accounts, the account must be a daily pickup account, an occasional account, a customer B.I.N account, or a dropper shipper account. All other accounts must be either a daily pickup account, an occasional account, a drop shipper account, or a non-shipping account.
/RateRequest/Shipment/PaymentDetails/ShipmentCharge/BillReceiver/Address			

Name	Constraint	Description	Validation
Address	Required: Cond Type: Container Max Allowed: 1 Length: N/A	Container for additional information for the bill receiver's UPS accounts address.	
/RateRequest/Shipment/PaymentDetails/ShipmentCharge/BillReceiver/Address/PostalCode			
PostalCode	Required: Yes* Type: String Max Allowed: 1 Length: 1...9	The postal code for the UPS account's pickup address. The pickup postal code was entered in the UPS system when the account was set-up.	
/RateRequest/Shipment/PaymentDetails/ShipmentCharge/BillThirdParty			
BillThirdParty	Required: Cond Type: Container Max Allowed: 1 Length: N/A	Container for the third party billing option.	This element or its sibling element, BillShipper, BillReceiver or Consignee Billed, must be present but no more than one can be present.
/RateRequest/Shipment/PaymentDetails/ShipmentCharge/BillThirdParty/AccountNumber			
AccountNumber	Required: Yes* Type: String Max Allowed: 1 Length: 6	The UPS account number of the third party shipper.	The account must be a valid UPS account number that is active. For US, PR and CA accounts, the account must be either a daily pickup account, an occasional account, or a customer B.I.N account, or a drop shipper account. All other accounts must be either a daily pickup account, an occasional account, a drop shipper account, or a non-shipping account.
/RateRequest/Shipment/PaymentDetails/ShipmentCharge/BillThirdParty/Address			
Address	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	Container for additional information for the third party UPS accounts address.	
/RateRequest/Shipment/PaymentDetails/ShipmentCharge/BillThirdParty/Address/PostalCode			

Name	Constraint	Description	Validation
PostalCode	Required: Yes* Type: String Max Allowed: 1 Length: 1...9	Origin postal code.	The postal code must be the same as the UPS account pickup address postal code. Required for United States and Canadian UPS accounts and/or if the UPS account pickup address has a postal code. If the UPS account's pickup country or territory is US or Puerto Rico, the postal code is 5 or 9 digits. The character '-' may be used to separate the first five digits and the last four digits. If the UPS account's pickup country or territory is CA, the postal code is 6 alphanumeric characters whose format is A#A#A# where A is an uppercase letter and # is a digit.
/RateRequest/Shipment/PaymentDetails/ShipmentCharge/BillThirdParty/Address/CountryCode			
CountryCode	Required: Yes* Type: String Max Allowed: 1 Length: 2	Origin country or territory code. Refer to the Supported country or territory Tables located in the Appendix.	
/RateRequest/Shipment/PaymentDetails/ShipmentCharge/ConsigneeBilledIndicator			
ConsigneeBilledIndicator	Required: Cond Type: String Max Allowed: 1 Length: 0	Consignee Billing payment option indicator. The presence indicates consignee billing option is selected. The absence indicates one of the other payment options is selected.	Empty Tag. This element or its sibling element, BillShipper, BillReceiver or BillThirdParty, must be present but no more than one can be present. This billing option is valid for a shipment charge type of Transportation only. Only applies to US/PR and PR/US shipment origins and destination.
/RateRequest/Shipment/PaymentDetails/SplitDutyVATIndicator			
SplitDutyVATIndicator	Required: No Type: String Max Allowed: 1 Length: 0	Split Duty VAT Indicator. The presence indicates the payer specified for Transportation Charges will pay transportation charges and any duties that apply to the shipment. The payer specified for Duties and Taxes will pay the VAT (Value-Added Tax) only.	Empty Tag. The payment method for Transportation charges must be UPS account. The UPS account must be a daily pickup account or an occasional account.

FRSPaymentInformation

Name	Constraint	Description	Validation
/RateRequest/Shipment/FRSPaymentInformation			
FRSPaymentInformation	Required: Cond Type: Container Max Allowed: 1 Length: N/A	UPS Ground Freight Pricing (GFP) Payment Information container.	Required only for GFP and when the FRSIndicator is present.
/RateRequest/Shipment/FRSPaymentInformation/Type			
Type	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	GFP Payment Information Type container.	GFP only.
/RateRequest/Shipment/FRSPaymentInformation/Type/Code			
Code	Required: Yes* Type: String Max Allowed: 1 Length: 2	Payer Type code for FRS Rate request.	Valid Values are: 01 = Prepaid 02 = FreightCollect 03 = BillThirdParty
/RateRequest/Shipment/FRSPaymentInformation/Type/Description			
Description	Required: No Type: String Max Allowed: 1 Length: 1...35	Text description of the code representing the GFP payment type.	
/RateRequest/Shipment/FRSPaymentInformation/AccountNumber			
AccountNumber	Required: No Type: String Max Allowed: 1 Length: 6	UPS Account Number.	
/RateRequest/Shipment/FRSPaymentInformation/Address			
Address	Required: Cond Type: Container Max Allowed: 1 Length: N/A	Payer Address Container.	Address container may be present for FRS Payment Information type = 02 and required when the FRS Payment Information type = 03.
/RateRequest/Shipment/FRSPaymentInformation/Address/PostalCode			
PostalCode	Required: Cond Type: String Max Allowed: 1 Length: 1...9	Postal Code for UPS accounts billing address.	Postal Code may be present when the FRS Payment Information type = 02 and type = 03.
/RateRequest/Shipment/FRSPaymentInformation/Address/CountryCode			
CountryCode	Required: Yes* Type: String Max Allowed: 1 Length: 2	Country or Territory code for the UPS accounts & billing address.	Country or Territory Code is required when the FRS Payment Information type = 02 and type = 03.

FreightShipmentInformation

Name	Constraint	Description	Validation
/RateRequest/Shipment/FreightShipmentInformation			
FreightShipmentInformation	Required: No Type: Container Max Allowed: 1 Length: N/A	Container to hold Freight Shipment information.	
/RateRequest/Shipment/FreightShipmentInformation/FreightDensityInfo			
FreightDensityInfo	Required: Cond Type: Container Max Allowed: 1 Length: N/A	Freight Density Info container.	Required if DensityEligibleIndicat or is present.
/RateRequest/Shipment/FreightShipmentInformation/FreightDensityInfo/AdjustedHeightIndicator			
AdjustedHeightIndicator	Required: No Type: String Max Allowed: 1 Length: 0	The presence of the AdjustedHeightIndicator allows UPS to do height reduction adjustment for density based rate request.	
/RateRequest/Shipment/FreightShipmentInformation/FreightDensityInfo/AdjustedHeight			
AdjustedHeight	Required: Cond Type: Container Max Allowed: 1 Length: N/A	Container to hold Adjusted Height information.	Required if AdjustedHeightIndicat or is present.
/RateRequest/Shipment/FreightShipmentInformation/FreightDensityInfo/AdjustedHeight/Value			
Value	Required: Yes* Type: String Max Allowed: 1 Length: 1...19	Adjusted Height value for the handling unit.	
/RateRequest/Shipment/FreightShipmentInformation/FreightDensityInfo/AdjustedHeight/UnitOfMeasurement			
UnitOfMeasurement	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	Unit of Measurement container for the Adjusted height.	
/RateRequest/Shipment/FreightShipmentInformation/FreightDensityInfo/AdjustedHeight/UnitOfMeasurement/Code			
Code	Required: Yes* Type: String Max Allowed: 1 Length: 2	Code associated with Unit of Measurement for the Adjusted height. Valid value is IN	Unit of measurement code for Adjusted height is validated only when Handling unit type is SKD = Skid or PLT = Pallet.
/RateRequest/Shipment/FreightShipmentInformation/FreightDensityInfo/AdjustedHeight/UnitOfMeasurement/Description			
Description	Required: No Type: String Max Allowed: 1 Length: 1...35	Description for Code associated with Unit of Measurement for the Adjusted height.	
/RateRequest/Shipment/FreightShipmentInformation/FreightDensityInfo/HandlingUnits			
HandlingUnits	Required: Yes* Type: Container Max Allowed: UNB Length: N/A	Handling Unit for Density based rating container.	

Name	Constraint	Description	Validation
/RateRequest/Shipment/FreightShipmentInformation/FreightDensityInfo/HandlingUnits/Quantity			
Quantity	Required: Yes* Type: String Max Allowed: 1 Length: 8	Handling Unit Quantity for Density based rating.	
/RateRequest/Shipment/FreightShipmentInformation/FreightDensityInfo/HandlingUnits/Type			
Type	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	Handling Unit Type for Density based rating.	
/RateRequest/Shipment/FreightShipmentInformation/FreightDensityInfo/HandlingUnits/Type/Code			
Code	Required: Yes* Type: String Max Allowed: 1 Length: 3	The code associated with Handling Unit Type.	Valid values: SKD = Skid CBY = Carboy PLT = Pallet TOT = Totes LOO = Loose OTH = Other
/RateRequest/Shipment/FreightShipmentInformation/FreightDensityInfo/HandlingUnits/Type/Description			
Description	Required: No Type: String Max Allowed: 1 Length: 1...35	A description of the code for the Handling Unit type.	
/RateRequest/Shipment/FreightShipmentInformation/FreightDensityInfo/HandlingUnits/Dimensions			
Dimensions	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	Dimension of the HandlingUnit container for density based pricing.	
/RateRequest/Shipment/FreightShipmentInformation/FreightDensityInfo/HandlingUnits/Dimensions/UnitOfMeasurement			
UnitOfMeasurement	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	UnitOfMeasurement container.	
/RateRequest/Shipment/FreightShipmentInformation/FreightDensityInfo/HandlingUnits/Dimensions/UnitOfMeasurement/Code			
Code	Required: Yes* Type: String Max Allowed: 1 Length: 2	Code for UnitOfMeasurement for the line item dimension. Valid value: IN = Inches	
/RateRequest/Shipment/FreightShipmentInformation/FreightDensityInfo/HandlingUnits/Dimensions/UnitOfMeasurement/Description			
Description	Required: No Type: String Max Allowed: 1 Length: 1...35	Description for UnitOfMeasurement for the line item dimension.	
/RateRequest/Shipment/FreightShipmentInformation/FreightDensityInfo/HandlingUnits/Dimensions/Length			
Length	Required: Yes* Type: String Max Allowed: 1 Length: 1...19	The length of the line item used to determine dimensional weight.	
/RateRequest/Shipment/FreightShipmentInformation/FreightDensityInfo/HandlingUnits/Dimensions/Width			

Name	Constraint	Description	Validation
Width	Required: Yes* Type: String Max Allowed: 1 Length: 1...19	The width of the line item used to determine dimensional weight.	
/RateRequest/Shipment/FreightShipmentInformation/FreightDensityInfo/HandlingUnits/Dimensions/Height			
Height	Required: Yes* Type: String Max Allowed: 1 Length: 1...19	The height of the line item used to determine dimensional weight.	
/RateRequest/Shipment/FreightShipmentInformation/DensityEligibleIndicator			
DensityEligibleIndicator	Required: No Type: String Max Allowed: 1 Length: 0	The presence of the tag indicates that the rate request is density based. For Density Based Rating (DBR), the customer must have DBR Contract Service.	

GoodsNotInFreeCirculationIndicator

Name	Constraint	Description	Validation
/RateRequest/Shipment/GoodsNotInFreeCirculationIndicator			
GoodsNotInFreeCirculationIndicator	Required: No Type: String Max Allowed: 1 Length: 0	Goods Not In Free Circulation indicator.	This is an empty tag, any value inside is ignored. This indicator is invalid for a package type of UPS Letter and DocumentsOnly.

Service

Name	Constraint	Description	Validation
/RateRequest/Shipment/Service			
Service	Required: Cond Type: Container Max Allowed: 1 Length: N/A	Service Container.	Only valid with RequestOption = Rate for both Small package and GFP Rating requests.
/RateRequest/Shipment/Service/Code			

Name	Constraint	Description	Validation
Code	Required: Yes* Type: String Max Allowed: 1 Length: 2	The code for the UPS Service associated with the shipment. Valid domestic values: NOTE: For all values, refer to Service Codes in the Appendix. 01 = Next Day Air 02 = 2nd Day Air 03 = Ground 12 = 3 Day Select 13 = Next Day Air Saver 14 = UPS Next Day Air Early 59 = 2nd Day Air A.M. Valid international values: 07 = Worldwide Express 08 = Worldwide Expedited 11 = Standard 54 = Worldwide Express Plus 65 = Saver 96 = UPS Worldwide Express Freight 71 = UPS Worldwide Express Freight Midday Required for Rating and ignored for Shopping.	
/RateRequest/Shipment/Service/Description			
Description	Required: No Type: String Max Allowed: 1 Length: 1...35	A text description of the UPS Service associated with the shipment.	Length is not validated.

NumOfPieces

Name	Constraint	Description	Validation
/RateRequest/Shipment/NumOfPieces			
NumOfPieces	Required: No Type: String Max Allowed: 1 Length: 1...5	Total number of pieces in all pallets. Required for UPS Worldwide Express Freight and UPS Worldwide Express Freight Midday shipments.	

ShipmentTotalWeight

Name	Constraint	Description	Validation
/RateRequest/Shipment/ShipmentTotalWeight			
ShipmentTotalWeight	Required: Cond Type: Container Max Allowed: 1 Length: N/A	Shipment Total Weight Container. This container is only applicable for "ratetimeintransit" and "shoptimeintransit" request options.	Required for all international shipments when retrieving time in transit information, including letters and documents shipments.
/RateRequest/Shipment/ShipmentTotalWeight/UnitOfMeasurement			
UnitOfMeasurement	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	UnitOfMeasurement Container.	

Name	Constraint	Description	Validation
/RateRequest/Shipment/ShipmentTotalWeight/UnitOfMeasurement/Code			
Code	Required: Yes* Type: String Max Allowed: 1 Length: 3	Code representing the unit of measure associated with the package weight. Codes are: LBS = Pounds, KGS = Kilograms.	
/RateRequest/Shipment/ShipmentTotalWeight/UnitOfMeasurement/Description			
Description	Required: No Type: String Max Allowed: 1 Length: 1..35	Text description of the code representing the unit of measure associated with the shipment weight.	
/RateRequest/Shipment/ShipmentTotalWeight/Weight			
Weight	Required: Yes* Type: String Max Allowed: Length: 1..3	Non-zero total weight of all packages in the shipment.	

DocumentsOnlyIndicator

Name	Constraint	Description	Validation
/RateRequest/Shipment/DocumentsOnlyIndicator			
DocumentsOnlyIndicator	Required: No Type: String Max Allowed: 1 Length: 0	Valid values are Document and Non-document. If the indicator is present then the value is Document else Non-Document. Note: Not applicable for FRS rating requests.	Empty Tag.

Package

Name	Constraint	Description	Validation
/RateRequest/Shipment/Package			
Package	Required: Yes Type: Container Max Allowed: 200 Length: N/A	Package Container.	N/A
/RateRequest/Shipment/Package/PackagingType			
PackagingType	Required: Cond Type: Container Max Allowed: 1 Length: N/A	Packaging Type Container.	N/A
/RateRequest/Shipment/Package/PackagingType/Code			

Name	Constraint	Description	Validation
Code	Required: Yes* Type: String Max Allowed: 1 Length: 2	The code for the UPS packaging type associated with the package.	Valid values: 00 = UNKNOWN 01 = UPS Letter 02 = Package 03 = Tube 04 = Pak 21 = Express Box 24 = 25KG Box 25 = 10KG Box 30 = Pallet 2a = Small Express Box 2b = Medium Express Box 2c = Large Express Box. For FRS rating requests the only valid value is customer supplied packaging "02".
/RateRequest/Shipment/Package/PackagingType/Description			
Description	Required: No Type: String Max Allowed: 1 Length: 1...35	A text description of the code for the UPS packaging type associated with the shipment.	Length is not validated.
/RateRequest/Shipment/Package/Dimensions			
Dimensions	Required: No Type: Container Max Allowed: 1 Length: N/A	Dimensions Container. This container is not applicable for GFP Rating request.	N/A
/RateRequest/Shipment/Package/Dimensions/UnitOfMeasurement			
UnitOfMeasurement	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	UnitOfMeasurement Container.	N/A
/RateRequest/Shipment/Package/Dimensions/UnitOfMeasurement/Code			
Code	Required: Yes* Type: String Max Allowed: 1 Length: 2	Package dimensions unit of measurement code. Codes are: 'IN' = Inches, 'CM' = Centimeters.	Valid codes are: 'IN' or 'CM'.
/RateRequest/Shipment/Package/Dimensions/UnitOfMeasurement/Description			
Description	Required: No Type: String Max Allowed: 1 Length: 1...35	Text description of the code representing the UnitOfMeasurement associated with the package.	This element is not validated.
/RateRequest/Shipment/Package/Dimensions/Length			
Length	Required: Cond Type: String Max Allowed: 1 Length: 6	Length of the package used to determine dimensional weight.	Required for GB to GB and Poland to Poland shipments.
/RateRequest/Shipment/Package/Dimensions/Width			

Name	Constraint	Description	Validation
Width	Required: Cond Type: String Max Allowed: 1 Length: 6	Width of the package used to determine dimensional weight.	Required for GB to GB and Poland to Poland shipments.
/RateRequest/Shipment/Package/Dimensions/Height			
Height	Required: Cond Type: String Max Allowed: 1 Length: 6	Height of the package used to determine dimensional weight.	Required for GB to GB and Poland to Poland shipments.
/RateRequest/Shipment/Package/DimWeight			
DimWeight	Required: No Type: Container Max Allowed: 1 Length: N/A	Package Dimensional Weight container. Values in this container are ignored when package dimensions are provided. Please visit ups.com for instructions on calculating this value.	Only used for non-US/CA/PR shipments.
/RateRequest/Shipment/Package/DimWeight/UnitOfMeasurement			
UnitOfMeasurement	Required: No Type: Container Max Allowed: 1 Length: N/A	UnitOfMeasurement Container.	N/A
/RateRequest/Shipment/Package/DimWeight/UnitOfMeasurement/Code			
Code	Required: No Type: String Max Allowed: 1 Length: 3	Code representing the unit of measure associated with the package weight. Codes are: LBS = Pounds, KGS = Kilograms.	Valid values: "LBS" = Pounds (default) and "KGS" = Kilograms.
/RateRequest/Shipment/Package/DimWeight/UnitOfMeasurement/Description			
Description	Required: No Type: String Max Allowed: 1 Length: 1...35	Text description of the code representing the unit of measure associated with the package weight.	Length and value are not validated.
/RateRequest/Shipment/Package/DimWeight/Weight			
Weight	Required: No Type: String Max Allowed: 1 Length: 6	Dimensional weight of the package. Decimal values are not accepted, however there is one implied decimal place for values in this field (i.e. 115 = 11.5).	
/RateRequest/Shipment/Package/PackageWeight			
PackageWeight	Required: Cond Type: Container Max Allowed: 1 Length: N/A	Package Weight Container.	Required for an GFP Rating request. Otherwise optional.
/RateRequest/Shipment/Package/PackageWeight/UnitOfMeasurement			
UnitOfMeasurement	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	UnitOfMeasurement Container.	N/A
/RateRequest/Shipment/Package/PackageWeight/UnitOfMeasurement/Code			

Name	Constraint	Description	Validation
Code	Required: Yes* Type: String Max Allowed: 1 Length: 3	Code representing the unit of measure associated with the package weight. Codes are: LBS = Pounds, KGS = Kilograms.	Valid values: LBS = Pounds (default) KGS = Kilograms
/RateRequest/Shipment/Package/PackageWeight/UnitOfMeasurement/Description			
Description	Required: No Type: String Max Allowed: 1 Length: 1...35	Text description of the code representing the unit of measure associated with the package weight.	Length and value are not validated.
/RateRequest/Shipment/Package/PackageWeight/Weight			
Weight	Required: Yes* Type: String Max Allowed: 1 Length: 6	Actual package weight.	Weight accepted for letters/envelopes.
/RateRequest/Shipment/Package/Commodity			
Commodity	Required: Cond Type: Container Max Allowed: 1 Length: N/A	Commodity Container.	Required only for GFP rating when FRSShipmentIndicator is requested.
/RateRequest/Shipment/Package/Commodity/FreightClass			
FreightClass	Required: Yes* Type: String Max Allowed: 1 Length: 10	Freight Classification. Freight class partially determines the freight rate for the article.	See Appendix of the Rating Ground Freight Web Services Developers Guide for list of Freight classes. For GFP Only.
/RateRequest/Shipment/Package/Commodity/NMFC			
NMFC	Required: No Type: Container Max Allowed: 1 Length: N/A	NMFC Commodity container.	For GFP Only.
/RateRequest/Shipment/Package/Commodity/NMFC/PrimeCode			
PrimeCode	Required: Yes* Type: String Max Allowed: 1 Length: 4..6	Value of NMFC Prime. Contact your service representative if you need information concerning NMFC Codes.	Required if NMFC Container is present. For GFP Only.
/RateRequest/Shipment/Package/Commodity/NMFC/SubCode			
SubCode	Required: Cond Type: String Max Allowed: 1 Length: 2	Value of NMFC Sub. Contact your service representative if you need information concerning NMFC Codes.	Needs to be provided when the SubCode associated with the PrimeCode is other than 00. API defaults the sub value to 00 if not provided. If provided the Sub Code should be associated with the PrimeCode of the NMFC.
/RateRequest/Shipment/Package/LargePackageIndicator			

Name	Constraint	Description	Validation
LargePackageIndicator	Required: No Type: String Max Allowed: 1 Length: 0	This element does not require a value and if one is entered it will be ignored.	If present, it indicates the shipment will be categorized as a Large Package.
/RateRequest/Shipment/Package/PackageServiceOptions			
PackageServiceOptions	Required: No Type: Container Max Allowed: 1 Length: N/A	PackageServiceOptions container.	N/A
/RateRequest/Shipment/Package/PackageServiceOptions/DeliveryConfirmation			
DeliveryConfirmation	Required: No Type: Container Max Allowed: 1 Length: N/A	Delivery Confirmation Container. For a list of valid origin/destination countries or territories please refer to appendix.	DeliveryConfirmation and COD are mutually exclusive.
/RateRequest/Shipment/Package/PackageServiceOptions/DeliveryConfirmation/DCIType			
DCIType	Required: Yes* Type: String Max Allowed: 1 Length: 1	Type of delivery confirmation.	Valid values: 1 - Delivery Confirmation 2 - Delivery Confirmation Signature Required 3 - Delivery Confirmation Adult Signature Required
/RateRequest/Shipment/Package/PackageServiceOptions/AccessPointCOD			
AccessPointCOD	Required: No Type: Container Max Allowed: 1 Length: N/A	Access Point COD indicates Package COD is requested for a shipment.	Valid only for : 01 - Hold For Pickup At UPS Access Point, Shipment Indication type. Package Access Point COD is valid only for shipment without return service from US/PR to US/PR and CA to CA. Not valid with (Package) COD.
/RateRequest/Shipment/Package/PackageServiceOptions/AccessPointCOD/CurrencyCode			
CurrencyCode	Required: Yes* Type: String Max Allowed: 1 Length: 3	Access Point COD Currency Code.	Required if Access Point COD container is present. UPS does not support all international currency codes. Refer to the appendix for a list of valid codes.
/RateRequest/Shipment/Package/PackageServiceOptions/AccessPointCOD/MonetaryValue			
MonetaryValue	Required: Yes* Type: String Max Allowed: 1 Length: 8	Access Point COD Monetary Value.	Required if Access Point COD container is present.
/RateRequest/Shipment/Package/PackageServiceOptions/COD			

Name	Constraint	Description	Validation
COD	Required: No Type: Container Max Allowed: 1 Length: N/A	COD Container. Indicates COD is requested.	Valid for the following country or territory combinations: US/PR to US/PR CA to CA CA to US Not allowed for CA to US for packages that are designated as Letters or Envelopes.
/RateRequest/Shipment/Package/PackageServiceOptions/COD/CODFundsCode			
CODFundsCode	Required: Yes* Type: String Max Allowed: 1 Length: 1	Indicates the type of funds that will be used for the C.O.D. payment.	For valid values, refer to Rating and Shipping COD Supported Countries or Territories in the Appendix.
/RateRequest/Shipment/Package/PackageServiceOptions/COD/CODAmount			
CODAmount	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	CODAmount Container.	N/A
/RateRequest/Shipment/Package/PackageServiceOptions/COD/CODAmount/CurrencyCode			
CurrencyCode	Required: Yes* Type: String Max Allowed: 1 Length: 3	Currency Code.	Required if a value for the COD amount exists in the MonetaryValue tag. Must match one of the IATA currency codes. UPS does not support all international currency codes. Refer to Currency Codes in the Appendix for a list of valid codes.
/RateRequest/Shipment/Package/PackageServiceOptions/COD/CODAmount/MonetaryValue			
MonetaryValue	Required: Yes* Type: String Max Allowed: 1 Length: 8	The COD value for the package.	Required if COD option is present. The maximum amount allowed is 50,000 USD.
/RateRequest/Shipment/Package/PackageServiceOptions/DeclaredValue			
DeclaredValue	Required: No Type: Container Max Allowed: 1 Length: N/A	Declared Value Container.	N/A
/RateRequest/Shipment/Package/PackageServiceOptions/DeclaredValue/CurrencyCode			

Name	Constraint	Description	Validation
CurrencyCode	Required: Yes* Type: String Max Allowed: 1 Length: 3	The IATA currency code associated with the declared value amount for the package.	Required if a value for the package declared value amount exists in the MonetaryValue tag. Must match one of the IATA currency codes. Length is not validated. UPS does not support all international currency codes. Refer to Currency Codes in the Appendix for a list of valid codes.
/RateRequest/Shipment/Package/PackageServiceOptions/DeclaredValue/MonetaryValue			
MonetaryValue	Required: Yes* Type: String Max Allowed: 1 Length: 8	The monetary value for the declared value amount associated with the package.	Max value of 5,000 USD for Local and 50,000 USD for Remote. Absolute maximum value is 21474836.47
/RateRequest/Shipment/Package/PackageServiceOptions/ShipperDeclaredValue			
ShipperDeclaredValue	Required: No Type: Container Max Allowed: 1 Length: N/A	Shipper Paid Declared Value Charge at Package level.	Valid for UPS World Wide Express Freight shipments.
/RateRequest/Shipment/Package/PackageServiceOptions/ShipperDeclaredValue/CurrencyCode			
CurrencyCode	Required: Yes* Type: String Max Allowed: 1 Length: 3	The IATA currency code associated with the amount for the package.	UPS does not support all international currency codes. Refer to the appendix for a list of valid codes.
/RateRequest/Shipment/Package/PackageServiceOptions/ShipperDeclaredValue/MonetaryValue			
MonetaryValue	Required: Yes* Type: String Max Allowed: 1 Length: 1...19	The monetary value for the amount associated with the package.	
/RateRequest/Shipment/Package/PackageServiceOptions/ProactiveIndicator			
ProactiveIndicator	Required: No Type: String Max Allowed: 1 Length: 0	Any value associated with this element will be ignored. If present, the package is rated for UPS Proactive Response and proactive package tracking. Contractual accessororial for health care companies to allow package monitoring throughout the UPS system.	Shippers account needs to have valid contract for UPS Proactive Response.
/RateRequest/Shipment/Package/PackageServiceOptions/RefrigerationIndicator			
RefrigerationIndicator	Required: No Type: String Max Allowed: 1 Length: 0	Presence/Absence Indicator. Any value is ignored. If present, indicates that the package contains an item that needs refrigeration.	Shippers account needs to have a valid contract for Refrigeration.

Name	Constraint	Description	Validation
/RateRequest/Shipment/Package/PackageServiceOptions/Insurance			
Insurance	Required: No Type: Container Max Allowed: 1 Length: N/A	Insurance Accesorial. Only one type of insurance can exist at a time on the shipment.	Valid for UPS World Wide Express Freight shipments.
/RateRequest/Shipment/Package/PackageServiceOptions/Insurance/BasicFlexibleParcelIndicator			
BasicFlexibleParcelIndicator	Required: No Type: Container Max Allowed: 1 Length: N/A	Container to hold Basic Flexible Parcel Indicator information.	Valid for UPS World Wide Express Freight shipments.
/RateRequest/Shipment/Package/PackageServiceOptions/Insurance/BasicFlexibleParcelIndicator/CurrencyCode			
CurrencyCode	Required: Yes* Type: String Max Allowed: 1 Length: 3	The IATA currency code associated with the amount for the package.	UPS does not support all international currency codes. Refer to the appendix for a list of valid codes. Valid for UPS World Wide Express Freight shipments.
/RateRequest/Shipment/Package/PackageServiceOptions/Insurance/BasicFlexibleParcelIndicator/MonetaryValue			
MonetaryValue	Required: Yes* Type: String Max Allowed: 1 Length: 8	The monetary value associated with the package.	Valid for UPS World Wide Express Freight shipments.
/RateRequest/Shipment/Package/PackageServiceOptions/Insurance/ExtendedFlexibleParcelIndicator			
ExtendedFlexibleParcelIndicator	Required: No Type: Container Max Allowed: 1 Length: N/A	Container for Extended Flexible Parcel Indicator	Valid for UPS World Wide Express Freight shipments.
/RateRequest/Shipment/Package/PackageServiceOptions/Insurance/ExtendedFlexibleParcelIndicator/CurrencyCode			
CurrencyCode	Required: Yes* Type: String Max Allowed: 1 Length: 3	The IATA currency code associated with the amount for the package.	UPS does not support all international currency codes. Refer to the appendix for a list of valid codes. Valid for UPS World Wide Express Freight shipments.
/RateRequest/Shipment/Package/PackageServiceOptions/Insurance/ExtendedFlexibleParcelIndicator/MonetaryValue			
MonetaryValue	Required: Yes* Type: String Max Allowed: 1 Length: 8	The monetary value associated with the package.	Valid for UPS World Wide Express Freight shipments.
/RateRequest/Shipment/Package/PackageServiceOptions/Insurance/TimeInTransitFlexibleParcelIndicator			
TimeInTransitFlexibleParcelIndicator	Required: No Type: Container Max Allowed: 1 Length: N/A	Container to hold Time In Transit Flexible Parcel Indicator information.	Valid for UPS World Wide Express Freight shipments.
/RateRequest/Shipment/Package/PackageServiceOptions/Insurance/TimeInTransitFlexibleParcelIndicator/CurrencyCode			

Name	Constraint	Description	Validation
CurrencyCode	Required: Yes* Type: String Max Allowed: 1 Length: 3	The IATA currency code associated with the amount for the package.	UPS does not support all international currency codes. Refer to the appendix for a list of valid codes. Valid for UPS World Wide Express Freight shipments.
/RateRequest/Shipment/Package/PackageServiceOptions/Insurance/TimeInTransitFlexibleParcelIndicator/MonetaryValue			
MonetaryValue	Required: Yes* Type: String Max Allowed: 1 Length: 8	The monetary value associated with the package.	Valid for UPS World Wide Express Freight shipments.
/RateRequest/Shipment/Package/PackageServiceOptions/VerbalConfirmationIndicator			
VerbalConfirmationIndicator	Required: No Type: String Max Allowed: 1 Length: 0	A flag indicating if the packages require Verbal Confirmation. True if VerbalConfirmationIndicator tag exists; false otherwise.	Empty Tag.
/RateRequest/Shipment/Package/PackageServiceOptions/UPSPremiumCareIndicator			
UPSPremiumCareIndicator	Required: No Type: String Max Allowed: 1 Length: 0	An UPSPremiumCareIndicator indicates special handling is required for shipment having controlled substances.	<p>Empty Tag means indicator is present.</p> <p>Valid only for Canada to Canada movements.</p> <p>Available for the following Return Services: Returns Exchange (available with a contract) Print Return Label Print and Mail Electronic Return Label Return Service Three Attempt</p> <p>May be requested with following UPS services: UPS Express® Early UPS Express UPS Express Saver UPS Standard.</p> <p>Not available for packages with the following: Delivery Confirmation - Signature Required Delivery Confirmation - Adult Signature Required.</p>
/RateRequest/Shipment/Package/PackageServiceOptions/HazMat			

Name	Constraint	Description	Validation
HazMat	Required: No Type: Container Max Allowed: 1 Length: N/A	Container to hold HazMat information.	Applies only if SubVersion is greater than or equal to 1701.
/RateRequest/Shipment/Package/PackageServiceOptions/HazMat/PackageIdentifier			
PackageIdentifier	Required: Cond Type: String Max Allowed: 1 Length: 1...5	Identifies the package containing Dangerous Goods.	Required if SubVersion is greater than or equal to 1701.
/RateRequest/Shipment/Package/PackageServiceOptions/HazMat/QValue			
QValue	Required: Cond Type: String Max Allowed: 1 Length: 3	QValue is required when a HazMat shipment specifies AllPackedInOneIndicator and the regulation set for that shipment is IATA.	Applies only if SubVersion is greater than or equal to 1701. Valid values are : 0.1; 0.2; 0.3; 0.4; 0.5; 0.6; 0.7; 0.8; 0.9; 1.0
/RateRequest/Shipment/Package/PackageServiceOptions/HazMat/OverPackedIndicator			
OverPackedIndicator	Required: No Type: String Max Allowed: 1 Length: 0	Presence/Absence Indicator. Any value is ignored. Presence indicates that shipment is overpack.	Applies only if SubVersion is greater than or equal to 1701.
/RateRequest/Shipment/Package/PackageServiceOptions/HazMat/AllPackedInOneIndicator			
AllPackedInOneIndicator	Required: No Type: String Max Allowed: 1 Length: 0	Presence/Absence Indicator. Any value is ignored. Indicates the hazmat shipment/package is all packed in one.	Applies only if SubVersion is greater than or equal to 1701.
/RateRequest/Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord			
HazMatChemicalRecord	Required: Yes* Type: Container Max Allowed: 3 Length: N/A	Container to hold HazMat Chemical Records.	
/RateRequest/Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord/ChemicalRecordIdentifier			
ChemicalRecordIdentifier	Required: Cond Type: String Max Allowed: 1 Length: 1...3	Identifies the Chemical Record.	Required if SubVersion is greater than or equal to 1701.
/RateRequest/Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord/ClassDivisionNumber			
ClassDivisionNumber	Required: Cond Type: String Max Allowed: 1 Length: 1...7	This is the hazard class associated to the specified commodity. Required if CommodityRegulatedLevelCode is 'LQ' or 'FR'	Applies only if SubVersion is greater than or equal to 1701.
/RateRequest/Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord/IDNumber			
IDNumber	Required: Cond Type: String Max Allowed: 1 Length: 1...6	This is the ID number (UN/NA/ID) for the specified commodity. Required if CommodityRegulatedLevelCode = LR, LQ or FR and if the field applies to the material by regulation. UN/NA/ID Identification Number assigned to the specified regulated good. (Include the UN/NA/ID as part of the entry).	Applies only if SubVersion is greater than or equal to 1701.

Name	Constraint	Description	Validation
/RateRequest/Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord/TransportationMode			
TransportationMode	Required: Yes* Type: String Max Allowed: 1 Length: 2	The method of transport by which a shipment is approved to move and the regulations associated with that method. Only required when the CommodityRegulatedLevelCode is FR or LQ. Valid values: 01 - Highway 02 - Ground 03 - Passenger Aircraft 04 - Cargo Aircraft Only	Applies only if SubVersion is greater than or equal to 1701. For multiple ChemicalRecords per package having different TransportationMode, TransportationMode of first ChemicalRecord would be considered for validating and rating the package. All TransportationMode except for '04' are general service offering. If any chemical record contains '04' as TransportationMode, ShipperNumber needs to be authorized to use '04' as TransportationMode.
/RateRequest/Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord/RegulationSet			
RegulationSet	Required: Yes* Type: String Max Allowed: 1 Length: 3...4	The Regulatory set associated with every regulated shipment. It must be the same across the shipment. Valid values: ADR - For Europe to Europe Ground Movement CFR - For HazMat regulated by US Dept. of Transportation within the U.S. or ground shipments to Canada, IATA - For Worldwide Air movement TDG - For Canada to Canada ground movement or Canada to U.S. standard movement	Applies only if SubVersion is greater than or equal to 1701. For multiple ChemicalRecords per package or multiple packages containing different RegulationSet, RegulationSet of first ChemicalRecord would be considered for validating and rating the entire shipment.
/RateRequest/Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord/EmergencyPhone			
EmergencyPhone	Required: No Type: String Max Allowed: 1 Length: 1...25	24 Hour Emergency Phone Number of the shipper. Valid values for this field are (0) through (9) with trailing blanks. For numbers within the U.S., the layout is '1', area code, 7-digit number. For all other countries or territories the layout is country or territory code, area code, number.	Applies only if SubVersion is greater than or equal to 1701. The following are restricted in the phone number "period ".", dash "-", plus sign "+" and conventional parentheses "(" and ")", "EXT or OPT"

Name	Constraint	Description	Validation
/RateRequest/Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord/EmergencyContact			
EmergencyContact	Required: Cond Type: String Max Allowed: 1 Length: 1...35	The emergency information, contact name and/or contact number, required to be communicated when a call is placed to the EmergencyPhoneNumber. The information is required if there is a value in the EmergencyPhoneNumber field above and the shipment is with a US50 or PR origin and/or destination and the RegulationSet is IATA.	Applies only if SubVersion is greater than or equal to 1701.
/RateRequest/Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord/ReportableQuantity			
ReportableQuantity	Required: Cond Type: String Max Allowed: 1 Length: 1...2	Required if CommodityRegulatedLevelCode = LQ or FR and if the field applies to the material by regulation. If reportable quantity is met, 'RQ' should be entered.	Applies only if SubVersion is greater than or equal to 1701.
/RateRequest/Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord/SubRiskClass			
SubRiskClass	Required: Cond Type: String Max Allowed: 1 Length: 1...100	Required if CommodityRegulatedLevelCode = LQ or FR and if the field applies to the material by regulation. Secondary hazardous characteristics of a package. (There can be more than one – separate each with a comma).	Applies only if SubVersion is greater than or equal to 1701.
/RateRequest/Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord/PackagingGroupType			
PackagingGroupType	Required: Cond Type: String Max Allowed: 1 Length: 1...10	This is the packing group category associated to the specified commodity. Required if CommodityRegulatedLevelCode = LQ or FR and if the field applies to the material by regulation. Must be shown in Roman Numerals. Valid values are: I, II, III, blank.	Applies only if SubVersion is greater than or equal to 1701.
/RateRequest/Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord/Quantity			
Quantity	Required: Cond Type: String Max Allowed: 1 Length: 15	Required if CommodityRegulatedLevelCode = LQ or FR. The numerical value of the mass capacity of the regulated good.	Applies only if SubVersion is greater than or equal to 1701.
/RateRequest/Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord/UOM			
UOM	Required: Cond Type: String Max Allowed: 1 Length: 1...10	Required if CommodityRegulatedLevelCode = LQ or FR. The unit of measure used for the mass capacity of the regulated good. For Example: ml, L, g, mg, kg, cylinder, pound, pint, quart, gallon, ounce etc.	Applies only if SubVersion is greater than or equal to 1701.
/RateRequest/Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord/PackagingInstructionCode			

Name	Constraint	Description	Validation
PackagingInstructionCode	Required: Cond Type: String Max Allowed: 1 Length: 1...353	The packing instructions related to the chemical record. Required if CommodityRegulatedLevelCode = LQ or FR and if the field applies to the material by regulation.	Applies only if SubVersion is greater than or equal to 1701.
/RateRequest/Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord/ProperShippingName			
ProperShippingName	Required: Cond Type: String Max Allowed: 1 Length: 1...250	The Proper Shipping Name assigned by ADR, CFR or IATA. Required if CommodityRegulatedLevelCode = LR, LQ or FR.	Applies only if SubVersion is greater than or equal to 1701.
/RateRequest/Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord/TechnicalName			
TechnicalName	Required: Cond Type: String Max Allowed: 1 Length: 1...300	The technical name (when required) for the specified commodity. Required if CommodityRegulatedLevelCode = LQ or FR and if the field applies to the material by regulation.	Applies only if SubVersion is greater than or equal to 1701.
/RateRequest/Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord/AdditionalDescription			
AdditionalDescription	Required: Cond Type: String Max Allowed: 1 Length: 1...75	Additional remarks or special provision information. Required if CommodityRegulatedLevelCode = LQ or FR and if the field applies to the material by regulation. Additional information that may be required by regulation about a hazardous material, such as, "Limited Quantity", DOT-SP numbers, EX numbers.	Applies only if SubVersion is greater than or equal to 1701.
/RateRequest/Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord/PackagingType			
PackagingType	Required: Cond Type: String Max Allowed: 1 Length: 1...255	The package type code identifying the type of packaging used for the commodity. (Ex: Fiberboard Box). Required if CommodityRegulatedLevelCode = LQ or FR.	Applies only if SubVersion is greater than or equal to 1701.
/RateRequest/Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord/HazardLabelRequired			
HazardLabelRequired	Required: Cond Type: String Max Allowed: 1 Length: 1...50	Defines the type of label that is required on the package for the commodity. Not applicable if CommodityRegulatedLevelCode = LR or EQ.	Applies only if SubVersion is greater than or equal to 1701.
/RateRequest/Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord/PackagingTypeQuantity			
PackagingTypeQuantity	Required: Cond Type: String Max Allowed: 1 Length: 1...3	The number of pieces of the specific commodity. Required if CommodityRegulatedLevelCode = LQ or FR. Valid values are 1 to 999.	Applies only if SubVersion is greater than or equal to 1701.
/RateRequest/Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord/CommodityRegulatedLevelCode			

Name	Constraint	Description	Validation
CommodityRegulatedLevelCode	Required: Cond Type: String Max Allowed: 1 Length: 2	Indicates the type of commodity - Fully Regulated (FR), Limited Quantity (LQ), Excepted Quantity (EQ), Lightly Regulated (LR). Default value is FR. Valid values are LR, FR, LQ, EQ.	Applies only if SubVersion is greater than or equal to 1701.
/RateRequest/Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord/TransportCategory			
TransportCategory	Required: No Type: String Max Allowed: 1 Length: 1	Transport Category. Valid values are 0 to 4.	Applies only if SubVersion is greater than or equal to 1701.
/RateRequest/Shipment/Package/PackageServiceOptions/HazMat/HazMatChemicalRecord/TunnelRestrictionCode			
TunnelRestrictionCode	Required: No Type: String Max Allowed: 1 Length: 1...10	Defines what is restricted to pass through a tunnel.	Applies only if SubVersion is greater than or equal to 1701.
/RateRequest/Shipment/Package/PackageServiceOptions/DryIce			
DryIce	Required: No Type: Container Max Allowed: 1 Length: N/A	Container to hold Dry Ice information.	
/RateRequest/Shipment/Package/PackageServiceOptions/DryIce/RegulationSet			
RegulationSet	Required: Yes* Type: String Max Allowed: 1 Length: 3...4	Regulation set for DryIce Shipment. Valid values: CFR = For HazMat regulated by US Dept of Transportation within the U.S. or ground shipments to Canada, IATA = For Worldwide Air movement.	
/RateRequest/Shipment/Package/PackageServiceOptions/DryIce/DryIceWeight			
DryIceWeight	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	Container for Weight information for Dry Ice.	
/RateRequest/Shipment/Package/PackageServiceOptions/DryIce/DryIceWeight/UnitOfMeasurement			
UnitOfMeasurement	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	Container for Unit Of Measurement for Dry Ice.	
/RateRequest/Shipment/Package/PackageServiceOptions/DryIce/DryIceWeight/UnitOfMeasurement/Code			
Code	Required: Yes* Type: String Max Allowed: 1 Length: 2	DryIce weight unit of measurement code. Valid values: 00 = KG (Metric Unit of Measurements) or KGS 01 = LB (English Unit of Measurements) or LBS	The following values are valid : 00 , 01
/RateRequest/Shipment/Package/PackageServiceOptions/DryIce/DryIceWeight/UnitOfMeasurement/Description			

Name	Constraint	Description	Validation
Description	Required: No Type: String Max Allowed: 1 Length: 1...20	Text description of the code representing the unit of measure associated with the package.	
/RateRequest/Shipment/Package/PackageServiceOptions/DryIce/DryIceWeight/Weight			
Weight	Required: Yes* Type: String Max Allowed: 1 Length: 1...5	Weight for Dry Ice.	Cannot be more than package weight. Should be more than 0.0. Valid characters are 0-9 and "." (Decimal point). Limit to 1 digit after the decimal. The maximum length of the field is 5 including "." and can hold up to 1 decimal place.
/RateRequest/Shipment/Package/PackageServiceOptions/DryIce/MedicalUseIndicator			
MedicalUseIndicator	Required: No Type: String Max Allowed: 1 Length: 0	Presence/Absence Indicator. Any value inside is ignored. Relevant only in CFR regulation set. If present it is used to designate the Dry Ice is for any medical use and rates are adjusted for DryIce weight more than 2.5 KGS or 5.5 LBS.	
/RateRequest/Shipment/Package/PackageServiceOptions/DryIce/AuditRequired			
AuditRequired	Required: No Type: String Max Allowed: 1 Length: 0	Presence/Absence Indicator. Any value inside is ignored. Indicates a Dry Ice audit will be performed per the Regulation Set requirements. Empty tag means indicator is present.	
/RateRequest/Shipment/Package/AdditionalHandlingIndicator			
AdditionalHandlingIndicator	Required: No Type: String Max Allowed: 1 Length: 0	A flag indicating if the packages require additional handling. True if AdditionalHandlingIndicator tag exists; false otherwise.	Empty Tag.

ShipmentServiceOptions

Name	Constraint	Description	Validation
/RateRequest/Shipment/ShipmentServiceOptions			
ShipmentServiceOptions	Required: No Type: Container Max Allowed: 1 Length: N/A	Shipment level Accessorials are included in this container.	N/A
/RateRequest/Shipment/ShipmentServiceOptions/SaturdayPickupIndicator			
SaturdayPickupIndicator	Required: No Type: String Max Allowed: 1 Length: 0	A flag indicating if the shipment requires a Saturday pickup. True if SaturdayPickupIndicator tag exists; false otherwise. Not available for GFP rating requests.	Empty Tag.

Name	Constraint	Description	Validation
/RateRequest/Shipment/ShipmentServiceOptions/SaturdayDeliveryIndicator			
SaturdayDeliveryIndicator	Required: No Type: String Max Allowed: 1 Length: 0	A flag indicating if a shipment must be delivered on a Saturday. True if SaturdayDeliveryIndicator tag exists; false otherwise	Empty Tag.
/RateRequest/Shipment/ShipmentServiceOptions/AccessPointCOD			
AccessPointCOD	Required: No Type: Container Max Allowed: 1 Length: N/A	Access Point COD indicates Shipment level Access Point COD is requested for a shipment.	Valid only for "01 - Hold For Pickup At UPS Access Point" Shipment Indication type. Shipment Access Point COD is valid only for countries or territories within E.U. Not valid with (Shipment) COD. Not available to shipment with return service.
/RateRequest/Shipment/ShipmentServiceOptions/AccessPointCOD/CurrencyCode			
CurrencyCode	Required: Yes* Type: String Max Allowed: 1 Length: 3	Access Point COD Currency Code.	Required if Access Point COD container is present. UPS does not support all international currency codes. Refer to the appendix for a list of valid codes.
/RateRequest/Shipment/ShipmentServiceOptions/AccessPointCOD/MonetaryValue			
MonetaryValue	Required: Yes* Type: String Max Allowed: 1 Length: 8...2	Access Point COD Monetary Value.	Required if Access Point COD container is present.
/RateRequest/Shipment/ShipmentServiceOptions/DeliverToAddresseeOnlyIndicator			
DeliverToAddresseeOnlyIndicator	Required: No Type: String Max Allowed: 1 Length: 0	Presence/Absence Indicator. Any value inside is ignored. DeliverToAddresseeOnlyIndicator is shipper specified restriction that requires the addressee to be the one who takes final delivery of the "Hold For Pickup at UPS Access Point" package. Presence of indicator means shipper restriction will apply to the shipment.	Only valid for Shipment Indication type "01 - Hold For Pickup at UPS Access Point".
/RateRequest/Shipment/ShipmentServiceOptions/DirectDeliveryOnlyIndicator			
DirectDeliveryOnlyIndicator	Required: No Type: String Max Allowed: 1 Length: 0	Presence/Absence Indicator. Any value inside is ignored. Direct Delivery Only (DDO) accessorial in a request would ensure that delivery is made only to the Ship To address on the shipping label.	This accessorial is not valid with Shipment Indication Types: 01 - Hold For Pickup At UPS Access Point 02 - UPS Access Point™ Delivery"

Name	Constraint	Description	Validation
/RateRequest/Shipment/ShipmentServiceOptions/COD			
COD	Required: No Type: Container Max Allowed: 1 Length: N/A	If present, indicates C.O.D. is requested for the shipment.	Shipment level C.O.D. is only available for EU origin countries or territories. C.O.D. shipments are only available for Shippers with Daily Pickup and Drop Shipping accounts.
/RateRequest/Shipment/ShipmentServiceOptions/COD/CODFundsCode			
CODFundsCode	Required: Yes* Type: String Max Allowed: 1 Length: 1	For valid values, refer to Rating and Shipping COD Supported Countries or Territories in the Appendix.	
/RateRequest/Shipment/ShipmentServiceOptions/COD/CODAmount			
CODAmount	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	CODAmount Container.	UPS does not support all international currency codes. Refer to the appendix for a list of valid codes.
/RateRequest/Shipment/ShipmentServiceOptions/COD/CODAmount/CurrencyCode			
CurrencyCode	Required: Yes* Type: String Max Allowed: 1 Length: 3	COD amount currency code type.	N/A
/RateRequest/Shipment/ShipmentServiceOptions/COD/CODAmount/MonetaryValue			
MonetaryValue	Required: Yes* Type: String Max Allowed: 1 Length: 8	COD Amount.	
/RateRequest/Shipment/ShipmentServiceOptions/DeliveryConfirmation			
DeliveryConfirmation	Required: No Type: Container Max Allowed: 1 Length: N/A	Delivery Confirmation Container.	DeliveryConfirmation and C.O.D. are mutually exclusive. Refer to the Appendix for a list of valid origin-destination country or territory pairs associated with each confirmation type.
/RateRequest/Shipment/ShipmentServiceOptions/DeliveryConfirmation/DCISType			
DCISType	Required: Yes* Type: String Max Allowed: 1 Length: 1	Type of delivery confirmation.	Valid values: 1 - Delivery Confirmation Signature Required 2 - Delivery Confirmation Adult Signature Required
/RateRequest/Shipment/ShipmentServiceOptions/ReturnOfDocumentIndicator			

Name	Constraint	Description	Validation
ReturnOfDocumentIndicator	Required: No Type: String Max Allowed: 1 Length: 0	Return of Documents Indicator - If the flag is present, the shipper has requested the ReturnOfDocument accessorial be added to the shipment	Valid for Poland to Poland shipment.
/RateRequest/Shipment/ShipmentServiceOptions/UPScarbonneutralIndicator			
UPScarbonneutralIndicator	Required: No Type: String Max Allowed: 1 Length: 0	UPS carbon neutral indicator. Indicates the shipment will be rated as carbon neutral.	
/RateRequest/Shipment/ShipmentServiceOptions/CertificateOfOriginIndicator			
CertificateOfOriginIndicator	Required: No Type: String Max Allowed: 1 Length: 0	The empty tag in request indicates that customer would be using UPS prepared SED form.	Valid for UPS World Wide Express Freight shipments.
/RateRequest/Shipment/ShipmentServiceOptions/PickupOptions			
PickupOptions	Required: No Type: Container Max Allowed: 1 Length: N/A	Shipment Service Pickup Options Container.	Valid for UPS Worldwide Express Freight and UPS Worldwide Express Freight Midday shipments.
/RateRequest/Shipment/ShipmentServiceOptions/PickupOptions/LiftGateAtPickupIndicator			
LiftGateAtPickupIndicator	Required: No Type: String Max Allowed: 1 Length: 0	The presence of the tag LiftGatePickupRequiredIndicator indicates that the shipment requires a lift gate for pickup.	
/RateRequest/Shipment/ShipmentServiceOptions/PickupOptions/HoldForPickupIndicator			
HoldForPickupIndicator	Required: No Type: String Max Allowed: 1 Length: 0	The presence of the tag HoldForPickupIndicator indicates that the user opted to hold the shipment at UPS location for pickup.	
/RateRequest/Shipment/ShipmentServiceOptions/DeliveryOptions			
DeliveryOptions	Required: No Type: Container Max Allowed: 1 Length: N/A	Shipment Service Delivery Options Container.	Valid for UPS Worldwide Express Freight and UPS Worldwide Express Freight Midday shipments.
/RateRequest/Shipment/ShipmentServiceOptions/DeliveryOptions/LiftGateAtDeliveryIndicator			
LiftGateAtDeliveryIndicator	Required: No Type: String Max Allowed: 1 Length: 0	The presence of the tag LiftGateAtDeliveryIndicator indicates that the shipment requires a lift gate for delivery.	
/RateRequest/Shipment/ShipmentServiceOptions/DeliveryOptions/DropOffAtUPSFacilityIndicator			
DropOffAtUPSFacilityIndicator	Required: No Type: String Max Allowed: 1 Length: 0	The presence of the tag DropOffAtUPSFacilityIndicator indicates the package will be dropped at a UPS facility for shipment.	
/RateRequest/Shipment/ShipmentServiceOptions/RestrictedArticles			
RestrictedArticles	Required: No Type: Container Max Allowed: 1 Length: N/A	Restricted Articles container.	Valid for UPS World Wide Express Freight shipments.

Name	Constraint	Description	Validation
/RateRequest/Shipment/ShipmentServiceOptions/RestrictedArticles/AlcoholicBeveragesIndicator			
AlcoholicBeveragesIndicator	Required: No Type: String Max Allowed: 1 Length: 0	This field is a flag to indicate if the package has Alcohol. True if present; false otherwise.	Valid for UPS World Wide Express Freight shipments.
/RateRequest/Shipment/ShipmentServiceOptions/RestrictedArticles/DiagnosticSpecimensIndicator			
DiagnosticSpecimensIndicator	Required: No Type: String Max Allowed: 1 Length: 0	This field is a flag to indicate if the package has Biological substances. True if present; false otherwise.	Valid for UPS World Wide Express Freight shipments.
/RateRequest/Shipment/ShipmentServiceOptions/RestrictedArticles/PerishablesIndicator			
PerishablesIndicator	Required: No Type: String Max Allowed: 1 Length: 0	This field is a flag to indicate if the package has Perishables. True if present; false otherwise.	Valid for UPS World Wide Express Freight shipments.
/RateRequest/Shipment/ShipmentServiceOptions/RestrictedArticles/PlantsIndicator			
PlantsIndicator	Required: No Type: String Max Allowed: 1 Length: 0	This field is a flag to indicate if the package has Plants. True if present; false otherwise.	Valid for UPS World Wide Express Freight shipments.
/RateRequest/Shipment/ShipmentServiceOptions/RestrictedArticles/SeedsIndicator			
SeedsIndicator	Required: No Type: String Max Allowed: 1 Length: 0	This field is a flag to indicate if the package has Seeds. True if present; false otherwise.	Valid for UPS World Wide Express Freight shipments.
/RateRequest/Shipment/ShipmentServiceOptions/RestrictedArticles/SpecialExceptionsIndicator			
SpecialExceptionsIndicator	Required: No Type: String Max Allowed: 1 Length: 0	This field is a flag to indicate if the package has Special Exceptions Restricted Materials. True if present; false otherwise.	Valid for UPS World Wide Express Freight shipments.
/RateRequest/Shipment/ShipmentServiceOptions/RestrictedArticles/TobaccoIndicator			
TobaccoIndicator	Required: No Type: String Max Allowed: 1 Length: 0	This field is a flag to indicate if the package has Tobacco. True if present; false otherwise.	Valid for UPS World Wide Express Freight shipments.
/RateRequest/Shipment/ShipmentServiceOptions/ShipperExportDeclarationIndicator			
ShipperExportDeclarationIndicator	Required: No Type: String Max Allowed: 1 Length: 0	The empty tag in request indicates that customer would be using UPS prepared SED form.	Valid for UPS World Wide Express Freight shipments.

Name	Constraint	Description	Validation
/RateRequest/Shipment/ShipmentServiceOptions/CommercialInvoiceRemovalIndicator			
CommercialInvoiceRemovalIndicator	Required: No Type: String Max Allowed: 1 Length: 0	Presence/Absence Indicator. Any value inside is ignored. CommercialInvoiceRemovalIndicator - empty tag means indicator is present. CommercialInvoiceRemovalIndicator allows a shipper to dictate that UPS remove the Commercial Invoice from the user's shipment before the shipment is delivered to the ultimate consignee.	
/RateRequest/Shipment/ShipmentServiceOptions/ImportControl			
ImportControl	Required: No Type: Container Max Allowed: 1 Length: N/A	Container for type of Import Control shipments.	
/RateRequest/Shipment/ShipmentServiceOptions/ImportControl/Code			
Code	Required: Yes* Type: String Max Allowed: 1 Length: 2	Code for type of Import Control shipment. Valid values are: '01' = ImportControl Print and Mail '02' = ImportControl One-Attempt '04' = ImportControl Electronic Label '05' = ImportControl Print Label.	
/RateRequest/Shipment/ShipmentServiceOptions/ImportControl/Description			
Description	Required: No Type: String Max Allowed: 1 Length: 1...50	Text description of the code representing the Import Control associated with the shipment.	
/RateRequest/Shipment/ShipmentServiceOptions/ReturnService			
ReturnService	Required: No Type: Container Max Allowed: 1 Length: N/A	Container for type of Return Services.	
/RateRequest/Shipment/ShipmentServiceOptions/ReturnService/Code			
Code	Required: Yes* Type: String Max Allowed: 1 Length: 1...2	Code for type of Return shipment. Valid values are: '2' = UPS Print and Mail Return Label '3' = UPS One-Attempt Return Label '5' = UPS Three Attempt Return Label '8' = UPS Electronic Return Label '9' = UPS Print Return Label '10' = UPS Exchange Print Return Label	#5 and #10 - Three Attempt Return Label are not valid for UPS WorldWide Express Freight and UPS Worldwide Express Freight Midday Services. #3 is not valid return service with UPS Premium Care accessorial.
/RateRequest/Shipment/ShipmentServiceOptions/ReturnService/Description			
Description	Required: No Type: String Max Allowed: 1 Length: 1...50	Description for type of Return Service.	
/RateRequest/Shipment/ShipmentServiceOptions/SDLShipmentIndicator			

Name	Constraint	Description	Validation
SDLShipmentIndicator	Required: No Type: String Max Allowed: 1 Length: 0	Empty Tag means the indicator is present. This field is a flag to indicate if the receiver needs SDL rates in response. True if SDLShipmentIndicator tag exists; false otherwise.	If present, the State Department License (SDL) rates will be returned in the response. This service requires that the account number is enabled for SDL.
/RateRequest/Shipment/ShipmentServiceOptions/EPRAIndicator			
EPRAIndicator	Required: No Type: String Max Allowed: 1 Length: 0	Presence/Absence Indicator. Any value inside is ignored. This field is a flag to indicate Package Release Code is requested for shipment. This accessorail is only valid with ShipmentIndicationType '01' - Hold for Pickup at UPS Access Point™.	

ShipmentRatingOptions

Name	Constraint	Description	Validation
/RateRequest/Shipment/ShipmentRatingOptions			
ShipmentRatingOptions	Required: No Type: Container Max Allowed: 1 Length: N/A	Shipment Rating Options container.	N/A
/RateRequest/Shipment/ShipmentRatingOptions/NegotiatedRatesIndicator			
NegotiatedRatesIndicator	Required: Cond Type: String Max Allowed: 1 Length: 0	<p>NegotiatedRatesIndicator - Required to display two types of discounts:</p> <ol style="list-style-type: none"> 1) Bids or Account Based Rates 2) Web/Promotional Discounts Bids <p>Account Based Rates: If the indicator is present, the Shipper is authorized, and the Rating API XML Request is configured to return Negotiated Rates, then Negotiated Rates should be returned in the response.</p> <p>Web/Promotional Discounts: If the indicator is present, the Shipper is authorized for Web/Promotional Discounts then Negotiated Rates should be returned in the response.</p>	
/RateRequest/Shipment/ShipmentRatingOptions/FRSShipmentIndicator			
FRSShipmentIndicator	Required: Cond Type: String Max Allowed: 1 Length: 0	FRS Indicator. The indicator is required to obtain rates for UPS Ground Freight Pricing (GFP).	The account number must be enabled for GFP.
/RateRequest/Shipment/ShipmentRatingOptions/RateChartIndicator			
RateChartIndicator	Required: Cond Type: String Max Allowed: 1 Length: 0	RateChartIndicator - If present in a request, the response will contain a RateChart element.	

Name	Constraint	Description	Validation
/RateRequest/Shipment/ShipmentRatingOptions/UserLevelDiscountIndicator			
UserLevelDiscountIndicator	Required: No Type: String Max Allowed: 1 Length: 0	UserLevelDiscountIndicator - required to obtain rates for User Level Promotions.	This is required to obtain User Level Discounts. There must also be no ShipperNumber in the Shipper container.

InvoiceLineTotal

Name	Constraint	Description	Validation
/RateRequest/Shipment/InvoiceLineTotal			
InvoiceLineTotal	Required: Cond Type: Container Max Allowed: 1 Length: N/A	Container to hold InvoiceLineTotal Information.	Required if the shipment is from US/PR Outbound to non US/PR destination with the PackagingType of UPS PAK(04). Required for international shipments when using request option "ratetimeintransit" or "shoptimeintransit".
/RateRequest/Shipment/InvoiceLineTotal/CurrencyCode			
CurrencyCode	Required: No Type: String Max Allowed: 1 Length: 3	Invoice Line Total Currency type. Defaults to the rating currency used in the shipper's country or territory. If entered, the Currency code should match the origin country's or territory's currency code, otherwise the currency code entered will be ignored.	Note: UPS doesn't support all international currency codes. Please check the developer guides for Supported Currency codes.
/RateRequest/Shipment/InvoiceLineTotal/MonetaryValue			
MonetaryValue	Required: Yes* Type: String Max Allowed: 1 Length: 1..19	Total amount of the invoice accompanying the shipment. Required when the InvoiceLineTotal container exists in the rate request.	Valid values are from 1 to 99999999.

RatingMethodRequestedIndicator

Name	Constraint	Description	Validation
/RateRequest/Shipment/RatingMethodRequestedIndicator			
RatingMethodRequestedIndicator	Required: No Type: String Max Allowed: 1 Length: 0	Presence/Absence Indicator. Any value inside is ignored. RatingMethodRequestedIndicator is an indicator. If present, Billable Weight Calculation method and Rating Method information would be returned in response.	

TaxInformationIndicator

Name	Constraint	Description	Validation
/RateRequest/Shipment/TaxInformationIndicator			
TaxInformationIndicator	Required: No Type: String Max Allowed: 1 Length: 0	<p>Presence/Absence Indicator. Any value inside is ignored. TaxInformationIndicator is an indicator.</p> <p>The Tax related information includes any type of Taxes, corresponding Monetary Values, Total Charges with Taxes and disclaimers (if applicable) would be returned in response.</p>	<p>If present, any taxes that may be applicable to a shipment would be returned in response.</p> <p>If this indicator is requested with NegotiatedRatesIndicator, Tax related information, if applicable, would be returned only for Negotiated Rates and not for Published Rates.</p>

PromotionalDiscountInformation

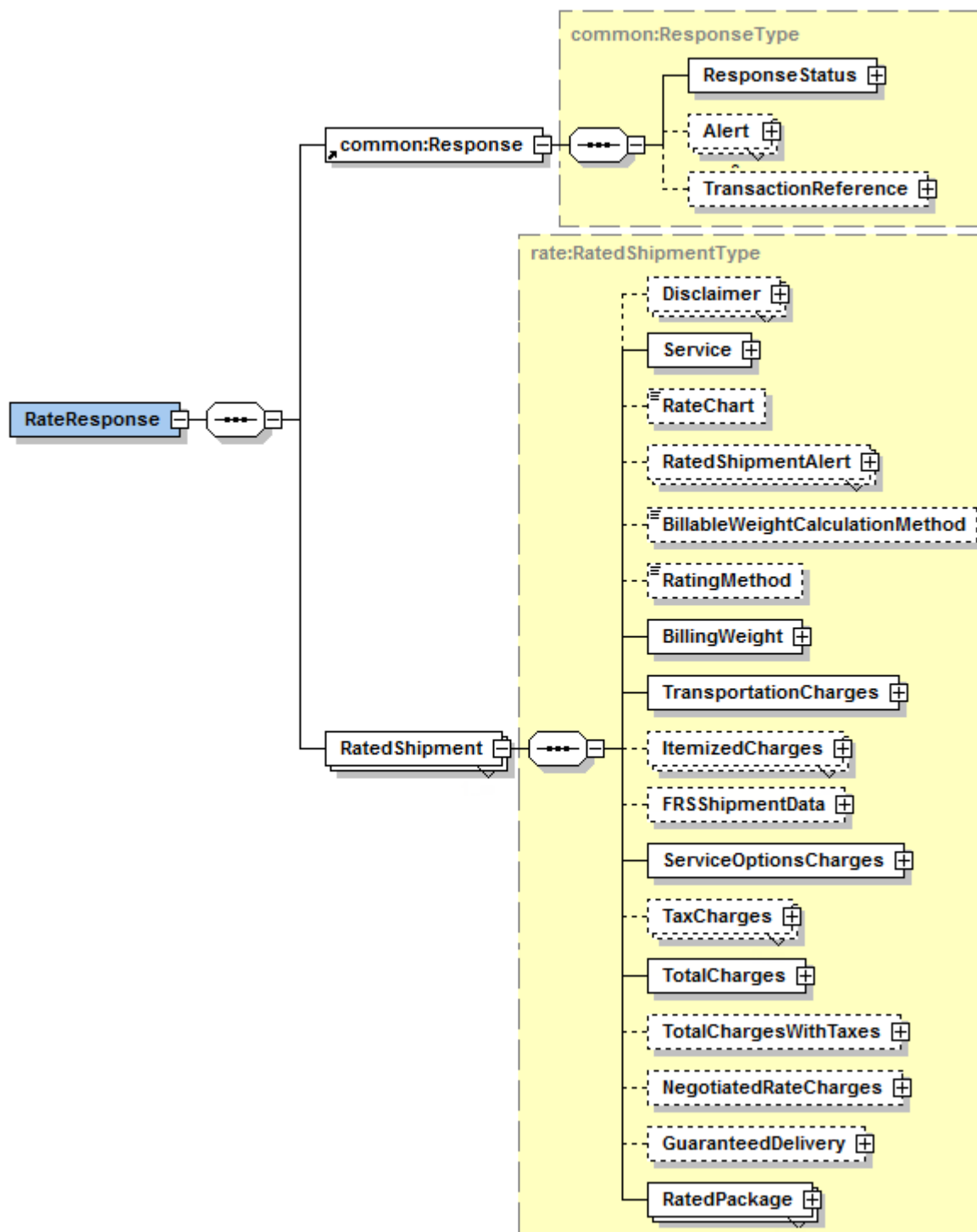
Name	Constraint	Description	Validation
/RateRequest/Shipment/PromotionalDiscountInformation			
PromotionalDiscountInformation	Required: No Type: Container Max Allowed: 1 Length: N/A	PromotionalDiscountInformation container. This container contains discount information that the customer wants to request each time while placing a shipment.	
/RateRequest/Shipment/PromotionalDiscountInformation/PromoCode			
PromoCode	Required: Yes* Type: String Max Allowed: 1 Length: 9	Promotion Code. A discount that is applied to the user.	Required if PromotionalDiscountInformation container is present.
/RateRequest/Shipment/PromotionalDiscountInformation/PromoAliasCode			
PromoAliasCode	Required: Yes* Type: String Max Allowed: 1 Length: 20	Promotion Alias code	Required if PromotionalDiscountInformation container is present.

DeliveryTimeInformation

Name	Constraint	Description	Validation
/RateRequest/Shipment/DeliveryTimeInformation			
DeliveryTimeInformation	Required: No Type: Container Max Allowed: 1 Length: N/A	Container for requesting Time In Transit Information. Required to view time in transit information.	Required to view any time in transit information.
/RateRequest/Shipment/DeliveryTimeInformation/PackageBillType			

Name	Constraint	Description	Validation
PackageBillType	Required: Yes* Type: String Max Allowed: 1 Length: 2	Valid values are: 02 - Document only 03 - Non-Document 04 - WVEF Pallet 07 - Domestic Pallet If 04 is included, Worldwide Express Freight and UPS Worldwide Express Freight Midday services (if applicable) will be included in the response.	
/RateRequest/Shipment/DeliveryTimeInformation/Pickup			
Pickup	Required: No Type: Container Max Allowed: 1 Length: N/A	Pickup container.	
/RateRequest/Shipment/DeliveryTimeInformation/Pickup/Date			
Date	Required: No Type: String Max Allowed: 1 Length: 8	Shipment Date; The Pickup date is a Shipment Date and it is a required input field. The user is allowed to query up to 35 days into the past and 60 days into the future. Format: YYYYMMDD	If a date is not provided, it will be defaulted to the current system date.
/RateRequest/Shipment/DeliveryTimeInformation/Pickup/Time			
Time	Required: No Type: String Max Allowed: 1 Length: 4...6	Reflects the time the package is tendered to UPS for shipping (can be dropped off at UPS or picked up by UPS). Military Time Format HHMMSS or HHMM.	Invalid pickup time will not be validated.

RateResponse Top Level Containers



RateResponse XPath Tables

Note: Not all containers/elements are reflected separately in the table of contents.

RateResponse

Name	Constraint	Description	Validation
/RateResponse			
RateResponse	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Rate Response Container.	

Response

Name	Constraint	Description	Validation
/RateResponse/Response			
Response	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Response Container.	

ResponseStatus

Name	Constraint	Description	Validation
/RateResponse/Response/ResponseStatus			
ResponseStatus	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Response Status Container.	
/RateResponse/Response/ResponseStatus/Code			
Code	Required: Yes Type: String Max Allowed: 1 Length: 1	Identifies the success or failure of the transaction.	1 = Successful
/RateResponse/Response/ResponseStatus/Description			
Description	Required: Yes Type: String Max Allowed: 1 Length: 1...35	Describes Response Status Code. Returns text of "Success" for a valid request.	

Alert

Name	Constraint	Description	Validation
/RateResponse/Response/Alert			
Alert	Required: No Type: Container Max Allowed: UNB Length: N/A	Alert container. There can be zero to many alert containers with code and description.	

Name	Constraint	Description	Validation
/RateResponse/Response/Alert/Code			
Code	Required: Yes* Type: String Max Allowed: 1 Length: 1...10	Warning code returned by the system.	
/RateResponse/Response/Alert/Description			
Description	Required: Yes* Type: String Max Allowed: 1 Length: 1...150	Warning messages returned by the system.	
/RateResponse/Response/AlertDetail			
AlertDetail	Required: No Type: Container Max Allowed: Unbounded Length: N/A	Alert Detail Container.	Currently applies to and returned only for request containing HazMat and SubVersion greater than or equal to 1701.
/RateResponse/Response/AlertDetail/Code			
Code	Required: Yes* Type: String Max Allowed: 1 Length: 1...10	Warning code returned by the system.	
/RateResponse/Response/AlertDetail/Description			
Description	Required: Yes* Type: String Max Allowed: 1 Length: 1...150	Warning messages returned by the system.	
/RateResponse/Response/AlertDetail/ElementLevelInformation			
ElementLevelInformation	Required: Cond Type: Container Max Allowed: 1 Length: N/A	Provides more information about the element that represents the alert.	
/RateResponse/Response/AlertDetail/ElementLevelInformation/Level			
Level	Required: Yes* Type: String Max Allowed: 1 Length: 1	Define type of element in request. Possible values are - 'H' for the header details level, 'S' for the shipment level, 'P' for the package level, 'C' for the commodity level.	
/RateResponse/Response/AlertDetail/ElementLevelInformation/ElementIdentifier			
ElementIdentifier	Required: Cond Type: Container Max Allowed: Unbounded Length: N/A	Contains more information about the type of element. Returned if Level is 'P' or 'C'.	
/RateResponse/Response/AlertDetail/ElementLevelInformation/ElementIdentifier/Code			
Code	Required: Yes* Type: String Max Allowed: 1 Length: 1	Represents the type of element. Possible values are 'P' and 'C'.	

Name	Constraint	Description	Validation
/RateResponse/Response/AlertDetail/ElementLevelInformation/ElementIdentifier/Value			
Value	Required: Yes* Type: String Max Allowed: 1 Length: 1...5	Represents the value of element.	

TransactionReference

Name	Constraint	Description	Validation
/RateResponse/Response/TransactionReference			
TransactionReference	Required: No Type: Container Max Allowed: 1 Length: N/A	Transaction Reference Container.	
/RateResponse/Response/TransactionReference/CustomerContext			
CustomerContext	Required: No Type: String Max Allowed: 1 Length: 1...512	The CustomerContext Information which will be echoed during response.	

RatedShipment

Name	Constraint	Description	Validation
/RateResponse/RatedShipment			
RatedShipment	Required: Yes Type: Container Max Allowed: 1 Length: N/A	RatedShipment Container.	
/RateResponse/RatedShipment/Disclaimer			
Disclaimer	Required: Cond Type: Container Max Allowed: UNB Length: N/A	Disclaimer is used to provide more information to the shipper regarding the processed shipment. It is used to notify the shipper about possible taxes and duties that might have been added or might apply to the shipment. Refer to the Appendix for various disclaimers. This field may be returned only if TaxInformationIndicator is present in the request.	
/RateResponse/RatedShipment/Disclaimer/Code			
Code	Required: Yes* Type: String Max Allowed: 1 Length: 2	Code representing type of Disclaimer. Refer to the Appendix for possible code values.	
/RateResponse/RatedShipment/Disclaimer/Description			
Description	Required: Yes* Type: String Max Allowed: 1 Length: UNB	Disclaimer description. Please refer to Appendix for possible descriptions.	

Service

Name	Constraint	Description	Validation
/RateResponse/RatedShipment/Service			
Service	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Service Container.	
/RateResponse/RatedShipment/Service/Code			
Code	Required: Yes Type: String Max Allowed: 1 Length: 3	The UPS service code.	
/RateResponse/RatedShipment/Service/Description			
Description	Required: No Type: String Max Allowed: 1 Length: 1...35	The UPS service Description.	

RateChart

Name	Constraint	Description	Validation
/RateResponse/RatedShipment/RateChart			
RateChart	Required: No Type: String Max Allowed: 1 Length: 1	Rate Type with which Shipment is rated. Possible RateChart values for different regions will be: US 48 origin: 1 – Daily Rates 3 – Standard List Rates 4 – Retail Rates. Alaska/Hawaii origin: 1 – Daily Rates 3 – Standard List Rates 4 – Retail Rates. All Other origins: 1 – Rates 5 - Regional Rates 6 - General List Rates. 3 and 4 do not apply	

RatedShipmentAlert

Name	Constraint	Description	Validation
/RateResponse/RatedShipment/RatedShipmentAlert			
RatedShipmentAlert	Required: No Type: Container Max Allowed: UNB Length: N/A	Rated Shipment Alert container. There can be zero to many RatedShipmentAlert containers with code and description.	
/RateResponse/RatedShipment/RatedShipmentAlert/Code			
Code	Required: Yes* Type: String Max Allowed: 1 Length: 1...10	The rated shipments warning code returned by the system.	

Name	Constraint	Description	Validation
/RateResponse/RatedShipment/RatedShipmentAlert/Description			
Description	Required: Yes* Type: String Max Allowed: 1 Length: 1...150	The rated shipment warning Description returned by the system.	

BillableWeightCalculationMethod

Name	Constraint	Description	Validation
/RateResponse/RatedShipment/BillableWeightCalculationMethod			
BillableWeightCalculationMethod	Required: Cond Type: String Max Allowed: 1 Length: 2	Indicates whether the billable weight calculation method is utilized at the package or shipment level. This information will be returned only if RatingMethodRequestedIndicator is present in the request.	Possible values: 01 = Shipment Billable Weight 02 = Package Billable Weight

RatingMethod

Name	Constraint	Description	Validation
/RateResponse/RatedShipment/RatingMethod			
RatingMethod	Required: Cond Type: String Max Allowed: 1 Length: 2	Indicates whether the Shipment was rated at the shipment-level or the package-level. This information will be returned only if RatingMethodRequestedIndicator is present in the request.	Possible values: 01 = Shipment level 02 = Package level

BillingWeight

Name	Constraint	Description	Validation
/RateResponse/RatedShipment/BillingWeight			
BillingWeight	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Billing Weight Container.	
/RateResponse/RatedShipment/BillingWeight/UnitOfMeasurement			
UnitOfMeasurement	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Unit Of Measurement Container.	
/RateResponse/RatedShipment/BillingWeight/UnitOfMeasurement/Code			
Code	Required: Yes Type: String Max Allowed: 1 Length: 3	The code associated with the unit of measure for the billable weight of a shipment. Possible values are KGS or LBS.	
/RateResponse/RatedShipment/BillingWeight/UnitOfMeasurement/Description			
Description	Required: Yes Type: String Max Allowed: 1 Length: 1...35	The description for the billable weight associated with the shipment.	

Name	Constraint	Description	Validation
/RateResponse/RatedShipment/BillingWeight/Weight			
Weight	Required: Yes Type: String Max Allowed: 1 Length: 5	The value for the billable weight associated with the shipment.	

TransportationCharges

Name	Constraint	Description	Validation
/RateResponse/RatedShipment/TransportationCharges			
TransportationCharges	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Transportation Charges Container.	
/RateResponse/RatedShipment/TransportationCharges/CurrencyCode			
CurrencyCode	Required: Yes Type: String Max Allowed: 1 Length: 3	The IATA currency code associated with the transportation costs for the shipment.	
/RateResponse/RatedShipment/TransportationCharges/MonetaryValue			
MonetaryValue	Required: Yes Type: String Max Allowed: 1 Length: 16	The value for the transportation costs associated with the shipment.	

BaseServiceCharge

Name	Constraint	Description	Validation
/RateResponse/RatedShipment/BaseServiceCharge			
BaseServiceCharge	Required: Cond Type: Container Max Allowed: 1 Length: N/A	Base Service Charge Container.	These charges would be returned only when subversion is greater than or equal to 1701
/RateResponse/RatedShipment/BaseServiceCharge/CurrencyCode			
CurrencyCode	Required: Yes* Type: String Max Allowed: 1 Length: 3	The IATA currency code associated with the base service charge costs for the shipment.	
/RateResponse/RatedShipment/BaseServiceCharge/MonetaryValue			
MonetaryValue	Required: Yes* Type: String Max Allowed: 1 Length: 16	The base value of the specific service for the shipment. This is equal to transportation charges - fuel surcharges.	

ItemizedCharges

Name	Constraint	Description	Validation
/RateResponse/RatedShipment/ItemizedCharges			
ItemizedCharges	Required: Cond Type: Container Max Allowed: 1 UNB Length: N/A	Itemized Charges are returned only when the subversion element is present and greater than or equal to '1601'.	These charges would be returned only when subversion is greater than or equal to 1601
/RateResponse/RatedShipment/ItemizedCharges/Code			
Code	Required: Yes* Type: String Max Allowed: 1 Length: 3	Identification code for itemized charge.	
/RateResponse/RatedShipment/ItemizedCharges/Description			
Description	Required: No Type: String Max Allowed: 1 Length: 1...50	Description of Itemized Charge that had been charged.	
/RateResponse/RatedShipment/ItemizedCharges/CurrencyCode			
CurrencyCode	Required: Yes* Type: String Max Allowed: 1 Length: 3	The IATA currency code associated with the Itemized Charge costs for the shipment.	
/RateResponse/RatedShipment/ItemizedCharges/MonetaryValue			
MonetaryValue	Required: Yes* Type: String Max Allowed: 1 Length: 16	The value for Itemized Charge costs associated with the shipment.	
/RateResponse/RatedShipment/ItemizedCharges/SubType			
SubType	Required: No Type: String Max Allowed: 1 Length: 1...50	The sub-type of Itemized Charge type.	

FRSShipmentData

Name	Constraint	Description	Validation
/RateResponse/RatedShipment/FRSShipmentData			
FRSShipmentData	Required: Cond Type: Container Max Allowed: 1 Length: N/A	FRSShipmentData container.	Only returned when the FRSShipmentIndicat or is used. UPS Ground Freight Pricing Only.
/RateResponse/RatedShipment/FRSShipmentData/TransportationCharges			
TransportationCharges	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	Transportation Charges Container	

Name	Constraint	Description	Validation
/RateResponse/RatedShipment/FRSShipmentData/TransportationCharges/GrossCharge			
GrossCharge	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	Gross Transportation Charges Container	
/RateResponse/RatedShipment/FRSShipmentData/TransportationCharges/GrossCharge/CurrencyCode			
CurrencyCode	Required: Yes* Type: String Max Allowed: 1 Length: 3	The IATA currency code associated with the transportation costs for the shipment.	
/RateResponse/RatedShipment/FRSShipmentData/TransportationCharges/GrossCharge/MonetaryValue			
MonetaryValue	Required: Yes* Type: String Max Allowed: 1 Length: 1..19	Total charges Monetary value. Valid values are from 0 to 999999999999999.99	
/RateResponse/RatedShipment/FRSShipmentData/TransportationCharges/DiscountAmount			
DiscountAmount	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	Discount Container	
/RateResponse/RatedShipment/FRSShipmentData/TransportationCharges/DiscountAmount/CurrencyCode			
CurrencyCode	Required: Yes* Type: String Max Allowed: 1 Length: 3	The IATA currency code associated with the transportation costs for the shipment.	
/RateResponse/RatedShipment/FRSShipmentData/TransportationCharges/DiscountAmount/MonetaryValue			
MonetaryValue	Required: Yes* Type: String Max Allowed: 1 Length: 1..19	Total charges Monetary value. Valid values are from 0 to 999999999999999.99	
/RateResponse/RatedShipment/FRSShipmentData/TransportationCharges/DiscountPercentage			
DiscountPercentage	Required: Yes* Type: String Max Allowed: 1 Length: 2	Discount Percentage	
/RateResponse/RatedShipment/FRSShipmentData/TransportationCharges/NetCharge			
NetCharge	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	Net Transportation Rate Container	
/RateResponse/RatedShipment/FRSShipmentData/TransportationCharges/NetCharge/CurrencyCode			
CurrencyCode	Required: Yes* Type: String Max Allowed: 1 Length: 3	The IATA currency code associated with the transportation costs for the shipment.	
/RateResponse/RatedShipment/FRSShipmentData/TransportationCharges/NetCharge/MonetaryValue			
MonetaryValue	Required: Yes* Type: String Max Allowed: 1 Length: 1..19	Total charges Monetary value. Valid values are from 0 to 999999999999999.99	

Name	Constraint	Description	Validation
/RateResponse/RatedShipment/FRSShipmentData/FreightDensityRate			
FreightDensityRate	Required: No Type: Container Max Allowed: 1 Length: N/A	FreightDensityRate container for Density based rating.	
/RateResponse/RatedShipment/FRSShipmentData/FreightDensityRate/Density			
Density	Required: Yes* Type: String Max Allowed: 1 Length: 1...5	Density is returned if the Shipper is eligible for Density based rate. Valid values:0 to 999.9	
/RateResponse/RatedShipment/FRSShipmentData/FreightDensityRate/TotalCubicFeet			
TotalCubicFeet	Required: Yes* Type: String Max Allowed: 1 Length: 1...9	TotalCubic feet is returned if the Shipper is eligible for Density based rate. Valid values:0 to 99999.999	
/RateResponse/RatedShipment/FRSShipmentData/HandlingUnits			
HandlingUnits	Required: No Type: Container Max Allowed: UNB Length: N/A	Handling Unit for Density based rating container.	
/RateResponse/RatedShipment/FRSShipmentData/HandlingUnits/Quantity			
Quantity	Required: Yes* Type: String Max Allowed: 1 Length: 8	Handling Unit Quantity for Density based rating.	
/RateResponse/RatedShipment/FRSShipmentData/HandlingUnits/Type			
Type	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	Handling Unit Type for Density based rating.	
/RateResponse/RatedShipment/FRSShipmentData/HandlingUnits/Type/Code			
Code	Required: Yes* Type: String Max Allowed: 1 Length: 3	The code associated with Handling Unit Type.	Valid values: SKD = Skid CBY = Carboy PLT = Pallet TOT = Totes LOO = Loose OTH = Other
/RateResponse/RatedShipment/FRSShipmentData/HandlingUnits/Type/Description			
Description	Required: No Type: String Max Allowed: 1 Length: 1...35	A description of the code for the Handling Unit type.	
/RateResponse/RatedShipment/FRSShipmentData/HandlingUnits/Dimensions			
Dimensions	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	Dimension of the HandlingUnit container for density based pricing.	

Name	Constraint	Description	Validation
/RateResponse/RatedShipment/FRSShipmentData/HandlingUnits/Dimensions/UnitOfMeasurement			
UnitOfMeasurement	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	UnitOfMeasurement container.	
/RateResponse/RatedShipment/FRSShipmentData/HandlingUnits/Dimensions/UnitOfMeasurement/Code			
Code	Required: Yes* Type: String Max Allowed: 1 Length: 3	Code for UnitOfMeasurement for the line item dimension. Valid value: IN = Inches	
/RateResponse/RatedShipment/FRSShipmentData/HandlingUnits/Dimensions/UnitOfMeasurement/Description			
Description	Required: No Type: String Max Allowed: 1 Length: 1...35	Description for UnitOfMeasurement for the line item dimension.	
/RateResponse/RatedShipment/FRSShipmentData/HandlingUnits/Dimensions/Length			
Length	Required: Yes* Type: String Max Allowed: 1 Length: 1...19	The length of the line item used to determine dimensional weight.	
/RateResponse/RatedShipment/FRSShipmentData/HandlingUnits/Dimensions/Width			
Width	Required: Yes* Type: String Max Allowed: 1 Length: 1...19	The width of the line item used to determine dimensional weight.	
/RateResponse/RatedShipment/FRSShipmentData/HandlingUnits/Dimensions/Height			
Height	Required: Yes* Type: String Max Allowed: 1 Length: 1...19	The height of the line item used to determine dimensional weight.	
/RateResponse/RatedShipment/FRSShipmentData/HandlingUnits/AdjustedHeight			
AdjustedHeight	Required: Cond Type: Container Max Allowed: 1 Length: N/A	Container to hold Adjusted Height information.	
/RateResponse/RatedShipment/FRSShipmentData/HandlingUnits/AdjustedHeight/Value			
Value	Required: Yes* Type: String Max Allowed: 1 Length: 1...19	Adjusted Height value for the handling unit.	Adjusted Height is done only when Handling unit type is SKD = Skid or PLT = Pallet.
/RateResponse/RatedShipment/FRSShipmentData/HandlingUnits/AdjustedHeight/UnitOfMeasurement			
UnitOfMeasurement	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	Unit of Measurement container for the Adjusted height.	
/RateResponse/RatedShipment/FRSShipmentData/HandlingUnits/AdjustedHeight/UnitOfMeasurement/Code			
Code	Required: Yes* Type: String Max Allowed: 1 Length: 3	Code associated with Unit of Measurement for the Adjusted height.	
/RateResponse/RatedShipment/FRSShipmentData/HandlingUnits/AdjustedHeight/UnitOfMeasurement/Description			

Name	Constraint	Description	Validation
Description	Required: No Type: String Max Allowed: 1 Length: 1...35	Description for Code associated with Unit of Measurement for the Adjusted height.	
/RateResponse/RatedShipment/RatedPackage/BaseServiceCharge			
BaseServiceCharge	Required: Cond Type: Container Max Allowed: 1 Length: N/A	Base Service Charge Container.	These charges would be returned only when subversion is greater than or equal to 1701
/RateResponse/RatedShipment/RatedPackage/BaseServiceCharge/CurrencyCode			
CurrencyCode	Required: Yes* Type: String Max Allowed: 1 Length: 3	The IATA currency code associated with the base service charge costs for the shipment.	
/RateResponse/RatedShipment/RatedPackage/BaseServiceCharge/MonetaryValue			
MonetaryValue	Required: Yes* Type: String Max Allowed: 1 Length: 16	The base value of the specific service for the shipment. This is equal to transportation charges - fuel surcharges.	

ServiceOptionsCharges

Name	Constraint	Description	Validation
/RateResponse/RatedShipment/ServiceOptionsCharges			
ServiceOptionsCharges	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Service Options Charges Container.	
/RateResponse/RatedShipment/ServiceOptionsCharges/CurrencyCode			
CurrencyCode	Required: Yes Type: String Max Allowed: 1 Length: 3	The IATA currency code associated with the accessoril charges for the shipment.	
/RateResponse/RatedShipment/ServiceOptionsCharges/MonetaryValue			
MonetaryValue	Required: Yes Type: String Max Allowed: 1 Length: 16	The value for the accessoril charges associated with the shipment.	

TaxCharges

Name	Constraint	Description	Validation
/RateResponse/RatedShipment/TaxCharges			
TaxCharges	Required: Cond Type: Container Max Allowed: UNB Length: N/A	TaxCharges container are returned only when TaxInformationIndicator is present in request and when Negotiated Rates are not applicable. TaxCharges container contains Tax information for a given shipment.	
/RateResponse/RatedShipment/TaxCharges/Type			

Name	Constraint	Description	Validation
Type	Required: Yes* Type: String Max Allowed: 1 Length: 1...9	Tax Type code. The code represents the type of Tax applied to a shipment. Please refer to Appendix I for possible Tax Type codes.	
/RateResponse/RatedShipment/TaxCharges/MonetaryValue			
MonetaryValue	Required: Yes* Type: String Max Allowed: 1 Length: 16	Tax Monetary Value represent the Tax amount.	Valid values are from 0 to 99999999999999.99

TotalCharges

Name	Constraint	Description	Validation
/RateResponse/RatedShipment/TotalCharges			
TotalCharges	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Total Charges Container.	
/RateResponse/RatedShipment/TotalCharges/CurrencyCode			
CurrencyCode	Required: Yes Type: String Max Allowed: 1 Length: 3	The IATA currency code associated with the total charges for the shipment.	
/RateResponse/RatedShipment/TotalCharges/MonetaryValue			
MonetaryValue	Required: Yes Type: String Max Allowed: 1 Length: 16	The value for the total charges associated with the shipment.	

TotalChargesWithTaxes

Name	Constraint	Description	Validation
/RateResponse/RatedShipment/TotalChargesWithTaxes			
TotalChargesWithTaxes	Required: Cond Type: Container Max Allowed: 1 Length: N/A	TotalChargesWithTaxes container would be returned only if TaxInformationIndicator is present in request and when Negotiated Rates are not applicable. TotalChargesWithTaxes contains total charges including total taxes applied to a shipment.	
/RateResponse/RatedShipment/TotalChargesWithTaxes/CurrencyCode			
CurrencyCode	Required: Yes* Type: String Max Allowed: 1 Length: 3	TotalChargesWithTaxes currency code type. The currency code used in the Shipment request is returned.	
/RateResponse/RatedShipment/TotalChargesWithTaxes/MonetaryValue			
MonetaryValue	Required: Yes* Type: String Max Allowed: 1 Length: 16	TotalChargesWithTaxes monetary value amount.	Valid values are from 0 to 99999999999999.99

NegotiatedRateCharges

Name	Constraint	Description	Validation
/RateResponse/RatedShipment/NegotiatedRateCharges			
NegotiatedRateCharges	Required: No Type: Container Max Allowed: 1 Length: N/A	Negotiated Rate Charges Container.	For tiered rates and promotional discounts, if a particular shipment based on zone, origin, destination or even shipment size doesn't qualify for the existing discount then no negotiated rates container will be returned. Published rates will be the applicable rate.
/RateResponse/RatedShipment/NegotiatedRateCharges/ItemizedCharges			
ItemizedCharges	Required: Cond Type: Container Max Allowed: UNB Length: N/A	Itemized Charges are returned only when the subversion element is present and greater than or equal to '1601'.	These charges would be returned only when subversion is greater than or equal to 1601
/RateResponse/RatedShipment/NegotiatedRateCharges/ItemizedCharges/Code			
Code	Required: Yes* Type: String Max Allowed: 1 Length: 3	Identification code for itemized charge.	
/RateResponse/RatedShipment/NegotiatedRateCharges/ItemizedCharges/Description			
Description	Required: No Type: String Max Allowed: 1 Length: 1...50	Description of Itemized Charge that had been charged.	
/RateResponse/RatedShipment/NegotiatedRateCharges/ItemizedCharges/CurrencyCode			
CurrencyCode	Required: Yes* Type: String Max Allowed: 1 Length: 3	The IATA currency code associated with the Itemized Charge costs for the shipment.	
/RateResponse/RatedShipment/NegotiatedRateCharges/ItemizedCharges/MonetaryValue			
MonetaryValue	Required: Yes* Type: String Max Allowed: 1 Length: 16	The value for Itemized Charge costs associated with the shipment.	
/RateResponse/RatedShipment/NegotiatedRateCharges/ItemizedCharges/SubType			
SubType	Required: No Type: String Max Allowed: 1 Length: 1...50	The sub-type of Itemized Charge type.	
/RateResponse/RatedShipment/NegotiatedRateCharges/TaxCharges			
TaxCharges	Required: Cond Type: Container Max Allowed: UNB Length: N/A	TaxCharges container are returned only when TaxInformationIndicator is present in request. TaxCharges container contains Tax information for a given shipment.	
/RateResponse/RatedShipment/NegotiatedRateCharges/TaxCharges/Type			

Name	Constraint	Description	Validation
Type	Required: Yes* Type: String Max Allowed: 1 Length: 1...9	Tax Type code. The code represents the type of Tax applied to a shipment. Please refer to Appendix I for possible Tax Type codes.	
/RateResponse/RatedShipment/NegotiatedRateCharges/TaxCharges/MonetaryValue			
MonetaryValue	Required: Yes* Type: String Max Allowed: 1 Length: 16	Tax Monetary Value represent the Tax amount.	Valid values are from 0 to 99999999999999.99
/RateResponse/RatedShipment/NegotiatedRateCharges/TotalCharge			
TotalCharge	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Total Charges Container.	
/RateResponse/RatedShipment/NegotiatedRateCharges/TotalCharge/CurrencyCode			
CurrencyCode	Required: Yes* Type: String Max Allowed: 1 Length: 3	The IATA currency code associated with the Negotiated Rate total charges for the shipment.	
/RateResponse/RatedShipment/NegotiatedRateCharges/TotalCharge/MonetaryValue			
MonetaryValue	Required: Yes* Type: String Max Allowed: 1 Length: 16	The value for the Negotiated Rate total charges associated with the shipment.	
/RateResponse/RatedShipment/NegotiatedRateCharges/TotalChargesWithTaxes			
TotalChargesWithTaxes	Required: Cond Type: Container Max Allowed: 1 Length: N/A	TotalChargesWithTaxes container would be returned only if TaxInformationIndicator is present in request. TotalChargesWithTaxes contains total charges including total taxes applied to a shipment.	
/RateResponse/RatedShipment/NegotiatedRateCharges/TotalChargesWithTaxes/CurrencyCode			
CurrencyCode	Required: Yes* Type: String Max Allowed: 1 Length: 3	TotalChargesWithTaxes currency code type. The currency code used in the Shipment request is returned.	
/RateResponse/RatedShipment/NegotiatedRateCharges/TotalChargesWithTaxes/MonetaryValue			
MonetaryValue	Required: Yes* Type: String Max Allowed: 1 Length: 16	TotalChargesWithTaxes monetary value amount.	Valid values are from 0 to 99999999999999.99
/RateResponse/RatedShipment/GuaranteedDelivery			
GuaranteedDelivery	Required: No Type: Container Max Allowed: 1 Length: N/A	Guaranteed Delivery Container.	
/RateResponse/RatedShipment/GuaranteedDelivery/BusinessDaysInTransit			
BusinessDaysInTransit	Required: No Type: String Max Allowed: 1 Length: 1...8	The rated shipments guaranteed delivery date. Denotes UPS published guarantee times. (i.e. 3DaySelect = 3)	
/RateResponse/RatedShipment/GuaranteedDelivery/DeliveryByTime			

Name	Constraint	Description	Validation
DeliveryByTime	Required: No Type: String Max Allowed: 1 Length: 1...6	The rated shipments committed delivery time.	

RatedPackage

Name	Constraint	Description	Validation
/RateResponse/RatedShipment/RatedPackage			
RatedPackage	Required: Yes Type: Container Max Allowed: UNB Length: N/A	Rated Package Container.	
/RateResponse/RatedShipment/RatedPackage/TransportationCharges			
TransportationCharges	Required: No Type: Container Max Allowed: 1 Length: N/A	Transportation Charges Container.	
/RateResponse/RatedShipment/RatedPackage/TransportationCharges/CurrencyCode			
CurrencyCode	Required: Yes* Type: String Max Allowed: 1 Length: 1...3	The IATA currency code associated with the transportation costs for the package.	
/RateResponse/RatedShipment/RatedPackage/TransportationCharges/MonetaryValue			
MonetaryValue	Required: Yes* Type: String Max Allowed: 1 Length: 16	The value for the transportation costs associated with the package.	
/RateResponse/RatedShipment/RatedPackage/ServiceOptionsCharges			
ServiceOptionsCharges	Required: No Type: Container Max Allowed: 1 Length: N/A	Service Options Charges Container.	
/RateResponse/RatedShipment/RatedPackage/ServiceOptionsCharges/CurrencyCode			
CurrencyCode	Required: Yes* Type: String Max Allowed: 1 Length: 3	The IATA currency code associated with the accessorial charges for the package.	
/RateResponse/RatedShipment/RatedPackage/ServiceOptionsCharges/MonetaryValue			
MonetaryValue	Required: Yes* Type: String Max Allowed: 1 Length: 16	The value for the accessorial charges associated with the package.	
/RateResponse/RatedShipment/RatedPackage/TotalCharges			
TotalCharges	Required: No Type: Container Max Allowed: 1 Length: N/A	Total Charges Container.	
/RateResponse/RatedShipment/RatedPackage/TotalCharges/CurrencyCode			

Name	Constraint	Description	Validation
CurrencyCode	Required: Yes* Type: String Max Allowed: 1 Length: 3	The IATA currency code associated with the total charges for the package.	
/RateResponse/RatedShipment/RatedPackage/TotalCharges/MonetaryValue			
MonetaryValue	Required: Yes* Type: String Max Allowed: 1 Length: 16	The value for the total charges associated with the package.	
/RateResponse/RatedShipment/RatedPackage/Weight			
Weight	Required: No Type: String Max Allowed: 1 Length: 5	The weight of the package in the rated Package.	
/RateResponse/RatedShipment/RatedPackage/BillingWeight			
BillingWeight	Required: No Type: Container Max Allowed: 1 Length: N/A	Billing Weight Container.	
/RateResponse/RatedShipment/RatedPackage/BillingWeight/UnitOfMeasurement			
UnitOfMeasurement	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	Unit Of Measurement Container.	
/RateResponse/RatedShipment/RatedPackage/BillingWeight/UnitOfMeasurement/Code			
Code	Required: Yes* Type: String Max Allowed: 1 Length: 3	The code associated with the unit of measure for the billable weight of a package.	
/RateResponse/RatedShipment/RatedPackage/BillingWeight/UnitOfMeasurement/Description			
Description	Required: Yes* Type: String Max Allowed: 1 Length: 1...35	The Description for the Unit Of Measurement.	
/RateResponse/RatedShipment/RatedPackage/BillingWeight/Weight			
Weight	Required: Yes* Type: String Max Allowed: 1 Length: 5	The value for the billable weight associated with the package.	
/RateResponse/RatedShipment/RatedPackage/Accessorial			
Accessorial	Required: Cond Type: Container Max Allowed: UNB Length: N/A	The container for Accessorial indicators. This information would be returned only if ItemizedChargesRequested was present during Rate request. This is valid only for UPS Worldwide Express Freight Service.	This is valid only for UPS Worldwide Express Freight Service.
/RateResponse/RatedShipment/RatedPackage/Accessorial/Code			
Code	Required: Yes* Type: String Max Allowed: 1 Length: 3	Code for Accessorial Indicator.	

Name	Constraint	Description	Validation
/RateResponse/RatedShipment/RatedPackage/Accessorial/Description			
Description	Required: No Type: String Max Allowed: 1 Length: 1...50	Description for Accessorial Indicator.	
/RateResponse/RatedShipment/RatedPackage/ItemizedCharges			
ItemizedCharges	Required: Cond Type: Container Max Allowed: UNB Length: N/A	Itemized Charges are returned only when the subversion element is present and greater than or equal to '1607'.	These charges would be returned only when subversion is greater than or equal to 1607.
/RateResponse/RatedShipment/RatedPackage/ItemizedCharges/Code			
Code	Required: Yes* Type: String Max Allowed: 1 Length: 3	Identification code for itemized charge.	
/RateResponse/RatedShipment/RatedPackage/ItemizedCharges/Description			
Description	Required: No Type: String Max Allowed: 1 Length: 1...50	Description of Itemized Charge that had been charged.	
/RateResponse/RatedShipment/RatedPackage/ItemizedCharges/CurrencyCode			
CurrencyCode	Required: Yes* Type: String Max Allowed: 1 Length: 3	The IATA currency code associated with the Itemized Charge costs for the shipment.	
/RateResponse/RatedShipment/RatedPackage/ItemizedCharges/MonetaryValue			
MonetaryValue	Required: Yes* Type: String Max Allowed: 1 Length: 16	The value for Itemized Charge costs associated with the shipment.	
/RateResponse/RatedShipment/RatedPackage/ItemizedCharges/SubType			
SubType	Required: No Type: String Max Allowed: 1 Length: 1...50	The sub-type of Itemized Charge type.	
/RateResponse/RatedShipment/RatedPackage/NegotiatedCharges			
NegotiatedCharges	Required: Cond Type: Container Max Allowed: 1 Length: N/A	Negotiated Rates container.	These charges would be returned only when - 1) subversion is greater than or equal to 1607 2) if negotiated rates were requested for GFP shipments and account number is eligible to receive negotiated rates.
/RateResponse/RatedShipment/RatedPackage/NegotiatedCharges/ItemizedCharges			

Name	Constraint	Description	Validation
ItemizedCharges	Required: Cond Type: Container Max Allowed: UNB Length: N/A	Negotiated Itemized Accessorial and Sur Charges.	These charges would be returned only when subversion is greater than or equal to 1607.
/RateResponse/RatedShipment/RatedPackage/NegotiatedCharges/ItemizedCharges/Code			
Code	Required: Yes* Type: String Max Allowed: 1 Length: 3	Identification code for itemized charge.	
/RateResponse/RatedShipment/RatedPackage/NegotiatedCharges/ItemizedCharges/Description			
Description	Required: No Type: String Max Allowed: 1 Length: 1...50	Description of Itemized Charge that had been charged.	
/RateResponse/RatedShipment/RatedPackage/NegotiatedCharges/ItemizedCharges/CurrencyCode			
CurrencyCode	Required: Yes* Type: String Max Allowed: 1 Length: 3	The IATA currency code associated with the Itemized Charge costs for the shipment.	
/RateResponse/RatedShipment/RatedPackage/NegotiatedCharges/ItemizedCharges/MonetaryValue			
MonetaryValue	Required: Yes* Type: String Max Allowed: 1 Length: 16	The value for Itemized Charge costs associated with the shipment.	
/RateResponse/RatedShipment/RatedPackage/NegotiatedCharges/ItemizedCharges/SubType			
SubType	Required: No Type: String Max Allowed: 1 Length: 1...50	The sub-type of Itemized Charge type.	

TimeInTransit

Name	Constraint	Description	Validation
/RateResponse/RatedShipment/TimeInTransit			
TimeInTransit	Required: Cond Type: Container Max Allowed: 1 Length: N/A	Container for returned Time in Transit information.	Will only be returned if request option was either "ratetimeintransit" or "shoptimeintransit" and DeliveryTimeInformation container was present in request.
/RateResponse/RatedShipment/TimeInTransit/PickupDate			
PickupDate	Required: Yes* Type: String Max Allowed: 1 Length: 8	The date the user requests UPS to pickup the package from the origin. Format: YYYYMMDD. In the event this Pickup date differs from the Pickup date in the Estimated Arrival Container, a warning will be returned.	In the event this Pickup date differs from the Pickup date in the Estimated Arrival Container, a warning will be returned.
/RateResponse/RatedShipment/TimeInTransit/DocumentsOnlyIndicator			

Name	Constraint	Description	Validation
DocumentsOnlyIndicator	Required: Cond Type: String Max Allowed: 1 Length: 0	If the indicator is present then the shipment was processed as Document Only.	
/RateResponse/RatedShipment/TimeInTransit/PackageBillType			
PackageBillType	Required: Cond Type: String Max Allowed: 1 Length: 2	Package bill type for the shipment. Valid values: 02 - Document only 03 - Non-Document 04 - Pallet	
/RateResponse/RatedShipment/TimeInTransit/ServiceSummary			
ServiceSummary	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	Container for all available service information.	
/RateResponse/RatedShipment/TimeInTransit/ServiceSummary/Service			
Service	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	Container for the the UPS service selected for a shipment.	
/RateResponse/RatedShipment/TimeInTransit/ServiceSummary/Service/Description			
Description	Required: No Type: String Max Allowed: 1 Length: 1..35	Optional. Description of service. Example, UPS Next Day Air, UPS Ground etc, as referenced by the Service Code.	
/RateResponse/RatedShipment/TimeInTransit/ServiceSummary/GuaranteedIndicator			
GuaranteedIndicator	Required: Cond Type: String Max Allowed: 1 Length: 0	Empty Tag. Indicates whether the service will be guaranteed or not. Required for International Requests.	
/RateResponse/RatedShipment/TimeInTransit/ServiceSummary/Disclaimer			
Disclaimer	Required: Cond Type: String Max Allowed: 1 Length: unbounded	The Disclaimer is provided based upon the Origin and Destination country or territory Codes provided in the request document. The disclaimer is returned as a conditional statement to the validity of the service being guaranteed. The possible disclaimers that can be returned are available in the Service Guaranteed Disclaimers table.	
/RateResponse/RatedShipment/TimeInTransit/ServiceSummary/EstimatedArrival			
EstimatedArrival	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	Container for the Time-In-Transit arrival information by service	
/RateResponse/RatedShipment/TimeInTransit/ServiceSummary/EstimatedArrival/Arrival			
Arrival	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	Container for the Time-In-Transit arrival information by service. This is the most accurate delivery information available via the Rating API and will reflect changes in delivery schedules due to peak business seasons or holidays.	

Name	Constraint	Description	Validation
/RateResponse/RatedShipment/TimeInTransit/ServiceSummary/EstimatedArrival/Arrival/Date			
Date	Required: Yes* Type: String Max Allowed: 1 Length: 8	Scheduled Local Delivery Date. Format: YYYYMMDD	
/RateResponse/RatedShipment/TimeInTransit/ServiceSummary/EstimatedArrival/Arrival/Time			
Time	Required: Cond Type: String Max Allowed: 1 Length: 4...6	The time UPS will pick up the shipment. This is commit Time. Military Time Format HHMMSS or HHMM	
/RateResponse/RatedShipment/TimeInTransit/ServiceSummary/EstimatedArrival/BusinessDaysInTransit			
BusinessDaysInTransit	Required: Yes* Type: String Max Allowed: 1 Length: 1...5	Number of business days from Origin to Destination Locations.	
/RateResponse/RatedShipment/TimeInTransit/ServiceSummary/EstimatedArrival/Pickup			
Pickup	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	The date and pick up time container.	
/RateResponse/RatedShipment/TimeInTransit/ServiceSummary/EstimatedArrival/Pickup/Date			
Date	Required: Yes* Type: String Max Allowed: 1 Length: 8	The date UPS picks up the package from the origin. Format: YYYYMMDD. In the event the Pickup date differs from the Ship On Date, provided in the request, a warning message will be returned.	
/RateResponse/RatedShipment/TimeInTransit/ServiceSummary/EstimatedArrival/Pickup/Time			
Time	Required: Cond Type: String Max Allowed: 1 Length: 4...6	The time UPS will pick up the shipment. Military Time Format HHMMSS or HHMM	
/RateResponse/RatedShipment/TimeInTransit/ServiceSummary/EstimatedArrival/DayOfWeek			
DayOfWeek	Required: Yes* Type: String Max Allowed: 1 Length: 1...9	Day of week for arrival. Valid values are: MON TUE WED THU FRI SAT	
/RateResponse/RatedShipment/TimeInTransit/ServiceSummary/EstimatedArrival/CustomerCenterCutoff			
CustomerCenterCutoff	Required: Cond Type: String Max Allowed: 1 Length: 1...6	Customer Service call time. Returned for domestic as well as international requests.	
/RateResponse/RatedShipment/TimeInTransit/ServiceSummary/EstimatedArrival/DelayCount			
DelayCount	Required: Cond Type: String Max Allowed: 1 Length: 1...3	Number of days delayed at customs. Returned for International requests.	
/RateResponse/RatedShipment/TimeInTransit/ServiceSummary/EstimatedArrival/HolidayCount			

Name	Constraint	Description	Validation
HolidayCount	Required: Cond Type: String Max Allowed: 1 Length: 1...2	Number of National holidays during transit. Returned for International requests.	
/RateResponse/RatedShipment/TimeInTransit/ServiceSummary/EstimatedArrival/RestDays			
RestDays	Required: Cond Type: String Max Allowed: 1 Length: 1...2	Number of rest days, i.e. non movement. Returned for International requests.	
/RateResponse/RatedShipment/TimeInTransit/ServiceSummary/EstimatedArrival/TotalTransitDays			
TotalTransitDays	Required: Cond Type: String Max Allowed: 1 Length: 1...5	The total number of days in transit from one location to the next. Returned for International requests.	
/RateResponse/RatedShipment/TimeInTransit/ServiceSummary/SaturdayDelivery			
SaturdayDelivery	Required: No Type: String Max Allowed: 1 Length:	Saturday delivery information for a service. Values are 1 - Saturday Delivery Available with additional charges 0 - Saturday Delivery not available or no additional charge, please check Delivery Date to confirm if the Delivery will be Saturday Please see Saturday Delivery business rules section for more information.	
/RateResponse/RatedShipment/TimeInTransit/ServiceSummary/SaturdayDeliveryDisclaimer			
SaturdayDeliveryDisclaimer	Required: No Type: String Max Allowed: 1 Length:	Saturday delivery disclaimer message.	
/RateResponse/RatedShipment/TimeInTransit/AutoDutyCode			
AutoDutyCode	Required: Cond Type: String Max Allowed: 1 Length: 2	Required output for International requests. If Documents indicator is set for Non-document a duty is automatically calculated. The possible values to be returned are: 01 - Dutiable 02 - Non-Dutiable 03 - Low-value 04 - Courier Remission 05 - Gift 06 - Military 07 - Exception 08 - Line Release 09 - Section 321 low value.	
/RateResponse/RatedShipment/TimeInTransit/Disclaimer			
Disclaimer	Required: Cond Type: String Max Allowed: 1 Length: N/A	The Disclaimer is provided based upon the Origin and Destination country or territory Codes provided in the request document. The possible disclaimers that can be returned are available in the Service Guaranteed Disclaimers table.	

Chapter 5: Rating Web Service Examples

Published Rates RateRequest

```
<env:Envelope xmlns:env="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:upss="http://www.ups.com/XMLSchema/XOLTWS/UPSS/v1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:common="http://www.ups.com/XMLSchema/XOLTWS/Common/v1.0">
  <env:Header>
    <upss:UPSSecurity>
      <upss:UsernameToken>
        <upss:Username>Your User Id</upss:Username>
        <upss>Password>Your Password</upss>Password>
      </upss:UsernameToken>
      <upss:ServiceAccessToken>
        <upss:AccessLicenseNumber>Your Access License</upss:AccessLicenseNumber>
      </upss:ServiceAccessToken>
    </upss:UPSSecurity>
  </env:Header>
  <env:Body>
    <rate:RateRequest 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>Your Customer Context</common:CustomerContext>
        </common:TransactionReference>
      </common:Request>
      <rate:Shipment>
        <rate:Shipper>
          <rate:Name>Shipper Name</rate:Name>
          <rate:ShipperNumber>Your Shipper Number</rate:ShipperNumber>
          <rate:Address>
            <rate:AddressLine>Address Line</rate:AddressLine>
            <rate:City>City</rate:City>
            <rate:StateProvinceCode>StateProvinceCode</rate:StateProvinceCode>
            <rate:PostalCode>PostalCode</rate:PostalCode>
            <rate:CountryCode>CountryCode</rate:CountryCode>
          </rate:Address>
        </rate:Shipper>
        <rate:ShipTo>
          <rate:Name>Ship To Name</rate:Name>
          <rate:Address>
            <rate:AddressLine>Address Line</rate:AddressLine>
            <rate:City>City</rate:City>
            <rate:StateProvinceCode>StateProvinceCode</rate:StateProvinceCode>
            <rate:PostalCode>PostalCode</rate:PostalCode>
            <rate:CountryCode>CountryCode</rate:CountryCode>
          </rate:Address>
        </rate:ShipTo>
        <rate:ShipFrom>
          <rate:Address>
```

```
<rate:AddressLine>Address Line</rate:AddressLine>
<rate:City>City</rate:City>
<rate:StateProvinceCode>StateProvinceCode</rate:StateProvinceCode>
<rate:PostalCode>PostalCode</rate:PostalCode>
<rate:CountryCode>CountryCode</rate:CountryCode>
</rate:Address>
</rate:ShipFrom>
<rate:Service>
  <rate:Code>03</rate:Code>
  <rate:Description>Service Code</rate:Description>
</rate:Service>
<rate:Package>
  <rate:PackagingType>
    <rate:Code>02</rate:Code>
    <rate:Description>Rate</rate:Description>
  </rate:PackagingType>
  <rate:Dimensions>
    <rate:UnitOfMeasurement>
      <rate:Code>IN</rate:Code>
      <rate:Description>inches</rate:Description>
    </rate:UnitOfMeasurement>
    <rate:Length>5</rate:Length>
    <rate:Width>4</rate:Width>
    <rate:Height>10</rate:Height>
  </rate:Dimensions>
  <rate:PackageWeight>
    <rate:UnitOfMeasurement>
      <rate:Code>LBS</rate:Code>
      <rate:Description>pounds</rate:Description>
    </rate:UnitOfMeasurement>
    <rate:Weight>1</rate:Weight>
  </rate:PackageWeight>
</rate:Package>
</rate:Shipment>
</rate:RateRequest>
</env:Body>
</env:Envelope>
```

Published Rates RateResponse

```
<?xml version="1.0"?>
<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>110971</common:Code>
          <common:Description>Your invoice may vary from the displayed reference
            rates</common:Description>
        </common:Alert>
        <common:TransactionReference>
          <common:CustomerContext>Your Customer Context</common:CustomerContext>
        </common:TransactionReference>
      </common:Response>
      <rate:RatedShipment>
        <rate:Service>
          <rate:Code>03</rate:Code>
          <rate:Description/>
        </rate:Service>
        <rate:RatedShipmentAlert>
          <rate:Code>110971</rate:Code>
          <rate:Description>Your invoice may vary from the displayed reference
            rates</rate:Description>
        </rate:RatedShipmentAlert>
        <rate:BillingWeight>
          <rate:UnitOfMeasurement>
            <rate:Code>LBS</rate:Code>
            <rate:Description>Pounds</rate:Description>
          </rate:UnitOfMeasurement>
          <rate:Weight>2.0</rate:Weight>
        </rate:BillingWeight>
        <rate:TransportationCharges>
          <rate:CurrencyCode>USD</rate:CurrencyCode>
          <rate:MonetaryValue>9.86</rate:MonetaryValue>
        </rate:TransportationCharges>
        <rate:ServiceOptionsCharges>
          <rate:CurrencyCode>USD</rate:CurrencyCode>
          <rate:MonetaryValue>0.00</rate:MonetaryValue>
        </rate:ServiceOptionsCharges>
        <rate:TotalCharges>
          <rate:CurrencyCode>USD</rate:CurrencyCode>
          <rate:MonetaryValue>9.86</rate:MonetaryValue>
        </rate:TotalCharges>
        <rate:RatedPackage>
          <rate:TransportationCharges>
            <rate:CurrencyCode>USD</rate:CurrencyCode>
            <rate:MonetaryValue>9.86</rate:MonetaryValue>
```

```
        </rate:TransportationCharges>
        <rate:ServiceOptionsCharges>
            <rate:CurrencyCode>USD</rate:CurrencyCode>
            <rate:MonetaryValue>0.00</rate:MonetaryValue>
        </rate:ServiceOptionsCharges>
        <rate:TotalCharges>
            <rate:CurrencyCode>USD</rate:CurrencyCode>
            <rate:MonetaryValue>9.86</rate:MonetaryValue>
        </rate:TotalCharges>
        <rate:Weight>1.0</rate:Weight>
        <rate:BillingWeight>
            <rate:UnitOfMeasurement>
                <rate:Code>LBS</rate:Code>
                <rate:Description>Pounds</rate:Description>
            </rate:UnitOfMeasurement>
            <rate:Weight>2.0</rate:Weight>
        </rate:BillingWeight>
    </rate:RatedPackage>
</rate:RatedShipment>
</rate:RateResponse>
</soapenv:Body>
</soapenv:Envelope>
```

Negotiated Rates RateRequest

```

<env:Envelope xmlns:env="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:upss="http://www.ups.com/XMLSchema/XOLTWS/UPSS/v1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:common="http://www.ups.com/XMLSchema/XOLTWS/Common/v1.0">
  <env:Header>
    <upss:UPSSecurity>
      <upss:UsernameToken>
        <upss:Username>Your User Id</upss:Username>
        <upss:Password>Your Password</upss:Password>
      </upss:UsernameToken>
      <upss:ServiceAccessToken>
        <upss:AccessLicenseNumber>Your Access License</upss:AccessLicenseNumber>
      </upss:ServiceAccessToken>
    </upss:UPSSecurity>
  </env:Header>
  <env:Body>
    <rate:RateRequest 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>Your Customer Context</common:CustomerContext>
        </common:TransactionReference>
      </common:Request>
      <rate:Shipment>
        <rate:Shipper>
          <rate:Name>Shipper Name</rate:Name>
          <rate:ShipperNumber>Shipper Number</rate:ShipperNumber>
          <rate:Address>
            <rate:AddressLine>Address Line </rate:AddressLine>
            <rate:AddressLine>Address Line </rate:AddressLine>
            <rate:AddressLine>Address Line </rate:AddressLine>
            <rate:City>City</rate:City>
            <rate:StateProvinceCode>State Province Code</rate:StateProvinceCode>
            <rate:PostalCode>Postal Code</rate:PostalCode>
            <rate:CountryCode>US</rate:CountryCode>
          </rate:Address>
        </rate:Shipper>
        <rate:ShipTo>
          <rate:Name>Ship To Name</rate:Name>
          <rate:Address>
            <rate:AddressLine>Address Line </rate:AddressLine>
            <rate:AddressLine>Address Line </rate:AddressLine>
            <rate:AddressLine>Address Line </rate:AddressLine>
            <rate:City>City</rate:City>
            <rate:StateProvinceCode>State Province Code</rate:StateProvinceCode>
            <rate:PostalCode>Postal Code</rate:PostalCode>
            <rate:CountryCode>US</rate:CountryCode>
          </rate:Address>
        </rate:ShipTo>
        <rate:ShipFrom>
          <rate:Name>Ship From Name</rate:Name>
          <rate:Address>
            <rate:AddressLine>Address Line </rate:AddressLine>
            <rate:AddressLine>Address Line </rate:AddressLine>
            <rate:AddressLine>Address Line </rate:AddressLine>
            <rate:City>City</rate:City>
            <rate:StateProvinceCode>State Province Code</rate:StateProvinceCode>
            <rate:PostalCode>Postal Code</rate:PostalCode>
            <rate:CountryCode>US</rate:CountryCode>
          </rate:Address>
        </rate:ShipFrom>
      </rate:Shipment>
    </rate:RateRequest>
  </env:Body>
</env:Envelope>

```

```
</rate:ShipFrom>
<rate:Service>
  <rate:Code>03</rate:Code>
  <rate:Description>Service Code Description</rate:Description>
</rate:Service>
<rate:Package>
  <rate:PackagingType>
    <rate:Code>02</rate:Code>
    <rate:Description>Rate</rate:Description>
  </rate:PackagingType>
  <rate:Dimensions>
    <rate:UnitOfMeasurement>
      <rate:Code>IN</rate:Code>
      <rate:Description>inches</rate:Description>
    </rate:UnitOfMeasurement>
    <rate:Length>5</rate:Length>
    <rate:Width>4</rate:Width>
    <rate:Height>3</rate:Height>
  </rate:Dimensions>
  <rate:PackageWeight>
    <rate:UnitOfMeasurement>
      <rate:Code>Lbs</rate:Code>
      <rate:Description>pounds</rate:Description>
    </rate:UnitOfMeasurement>
    <rate:Weight>1</rate:Weight>
  </rate:PackageWeight>
</rate:Package>
<rate:ShipmentRatingOptions>
  <rate:NegotiatedRatesIndicator/>
</rate:ShipmentRatingOptions>
</rate:Shipment>
</rate:RateRequest>
</env:Body>
</env:Envelope>
```

Negotiated Rates RateResponse

```

<?xml version="1.0"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
  <soapenv:Header/>
  <soapenv:Body>
    <rate:RateResponse xmlns:rate="http://www.ups.com/XMLSchema/XOLTW S/Rate/v1.1">
      <common:Response xmlns:common="http://www.ups.com/XMLSchema/XOLTW S/Common/v1.0">
        <common:ResponseStatus>
          <common:Code>1</common:Code>
          <common:Description>Success</common:Description>
        </common:ResponseStatus>
        <common:Alert>
          <common:Code>110971</common:Code>
          <common:Description>Yourinvoicemayvaryfrom....</common:Description>
        </common:Alert>
        <common:TransactionReference>
          <common:CustomerContext>YourCustomerContext</common:CustomerContext>
          <common:TransactionReference>
        </common:TransactionReference>
      </common:Response>
      <rate:RatedShipment>
        <rate:Service>
          <rate:Code>03</rate:Code>
          <rate:Description/>
        </rate:Service>
        <rate:RatedShipmentAlert>
          <rate:Code>110971</rate:Code>
          <rate:Description>Yourinvoicemayvary....</rate:Description>
        </rate:RatedShipmentAlert>
        <rate:BillingWeight>
          <rate:UnitOfMeasurement>
            <rate:Code>LBS</rate:Code>
            <rate:Description>Pounds</rate:Description>
          </rate:UnitOfMeasurement>
          <rate:Weight>1.0</rate:Weight>
        </rate:BillingWeight>
        <rate:TransportationCharges>
          <rate:CurrencyCode>USD</rate:CurrencyCode>
          <rate:MonetaryValue>8.60</rate:MonetaryValue>
        </rate:TransportationCharges>
        <rate:ServiceOptionsCharges>
          <rate:CurrencyCode>USD</rate:CurrencyCode>
          <rate:MonetaryValue>0.00</rate:MonetaryValue>
        </rate:ServiceOptionsCharges>
        <rate:TotalCharges>
          <rate:CurrencyCode>USD</rate:CurrencyCode>
          <rate:MonetaryValue>8.60</rate:MonetaryValue>
        </rate:TotalCharges>
        <rate:NegotiatedRateCharges>
          <rate:TotalCharge>
            <rate:CurrencyCode>USD</rate:CurrencyCode>
            <rate:MonetaryValue>7.92</rate:MonetaryValue>
          </rate:TotalCharge>
        </rate:NegotiatedRateCharges>
        <rate:RatedPackage>
          <rate:TransportationCharges>
            <rate:CurrencyCode>USD</rate:CurrencyCode>
            <rate:MonetaryValue>8.60</rate:MonetaryValue>
          </rate:TransportationCharges>
          <rate:ServiceOptionsCharges>
            <rate:CurrencyCode>USD</rate:CurrencyCode>
            <rate:MonetaryValue>0.00</rate:MonetaryValue>
          </rate:ServiceOptionsCharges>
          <rate:TotalCharges>
            <rate:CurrencyCode>USD</rate:CurrencyCode>

```



```
        <rate:MonetaryValue>8.60</rate:MonetaryValue>
      </rate:TotalCharges>
    <rate:Weight>1.0</rate:Weight>
    <rate:BillingWeight>
      <rate:UnitOfMeasurement>
        <rate:Code>LBS</rate:Code>
        <rate:Description>Pounds</rate:Description>
      </rate:UnitOfMeasurement>
      <rate:Weight>1.0</rate:Weight>
    </rate:BillingWeight>
  </rate:RatedPackage>
</rate:RatedShipment>
</rate:RateResponse>
</soapenv:Body>
</soapenv:Envelope>
```

Chapter 6: Rating Package API FAQs

NOTE: Common FAQs are available in the *Introduction to the UPS Developer Kit* guide located in the Dev Kit.

Category	Question	Answer
3rd Party Billing	Does the Rating Package API support 3rd Party billing requests?	No, it does not support 3rd Party Billing.
Account Number Limitation	How do I associate more than 99 account numbers with the Shipping/Rating APIs?	Contact your UPS Account Representative for assistance.
Accessorials	What accessorials does the Rating API support?	Refer to the XPath section for a listing of supported accessorials.
Choosing a service	Can a customer compare services for a shipment using the Rating API?	<p>Yes. Use the “Shop” value, instead of the “Rate” value, in the RequestOption element of the ../Request container to retrieve the rates for all services for the stated lane pair. The API response will return a rate for each of the available services. This is known as the Shop option.</p> <p>The Rate option is used to request the rate for a specific UPS service. The service must be defined in the request. The API response will return the rate for the defined lane pairs for that UPS service.</p> <p>If a service is not valid for the defined lane pair, an error response will be returned.</p>
Currencies	Does the Rating API return any currency other than USD? If so, what currencies are supported?	Yes. A list of currencies and currency codes are available in the appendix of this guide. The currency returned in the response is based on the shipper’s country or territory of origin.
Customer Classification Code	Are the rates that a customer gets via the Rating Package API the same as the rates they receive at The UPS Store® locations or UPS Customer Centers?	<p>The rate returned is determined by the Customer Classification Code selected in API.</p> <p>Refer to the Rate Types Table and XPath for additional information.</p>
Delivery Area Surcharge	Does the Rating Package API support Delivery Area Surcharge?	Yes. However, it is included within the total transportation charge in the rate response.
Extended Area Surcharge	Is Extended Area Surcharge included within the rating response?	<p>Yes. The Extended Area Surcharge (EAS) is returned with the transportation charges.</p> <p>If EAS is applied to a shipment, a warning will be returned in the XML response stating that an EAS has been added.</p>
Freight LTL/Air Freight	Does Rating Package API support UPS Freight LTL or UPS Air Freight services?	No.
Fuel Surcharge	Does the Rating Package API include fuel surcharge?	Yes, however it is not broken out separately, it is returned with other charges.
Ground Freight Pricing	Does Rating API support Ground Freight Pricing (GFP)?	ONLY the Rating Package Web Service version supports Ground Freight Pricing.

Category	Question	Answer
Hundredweight (CWT)	Does Rating API support UPS Hundredweight® Service contracts?	Yes <ul style="list-style-type: none"> ABR contract rates are based on the tier associated with the UPS account number. The UPS Account number must be included in the rate request. The 'NegotiatedRatesIndicator' must be sent in the rate request." UPS Hundredweight® published rates are no longer available via the Rate API, only contract rates
International Extended Area Surcharge	Does the Rating Package API support international extended area surcharges?	Yes.
International Rates	Does the Rating Package API support international rates?	Yes. Requests are validated if the shipper number is from the origin country or territory.
Maximum Packages Rated	What is the maximum number of packages that can be rated through the Rating Package API?	When using the Rate option, there is a 200-package maximum allowed for each API request. Each package container in the request can contain 1 package. When using the Shop option, there is a 50-package maximum limit allowed for each API request.
Negotiated Rates	Can a customer with a US account number rate a package being shipped from another country or territory?	Yes. However, the response will not return any negotiated or account-based rates. Negotiated and account-based rates require the shipper's country or territory and the shipment country or territory of origin to be the same. If you require negotiated or account-based rates from a country or territory outside the US, consider setting up an account in the non-US country or territory.
Negotiated Rates	How do I get negotiated rates?	Contact your Account Representative.
Negotiated Rates/ABR	Does Rating API support Account Based Rating (ABR)?	Yes.
Negotiated Rates or Account Based Rates (ABR)	Is there a delay in activating a new or modified account in ABR for Rating or Shipping APIs?	The availability of negotiated rates is dependent on the setup of your account. If you have a pricing contract with UPS, please contact your sales representative for proper setup. For additional information, refer to Using Negotiated Rates in CIE .

Category	Question	Answer
Negotiated Rates or Account Based Rates (ABR)	What do negotiated rates include?	<p>Negotiated rates include:</p> <ul style="list-style-type: none"> • Basic incentives • Performance tiered incentives • Adjustments to performance tiered incentives are automatically updated each week in each solution that supports ABR. • Ramp-ups on new contracts • Multiple contracts (example: a shipper is attached to two or more contracts). • Custom rate charts (cell by cell) • by weight • by lane or zone • Letter / Document rates • Minimum billable weight for multi-piece shipments • Per piece or per shipment • Shipment pricing minimums • Rate caps • Import rates for international returns. <p>Note: Import rates are not available for Inbound shipments that were shipped using Freight Collect billing.</p>
Published & Negotiated Rates (ABR) Response	Can the Rating API provide both published and negotiated rates, assuming ABR has been activated, within the same response?	Yes.
Rate versus Shop	What is the difference between a "Rate" request and a "Shop" request?	A "Rate" request returns the rate for a single service for each package, while a "Shop" request returns the rates for all services available between a given origin/destination pair for each package.
Rating for Web applications	Are rates across all UPS Web applications always the same?	<p>Yes. The rates for other Web applications should not differ from the Rating API. The only time rates would be different is if there is a defect within the applications.</p> <p>If a user questions rates returned by the Rating API, he could generate the exact rate request on Calculate Time and Cost on UPS.com, to confirm if rates are accurate.</p> <p>Rates will differ if the user has negotiated rates set up with their account number and is not sending a negotiated rates indicator via the Rating API or does not have negotiated rates approved to be used with the Rating API</p>
Rating Scheduled Time	Does the Rating API return the time of day in its response?	Yes.

Category	Question	Answer
Residential versus Commercial	Does Rating API automatically validate Residential versus Commercial addresses?	<p>UPS only classifies residential and commercial address classification for U.S. and Canada.</p> <p>If the residential indicator is included in the rate request, then the shipment will be classified as residential. Upon processing, if the address is classified by UPS differently than what is provided in the request then a warning will be provided in the response indicating that the classification was changed.</p>
Return Services	Does the Rating API support Return Services?	Yes.
Saturday Delivery	Will the Rating allow a customer to know if Saturday delivery is available if they are shipping on a Thursday?	<p>Since Saturday delivery is an accessorial, the customer must input this information in the Rating API rate request. If it is available then the response will specify that the delivery will be on Saturday.</p> <p>The Rating API does not specify guaranteed delivery times. Time in Transit API guarantees delivery times.</p>
Shipping/ Labeling	Can you ship and/or print labels via the Rating Package API?	No.
Suppression of Service Types	Why does Rating API, Time in Transit API and Calculate Time and Cost on UPS.com provide different results?	<p>The Time in Transit API uses logic in its calculations and will suppress services that are more expensive if they will not deliver the shipment any quicker than those shown in the Rating API.</p> <p>There is a rule that states if ground service is as fast as or faster than an air service, i.e., UPS 2nd Day Air®, then that air service will be suppressed in the Time in Transit API response.</p> <p>While the unlisted service is still a valid shipping option, the customer could save money choosing from the listed services.</p>
Testing and Production environments	Are separate test IDs necessary to access the test versus production environment?	No.
Time in Transit	Does the Rating API support Time in Transit results?	No. Time in Transit information can be obtained from the Time in Transit API.

Appendices

Error Codes (WS)

When the UPS system is unable to respond to a request, be it from a malformed request, an illegal or invalid value, or other issues, the API generates an error response. For examples and additional information on error responses, refer to *Chapter 3: Error Responses*, in the *Introduction to the UPS Developer Kit* guide.

- Successful responses may or may not include warnings.
 - Without warnings - Indicates the request has been processed as anticipated.
 - With warnings - Indicates the request has been processed with potentially unanticipated results. The warning contains information in the response that should be passed to the end user.
- The severity of an error may be transient or hard.
 - Transient error - Indicates an error that is temporary in nature. Such errors may be caused by response timeouts due to high server loads or scheduled maintenance in progress. The request may be issued successfully at a later time.
 - Hard error - Indicates the request has a problem that the system is not able to resolve. These errors are critical and prevent requests from processing.



Do not resubmit requests with Hard Errors until the problems causing the error have been resolved.

Common Error Codes

The following error codes can apply to all Webservice and other APIs.

Code	Severity	Description
10001	Hard	The XML document is not well formed.
10002	Hard	The XML document is well formed but the document is not valid.
10003	Hard	The XML document is either empty or null.
10006	Hard	Although the document is well formed and valid, the element content contains values which do not conform to the rules and constraints contained in this specification.
10013	Hard	The message is too large to be processed by the Application.
20001	Transient	General process failure.
20002	Hard	The specified service name, {0}, and version number, {1}, combination is invalid.
20003	Hard	Please check the server environment for the proper J2EE ws apis.
20006	Hard	Invalid request action.
20007	Hard	Missing Required field, {0}.
20008	Hard	The field, {0}, contains invalid data, {1}.
20012	Hard	The Client Information exceeds its Maximum Limit of {0}.
250000	Hard	No XML declaration in the XML document.
250001	Hard	Invalid Access License for the tool. Please re-license.
250002	Hard	Invalid UserId/Password.
250003	Hard	Invalid Access License number.

Code	Severity	Description
250004	Hard	Incorrect UserId or Password.
250005	Hard	No Access and Authentication Credentials provided.
250006	Hard	The maximum number of user access attempts was exceeded.
250007	Hard	The UserId is currently locked out; please try again in 30 minutes.
250009	Hard	License Number not found in the UPS database.
250019	Hard	Invalid Field value.
250050	Transient	License system not available.

Rating Package Web Service Error Codes

HazMat Error Codes

For Dangerous Goods Acceptance Audit Pre-Check request, Streamline and Audit Pre-Check process is carried out depending upon type of CommodityRegulatedLevelCode requested. Streamline process only applies to CommodityRegulatedLevelCode FR and LQ. It doesn't apply to EQ and LR.

- For CommodityRegulatedLevelCode FR and LQ, if Streamline process passes but Audit Pre-Check fails for Dangerous Goods Acceptance Audit Pre-Check request, some of the following codes could be returned as Warning.
- For CommodityRegulatedLevelCode FR and LQ, if Streamline process fails for Dangerous Goods Acceptance Audit Pre-Check, the same warning codes could be returned as hard error.
- For CommodityRegulatedLevelCode LR and EQ, only Audit Pre-Check applies. Streamline process doesn't apply. Hence, for LR and EQ, it will be always hard error.

Error Code	Severity	Description
110070	Hard	Missing or Invalid Quantity.
110071	Hard	Missing or Invalid CommodityRegulatedLevelCode.
110072	Hard/Warning	Missing or Invalid PackagingTypeQuantity.
110073	Hard	Missing or Invalid TransportCategory.
110074	Hard	Your UPS Account number is not authorized for Dangerous Goods shipments with ADR RegulationSet.
110075	Hard	Your UPS Account number is not authorized for Dangerous Goods shipments with ADR RegulationSet and Fully Regulated RegulatoryQuantityCode.
110076	Hard	Your UPS Account number is not authorized for Dangerous Goods shipments with CFR RegulationSet.
110077	Hard	Your UPS Account number is not authorized for Dangerous Goods shipments with IATA RegulationSet.
110078	Hard	Your UPS Account number is not authorized for Dangerous Goods shipments with TDG RegulationSet.
110079	Hard	Your UPS Account number is not authorized for Dangerous Goods shipments with CAO TransportationMode.
110080	Hard	Missing or Invalid QValue.
110081	Hard	Missing or Invalid PackagelIdentifier.
110082	Hard	Missing or Invalid ChemicalRecordIdentifier.
110083	Hard	Both the PromoAliasCode and the PromoCode are required.
110084	Warning	Promotion Code was not applied since account had better discounts compared to Promotion Code.
110085	Warning	Shipment is not eligible for Promotion Code.
110086	Hard	Missing or Invalid OriginRecordTransactionTimestamp.
111401	Hard	Invalid regulation set. The regulation set for all chemical records in a package must be the same.
111606	Hard	SurePost is not compatible with Excepted Quantities of Dangerous Goods.

Error Code	Severity	Description
111607	Hard	Fully Regulated or Limited Quantities of Dangerous Goods, Excepted Quantities of Dangerous Goods, Lightly Regulated Lithium Batteries, or Dry Ice cannot be combined in the same package.
111608	Hard	Exceeded maximum number of chemicals in package : %package.index%
111609	Hard	Mail Innovations is not compatible with Excepted Quantities of Dangerous Goods or Lightly Regulated Lithium Batteries.
111010	Hard	Dangerous Goods cannot be shipped using Return Services.
111611	Hard	UPS Letters or UPS Envelopes are not compatible with Excepted Quantities of Dangerous Goods or Lightly Regulated Lithium Batteries.
112089	Hard	Missing or Invalid Chemical Record.
112091	Hard	Missing or Invalid Regulation Set.
112092	Hard	Missing or Invalid Class Division Number.
112093	Hard	Missing or Invalid Transportation Mode.
112094	Hard	Missing or Invalid ID number.
112102	Hard	The shipment contains both Dry Ice and IDG packages. The Dry Ice package(s) must use the regulation set associated with the IDG package(s).
112103	Hard	The shipment contains both Dry Ice and IDG packages. The transportation mode must be the same for Dry Ice and IDG packages.
112104	Hard	Invalid regulation set. The regulation set for all IDG records in a package must be the same.
112108	Hard	Shipper is not eligible to ship HazMat.
112112	Hard	Dangerous Goods cannot be shipped using UPS Import Control.
117059	Hard/Warning	EmergencyContact is required when EmergencyPhone is provided.
117060	Hard/Warning	Invalid EmergencyPhone. Emergency Phone Number must be a minimum of 10 characters with at least one numeric.
117061	Hard	RegulationSet must be 49CFR or ADR when TransportationMode is Ground.
117064	Hard	Black Powder (NA0027) cannot exceed 100 lbs per shipment.
117065	Hard	Smokeless Powder (NA3178) cannot exceed 100 lbs per shipment.
117066	Hard/Warning	TechnicalName is required for specified ProperShippingName.
117067	Hard	TechnicalName is not allowed for this shipment.
117068	Hard/Warning	Missing or Invalid ProperShippingName.
117069	Hard/Warning	AdditionalDescription is required for this shipment.
117071	Hard	Net Quantity indicated exceeds the allowed maximum, based on chemical table validation.[]
117072	Hard/Warning	Packing Instruction specified does not match the packing instruction expected, based on chemical table validation.[]
117073	Hard/Warning	Packing Instruction specified does not match the packing instruction expected, based on chemical table validation. The packing instruction should be blank.
117074	Hard/Warning	Package Type must be specified when the package is not Part of All Packed in One.

Error Code	Severity	Description
117075	Hard/Warning	Net Quantity/TI must be specified.
117077	Hard	Missing or Invalid UOM for a given Quantity.
117078	Hard	Net Quantity UOM: XXX is Not Valid For IATA. Valid values are MT, G, KG, KG G, L, µG, ML, TL.[]]
117079	Hard	Missing or Invalid PackagingGroupType for this shipment.
117080	Hard	The Packing Group specified: XXX is invalid based on chemical table validation for this UNID
117082	Hard	Missing or Invalid SubRiskClass.
117083	Hard	Lighter authentication (LAA) number required - Remarks must be entered or package rejected.
117084	Hard	TI Unit of Measure must be selected for Class Division Number 7.
117085	Hard/Warning	Q Value must be N/A when there are no All Packed in One Basic Descriptions.
117086	Hard	UPS does not offer Biological Substances, Category B service from the selected origin country/postal code.
117087	Hard	UPS does not offer service for the provided chemical record from the specified origin country/postal code.
117088	Hard/Warning	A single ChemicalRecord cannot be All Packed in One.
117089	Hard/Warning	Overpack is required for a shipment with three ChemicalRecord where only two ChemicalRecord are All Packed in One.
117090	Hard/Warning	The APIO total net quantity exceeds the lowest permitted maximum net quantity.
117091	Hard	The Net Quantity Weight exceeds the limit for the specified Risk Class, Sub Risk and Packing Group combination. Risk Class 2.2 cannot exceed 75 KG.
117092	Hard	The Net Quantity Weight exceeds the 25KG limit for the given specified ClassDivisionNumber, SubRiskClass and PackagingGroupType combination.
117093	Hard	CAO Quantities of Class 1 Explosives are not allowed to the specified destination country.
117094	Hard	Unable to determine a single chemical record. Acceptance Audit Pre-Check cannot be performed.
117095	Hard	CAO Quantities of Class 1 Explosives are not allowed from the specified origin country.
117096	Hard/Warning	Invalid TunnelRestrictionCode for a given Hazardous material package using ADR RegulationSet.
117097	Hard/Warning	Invalid TransportCategory for a given Hazardous material package using ADR RegulationSet.
117099	Hard	Fully regulated commodities are prohibited to/from Great Britain for the specified service level. Great Britain chunnel passage not allowed for fully regulated commodities.
117101	Hard	UPS does not offer dangerous goods for requested service from selected origin country to selected destination country.
117104	Hard	Unable to retrieve the chemical record for selected (Regulation Set: XXX, UNNumber: XXX and Hazard Class: XXX), validations cannot be performed for this commodity.

Error Code	Severity	Description
117105	Hard	A ShipTo postal code is required to verify if dangerous goods service is available to the selected destination country otherwise the shipment will be rejected.
117110	Hard	Regulation Set is not valid for the destination country.
117111	Hard	UPS does not offer dangerous goods service from the selected Origin country/postal code.
117113	Hard	UPS does not offer dangerous goods service to the selected Destination country/postal code.
117114	Hard/Warning	Missing or Invalid PackagingType.
117115	Hard	A ShipFrom PostalCode is required to verify if dangerous goods service is available from the selected origin country, otherwise the shipment will be rejected.
117118	Hard	UPS does not offer Dry Ice service from the selected origin country/postal code.
117119	Hard	UPS does not offer Dry Ice service to the selected destination country/postal code.
117120	Hard	UPS does not offer Biological Substance, Category B service to the selected destination country/postal code.
117121	Hard	UPS does not offer service for the specified chemical record to the selected destination country/postal code.
117128	Hard	UPS does not offer service for the specified Commodity Regulated Level Code to selected Destination country.[XXX][]
117129	Hard	UPS does not offer service for the specified Commodity Regulated Level Code from the selected Origin country.[XXX][]
117130	Hard	Requested TransportationMode indicates this item is forbidden, based on chemical table validation.
117131	Hard	Regulation Set is not valid for the origin country.
117132	Hard	Excepted Quantities are not allowed from the selected origin country.
117133	Hard	Excepted Quantities are not allowed to the selected destination country.
117135	Hard	The specified origin country does not allow shipments CAO quantities of Dangerous Goods.
117136	Hard	The Transportation Mode for ADR regulation set must be Ground.
117137	Hard	Mail Innovations is not a valid service for shipping all categories of dangerous goods.
117138	Hard	SurePost is not a valid service for shipping all categories of dangerous goods other than lightly regulated lithium batteries.
117139	Hard	The specified destination country does not allow shipments containing CAO quantities of Dangerous Goods.
117141	Hard	As of January 1, 2017, UPS Policy requires that all air shipments containing lithium ion and metal batteries packed alone to be transported as section I.A or I.B fully regulated shipments. In addition, these changes also apply to UPS Ground service to Alaska, Hawaii and Puerto Rico, and UPS Standard service to select locations worldwide. Please refer to UPS.com for guidance to set up a UPS Dangerous Goods service agreement.
117142	Hard	Lightly regulated lithium batteries sent via SurePost cannot be shipped outside of the US48.

10001 - 111295

Error Code	Severity	Description
10001	Hard	The XML document is not well formed
10002	Hard	The XML document is well formed but the document is not valid
10003	Hard	The XML document is either empty or null
10006	Hard	Although the document is well formed and valid, the element content contains values which do not conform to the rules and constraints contained in this specification
10013	Hard	The message is too large to be processed by the Application
20001	Hard	General process failure
20002	Hard	The specified service name, {0}, and version number, {1}, combination is invalid
20003	Hard	Please check the server environment for the proper J2EE ws apis
20004	Hard	Cannot access the high level business components, {0}
20005	Hard	Cannot access the low level business components, {0}
20006	Hard	Invalid request action
20007	Hard	Missing required field, {0}
20008	Hard	The field, {0}, contains invalid data, {1}
20010	Hard	The phone number contains invalid characters
20011	Hard	The Integration Indicator is no longer supported
20012	Hard	The Client Information exceeds its Maximum Limit of {0}
110000	Hard	XML Rating and Service Selection Service Unavailable
110001	Transient	XML Rating and Service Selection Service Unavailable
110002	Hard	No packages in shipment.
110003	Hard	Maximum number of packages exceeded ({0})
110099	Hard	RATING_FAILURE.Rating failure, no more specific reason available.
110208	Hard	Missing/Illegal ShipTo/Address/CountryCode
110308	Hard	Invalid or unsupported origin country code
110500	Hard	RATING_NO_SERVICE_SELECTED. Null service sent into Rater
110527	Hard	Cannot use multiple types of currency in a shipment.
110528	Hard	A shipment can have only one type of UnitOfMeasurement for Dimensions.
110529	Hard	A shipment can have only one type of UnitOfMeasurement for a Weight.
110548	Hard	A shipment cannot have a KGS/IN or LBS/CM as its unit of measurements
110601	Hard	Missing or invalid package weight for package {0}.
110604	Hard	Invalid package declared monetary value for package {0}. Valid length is 0 to 8 numeric and can hold up to 2 decimal places.
110609	Hard	All package dimensions are required and each must be greater than 0 for package {0}.

Error Code	Severity	Description
110610	Hard	Missing or invalid COD monetary value for {0}. Valid length is 0 to 8 numeric and can hold up to 2 decimal places
110626	Hard	Invalid COD Funds Code for {0}.
110646	Hard	Package Level COD is not valid for the shipment origin and/or destination
110647	Hard	Invalid COD currency code. Please use the destination country currency code.
110710	Hard	Invalid package Delivery Confirmation type for package {0}.
110720	Hard	The Account Number for FRS Payment is not FRS Enabled.
110920	Warning	When user indicated Residential indicator is different from AMS Classification.
110921	Hard	UPS account number that was provided as the payment method is missing or invalid.
110950	Hard	Customer Classification Code is required with the requested Pickup Type
110971	Warning	For all successful response it will return message as Your invoice may vary from the displayed reference rates
111000	Hard	Verify that the supplied country code for the ship from and/or ship to is correct and is in uppercase (Cannot locate site).
111000	Hard	Only one type of LargePackage can be set on a package.
111005	Hard	COD and Call Tags cannot be applied to the same package.
111010	Hard	Hazardous materials cannot be shipped using Call Tags.
111015	Hard	Saturday Delivery and Call Tags cannot be applied to the same package.
111020	Hard	Delivery Confirmation and Call Tags cannot be applied to the same package.
111025	Hard	The maximum declared amount was exceeded.
111030	Hard	Packages must weigh more than zero pounds.
111031	Hard	Packages must weigh more than zero kg.
111035	Hard	The maximum per package weight for that service from the selected country is %country.maxPkgWeight% pounds.
111036	Hard	The maximum per package weight for that service from the selected country is %country.maxPkgWeight% kg.
111040	Hard	The Return Services accessories are unavailable with the requested service.
111045	Hard	The Saturday Delivery option is unavailable with the requested service.
111047	Hard	Saturday Delivery may not be combined with this product and container type.
111050	Hard	Package exceeds the maximum size total constraints of %maxLengthGirth% (length + girth where girth is 2 x width plus 2 x height).
111055	Hard	Package exceeds the maximum length constraint of 108 inches.
111056	Hard	This package exceeds the maximum length constraint of 274 cm.
111057	Hard	This measurement system is not valid for the selected country.
111060	Hard	Hazardous materials cannot be shipped in a UPS Letter.
111063	Hard	The requested accessory cannot be combined with the selected service.

Error Code	Severity	Description
111065	Hard	The shipment of Hazardous Materials to the selected location is unavailable.
111070	Hard	The requested accessory is not allowed with this pickup method.
111075	Hard	The International Declared Value accessory is not valid with a domestic service.
111080	Hard	The Domestic Declared Value accessory is not valid with an international service.
111085	Hard	The requested accessory cannot be added to this shipment.
111086	Hard	Only one Authorized Return Service option is allowed.
111087	Hard	The Authorized Return Service option is not allowed for shipments.
111090	Hard	The requested billing zone is invalid for the selected product.
111091	Hard	The selected service is unavailable to an extended area.
111100	Hard	The requested service is invalid from the selected origin.
111105	Hard	The requested accessory key is invalid for the selected site.
111106	Hard	Unsupported country specified.
111107	Hard	An origin postal code must be specified.
111108	Hard	Shipments must have at least 1 package.
111109	Hard	Delivery Area Surcharge Tier is invalid.
111115	Hard	The COD amount must be greater than zero.
111116	Hard	The declared value amount must be greater than zero.
111120	Hard	The COD amount cannot exceed \$1,000 when a cashiers check or money order is requested.
111121	Hard	The COD value entered exceeds the maximum allowed for cash of %COD.CashMax% (%COD.CurrencyCode %).
111125	Hard	The COD amount cannot exceed 50,000 (%COD.CurrencyCode %).
111126	Hard	The COD value entered exceeds the maximum allowed for check of %COD.CheckMax% (%COD.CurrencyCode %).
111128	Hard	The Access Point COD amount cannot exceed %COD.APAmountMax% %COD.APCurrencyDest%.
111129	Hard	The currency of the Access Point COD amount must be the same as the Destination country's currency: %COD.APCurrencyDest%.
111130	Hard	The Saturday Pickup option cannot be combined with the Return Services option.
111135	Hard	The Saturday Pickup option cannot be combined with the Saturday Delivery option.
111140	Hard	The Saturday Pickup option is unavailable with the selected service.
111145	Hard	Only one Delivery Confirmation option is allowed.
111150	Hard	The Delivery Confirmation option is unavailable with the selected service.
111155	Hard	The COD option is unavailable with the selected service.
111160	Hard	The requested accessory option is unavailable with the selected billing option.

Error Code	Severity	Description
111165	Hard	The Verbal Confirmation of Delivery option cannot be combined with the Return Services option.
111170	Hard	The Delivery Confirmation option cannot be combined with the Verbal Confirmation of Delivery option.
111175	Hard	The Verbal Confirmation of Delivery option is unavailable with the selected service.
111190	Hard	Only one Return Services option is allowed.
111194	Hard	The requested billing option is unavailable with the selected packaging.
111195	Hard	The requested billing option is unavailable with the selected service.
111196	Hard	The requested billing option is unavailable with UPS Letters.
111200	Hard	The requested service with Saturday Delivery is unavailable to the selected location.
111205	Hard	The Additional Handling option is unavailable with the selected service.
111206	Hard	The Additional Handling option is unavailable with UPS envelopes.
111208	Hard	UPS Next Day Air Early service is not available to the requested destination. Please select UPS Next Day Air service as an alternative.
111209	Hard	RATING_INVALID_SERVICE_TYPE
111210	Hard	The requested service is unavailable between the selected locations.
111211	Hard	The requested accessory option is unavailable between the selected locations.
111212	Hard	The requested Package Type is unavailable for the selected service between the selected locations.
111213	Hard	The requested billing option is unavailable between the selected locations.
111214	Hard	Cannot ship between the selected locations.
111215	Hard	The requested service is unavailable to residential destinations.
111219	Hard	The requested service is unavailable between the selected locations. Please check your Documents Only, Letter/Envelope, and Saturday Delivery settings as these may affect service availability.
111220	Hard	The Ship Notification option cannot be combined with the Return Services option.
111222	Hard	A shipment using the Return Services Electronic Return Label option must contain only Goods in Free Circulation.
111225	Hard	The Return Services option is unavailable to the selected location.
111230	Hard	Next Day Air Early is unavailable with the selected service.
111235	Hard	No more than %acsGrp.grpLimit% of the following may be combined: %acsGrp.grpMembers%.
111240	Hard	The requested accessory may not be applied to a package more than %accs.limit% time(s).
111245	Hard	The Saturday Pickup option cannot be combined with the Shipper Duty Fees option.
111250	Hard	The Saturday Delivery option cannot be combined with the Shipper Duty Fees option.
111255	Hard	The Shipper Duty Fee option is unavailable with the selected service.

Error Code	Severity	Description
111260	Hard	The Shipper Duty Fee option is unavailable with the selected billing option.
111261	Hard	The requested option is unavailable with the selected service.
111262	Hard	The accessory is not valid with the selected option.
111265	Hard	The requested billing option is unavailable to the selected location.
111266	Hard	The requested currency is not a legal tender in this country.
111275	Hard	Cannot create attribute %attrName%.
111280	Hard	Cannot remove attribute %attrName%.
111285	Hard	The postal code %postal% is invalid for %state% %country%.
111286	Hard	%state% is not a valid state abbreviation for %country%.
111290	Hard	The requested billing option is invalid.
111295	Hard	Package %child.index% failed validation in shipment.

111300 - 111526

Error Code	Severity	Description
111300	Hard	The Shipper Pays Duty - VAT Unpaid option is unavailable with the selected option.
111305	Hard	The Shipper Pays Duty - VAT Unpaid option is unavailable with the selected service.
111310	Hard	The Shipper Pays Duty - VAT Unpaid option is unavailable with the selected billing options
111315	Hard	The Authorized Return Service option is unavailable with the selected accessory.
111320	Hard	The Authorized Return Service option is unavailable with the selected service.
111325	Hard	The Authorized Return Service is unavailable with the selected billing option.
111330	Hard	The Certificate of Origin is unavailable with the selected accessory.
111335	Hard	The Certificate of Origin is unavailable with the selected service.
111340	Hard	The Certificate of Origin is unavailable with the selected billing option.
111343	Hard	The Certificate of Origin is unavailable from the selected origin.
111345	Hard	The Shipper Export Declaration is unavailable with the selected accessory.
111350	Hard	The Shipper Export Declaration is unavailable with the selected service.
111355	Hard	The Shipper Export Declaration is unavailable with the selected billing option.
111360	Hard	UPS Express Plus is unavailable with the selected service.
111363	Hard	The One Time Pickup is unavailable with the selected service.
111365	Hard	The requested service is not available through the selected acquisition type.
111370	Hard	Unsupported acquisition type.
111375	Hard	The requested service is not valid for shipments with more than 1 package.

Error Code	Severity	Description
111380	Hard	The requested Package service may not be consolidated with the selected shipment service.
111385	Hard	The requested Package billing option does not match the selected shipment billing option.
111390	Hard	The requested Package billing tier does not match the selected shipment billing tier.
111395	Hard	Package consignee %pkg.dest.company% does not match the shipment consignee %ship.dest.company%.
111400	Hard	Package consignee street address %pkg.dest.street1% does not match the shipment consignee street address %ship.dest.street1%.
111405	Hard	Package consignee street address %pkg.dest.street2% does not match the shipment consignee street address %ship.dest.street2%.
111410	Hard	Package consignee street address %pkg.dest.street3% does not match the shipment consignee street address %ship.dest.street3%.
111415	Hard	Package consignee city %pkg.dest.city% does not match the shipment consignee city %ship.dest.city%.
111420	Hard	Package consignee state %pkg.dest.state% does not match the shipment consignee state %ship.dest.state%.
111425	Hard	Package consignee postal code does not match the shipment consignee postal code.
111430	Hard	Package consignee country does not match the shipment consignee country.
111431	Hard	All packages in the shipment must have the same UPS shipper number as the shipment.
111435	Hard	All packages in the shipment must have the Saturday Delivery option if 1 package has it.
111440	Hard	All packages in the shipment must have the Saturday Pickup option if 1 package has it.
111445	Hard	UPS does not allow Hazardous Materials in shipments consisting of more than one piece.
111448	Hard	UPS Proactive Response must be present on a Category A shipment.
111450	Hard	Only one type of Return Service option is allowed per package.
111455	Hard	All packages in the shipment must have the Return Services option if 1 package has it.
111456	Hard	All packages in the shipment must have the Residential option if 1 package has it.
111457	Hard	Shipments with the Residential option set must have the Residential option set on all packages.
111460	Hard	Shipments cannot exceed a COD amount of \$5,000 when requesting a cashiers check or money order.
111465	Hard	The selected Package access method does not match the shipment access method.
111500	Hard	The selected service is not valid with the selected packaging.
111501	Hard	The selected packaging is not valid with the requested accessory option.
111510	Hard	Unsupported packaging requested.

Error Code	Severity	Description
111511	Hard	Unsupported accessory requested.
111512	Hard	Unsupported billing option requested.
111513	Hard	Unsupported service requested.
111515	Hard	Weight of %weight.actual% exceeds maximum for rating the requested packaging. Using standard package rates.
111519	Hard	The selected Package rating category does not match the shipment rating category.
111526	Hard	UPS Access Point Economy Service shipments must have a ShipmentIndicationType of 01 or 02 or must be a Return shipment.

111530 – 112129

Error Code	Severity	Description
111530	Warning	User level discount not valid for this User ID.
111531	Warning	No user level discount applied for this shipment.
111532	Warning	User level discount not valid for this shipment.
111533	Warning	User level discount not applied, another promotion has been applied.
111534	Warning	User level discount applied to the shipment.
111535	Hard	Invalid Origin Postal Code and City.
111536	Hard	Invalid Origin Country Code.
111537	Hard	Invalid Origin City.
111538	Hard	Invalid Origin.
111539	Hard	Invalid Destination Postal Code and City.
111540	Hard	Invalid Destination Country Code.
111541	Hard	Invalid Destination City.
111542	Hard	Invalid Destination.
111543	Hard	Missing or Invalid Pickup Date.
111544	Hard	Pickup Date is out of allowable range.
111545	Hard	Invalid Pickup Time.
111546	Hard	Invalid Weight.
111547	Hard	Weight is out of allowable range.
111548	Hard	Invalid Weight Unit of Measure.
111549	Hard	Invalid Shipment Contents Value.
111550	Hard	Invalid Shipment Contents Currency Code.
111551	Hard	Invalid Bill Type.
111552	Hard	Invalid Duty Type.
111553	Hard	Invalid Residential Indicator.

Error Code	Severity	Description
111554	Hard	Requested DropOffAtFacilityIndicator accessorial is valid with Bill type 04 only.
111555	Hard	Requested HoldForPickupIndicator accessorial is valid with Bill type 04 only.
111556	Hard	Unable to determine origin for Time in Transit Information.
111557	Hard	Unable to determine destination for Time in Transit Information.
111558	Hard	Origin/Destination pair is invalid.
111559	Hard	Origin or Destination Country Code invalid.
111560	Hard	An Invalid Postal Code or City.
111561	Hard	Missing or Invalid Package Bill Type.
111562	Hard	No matching Rate and Transit times available.
111563	Hard	Delivery Time Information Container is required for ratetimeintransit or shoptimeintransit request options.
111564	Hard	Package Bill Type 02 is required when indicating a Documents Only Shipment.
111570	Hard	For Import Control movements, Bill Receiver is not a valid payer.
111571	Hard	Bill Receiver is an invalid payer of an international return movement.
111572	Hard	The payer of Duty and Tax charges is invalid for Split Duty VAT shipment.
111573	Hard	GNIFC is not valid for Letters/Envelopes and documents with no commercial value.
111574	Hard	Invalid Bill-To type.
111575	Hard	Missing or Invalid Shipment Charge Type.
111576	Hard	Missing or Invalid Account Number.
111577	Hard	At least one Shipment Charge container must be present in the PaymentDetails container.
111578	Hard	A single payment method is required per shipment charge.
111579	Hard	The payment details must be the same for both Transportation charges and Duty and Tax charges when Bill to Shipper or Bill to Receiver is specified as the payer.
111580	Hard	Missing or Invalid account number for Payment Details.
111581	Hard	Country Code is required for Bill Third Party Shipment Charges.
111582	Hard	Missing/Invalid InvoiceLineTotal Monetary Value
111583	Hard	Missing or Invalid Bill Third Party Address Line.
111584	Hard	Address container is required for Bill Third Party.
111585	Hard	Missing or Invalid shipment payment method.
111586	Hard	Bill to Shipper account number must be the same as Shipper account number.
111587	Hard	The UPS account number specified for Transportation charges is invalid for Split Duty VAT shipment.
111588	Hard	Invalid SplitDutyVATIndicator.
111589	Hard	The payer of Duty and Tax charges is not required for UPS Letter, Documents of No Commercial Value or Qualified Domestic Shipments.

Error Code	Severity	Description
111590	Hard	No more than 3 Address Line are allowed for Bill Third Party address.
111591	Hard	The payment method specified for Transportation charges is invalid for return service.
111592	Hard	The payer of Transportation charges is invalid for Split Duty VAT shipment.
111593	Hard	The payer of Transportation charges and the payer of Duty and Tax charges must not be the same for Split Duty VAT shipment.
111594	Hard	{0}
111595	Hard	The UPS account number provided as the payment method cannot be billed, please try another account.
111596	Hard	Missing/Invalid PostalCode of payment account.
111597	Hard	{0} The local Customer Service Center can be reached at 62-0807-1-877-877 to arrange shipping services.
111598	Warning	Time in Transit information unavailable.
111599	Hard	Pickup container is required for ratetimeintransit or shoptimeintransit request options.
111600	Hard	BillShipper payment method is not valid for this shipment.
111601	Hard	Invalid DimWeight. No decimals are allowed in this field.
111602	Hard	{0} The local Customer Service Center can be reached at 62-0807-1-877-877 to arrange shipping services.
111603	Hard	Payer of Transportation Charges is required.
111604	Hard	Invalid sub-classification for SurePost less than 1LB service
111605	Hard	Payer of Duties and Taxes is not required for a qualified domestic shipment.
111612	Hard	Bill Third Party account or address is not required.
111613	Hard	Consignee billing is only supported in US or Puerto Rico.
111614	Hard	The requested service and lane combination requires a UPS account contract.
111615	Hard	Invalid Origin Postal Code.
111616	Hard	Invalid Destination Postal Code
111618	Hard	Your UPS Account number is not authorized for shipping Proactive Response Substances.
111619	Hard	Your UPS Account number is not authorized for shipping Refrigerated Substances.
111630	Hard	The requested accessorial is valid only for Hold for Pickup at UPS Access Point shipment indication type.
111655	Hard	The requested billing option/payment option is unavailable with the selected shipment indication type for a shipment to a UPS Access Point.
112002	Hard	Missing or Invalid Commodity Freight Class for Package {0}.
112031	Hard	Missing or Invalid FRS payment Type code.
112045	Hard	The payer of transportation's country is not valid for Carbon Neutral shipments.

Error Code	Severity	Description
112051	Hard	Shipment total weight has exceeded the maximum shipment weight limit of 99,999.9 kgs or 99,999.9 pounds.
112052	Hard	Total pieces in the shipment have exceeded the maximum allowed of 99,999 for a shipment.
112053	Hard	The number of pieces was not provided – Number of pieces in a shipment is required to process the shipment.
112054	Hard	Missing elements - Length, width and height are required for the pallet %package.index% to process the shipment.
112055	Hard	Exceeded maximum per pallet weight – The maximum per pallet weight for the selected service from the selected origin is %maxWeightOrig% pounds.
112056	Hard	Exceeded maximum per pallet weight – The maximum per pallet weight for the selected service from the selected origin is %maxWeightOrig% kgs.
112057	Hard	Exceeded maximum per pallet weight – The maximum per pallet weight for the selected service to the selected destination is %maxWeightDest% pounds.
112058	Hard	Exceeded maximum per pallet weight – The maximum per pallet weight for the selected service to the selected destination is %maxWeightDest% kgs.
112059	Hard	Exceeded maximum dimensions for a pallet - The maximum dimensions for a pallet are %length% cm by %width% cm by %height% cm for the selected origin.
112060	Hard	Exceeded maximum dimensions for a pallet - The maximum dimensions for a pallet are %length% in by %width% in by %height% in for the selected origin.
112061	Hard	Exceeded maximum dimensions for a pallet - The maximum dimensions for a pallet are %length% cm by %width% cm by %height% cm for the selected destination.
112062	Hard	Exceeded maximum dimensions for a pallet - The maximum dimensions for a pallet are %length% in by %width% in by %height% in for the selected destination.
112063	Warning	Please contact customer service center for capacity authorization.
112064	Hard	Lift Gate Accessorial for Pick Up and Delivery are not allowed when both Hold For Pick Up and Drop off At UPS Facility is requested.
112065	Hard	Lift Gate for Pick Up accessorial is not allowed with Drop Off At UPS Facility accessorial.
112066	Hard	Lift Gate for Delivery accessorial is not allowed with Hold For Pick Up accessorial.
112067	Hard	More than one type of insurance is not allowed for a shipment - only one type can exist per shipment
112068	Hard	The maximum declared amount was exceeded. Maximum value per pallet: %maxDeclVal% %currencyCode%.
112082	Hard	The maximum Dry Ice for a pallet/shipment is 200 kg or 440 lbs.
112083	Hard	Invalid pallet dimensions, the length must be longer than the width.
112084	Hard	Shipper is not eligible to ship Dry Ice.
112085	Hard	Missing or Invalid Return Type.
112086	Hard	Missing or Invalid Import Type.
112090	Hard	Commercial Invoice Removal is valid only for Import Control shipments.
112091	Hard	Missing or Invalid Regulation Set.

Error Code	Severity	Description
112095	Hard	DryIceWeight container with Dry Ice weight and UOM information is required for Dry Ice.
112096	Hard	Missing or Invalid Dry Ice Weight.
112097	Hard	Missing or Invalid code for Dry Ice Unit of Measurement.
112098	Hard	UnitOfMeasurement container with UOM code is required for Dry Ice.
112099	Hard	Invalid Regulation Set. All packages with Dry Ice accessorials must contain the same Regulation Set.
112100	Hard	Invalid regulation set. The regulation set for non-US/PR origins/destinations should be IATA.
112101	Hard	Invalid weight. The Dry Ice weight is greater than the actual package weight.
112105	Hard	Return and Import Shipment accessorials cannot be requested together in a shipment.
112106	Hard	The Saturday Delivery option cannot be combined with the Return Services option.
112107	Hard	The Saturday Delivery option cannot be combined with the UPS Import Control option.
112109	Hard	Itemized Charges are not valid for this service.
112110	Hard	Account is not authorized for UPS Exchange service.
112111	Hard	Missing or Invalid Shipper Number.
112113	Hard	UPS Account is not authorized for Hold for Pickup at UPS Access Point.
112114	Hard	Alternate Delivery Address information is required for Hold for Pickup at UPS Access Point.
112115	Hard	The maximum declared value for Flexible Parcel Insurance has been exceeded. Maximum value per package: %maxDeclVal% %currencyCode%.
112116	Hard	The requested billing option is unavailable between the selected locations with the selected options.
112117	Hard	Package exceeds the maximum length constraint of %rave.DTR_NAP_maxLength_IN% inches. Length is the longest side of a package.
112118	Hard	Package exceeds the maximum length constraint of %rave.DTR_NAP_maxLength_CM% cm. Length is the longest side of a package.
112119	Hard	The maximum per package weight for the selected option is %country.maxPkgWeight% pounds.
112120	Hard	The maximum per package weight for the selected option is %country.maxPkgWeight% kg.
112121	Hard	Missing or Invalid Alternate Delivery Address Name.
112122	Hard	Missing or Invalid Alternate Delivery Address Address Line 1.
112123	Hard	Missing or Invalid Alternate Delivery Address Address Line 2.
112124	Hard	Missing or Invalid Alternate Delivery Address Address Line 3.
112125	Hard	Missing or Invalid Alternate Delivery Address City.
112126	Hard	Missing or Invalid Alternate Delivery Address State/Province.
112127	Hard	Missing or Invalid Alternate Delivery Address Postal Code.

Error Code	Severity	Description
112128	Hard	Missing or Invalid Alternate Delivery Address Country Code.
112129	Hard	Missing or Invalid Shipment Indication Type.

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Error Code	Severity	Description
112130	Hard	No more than 3 address lines are allowed for Alternate Delivery Address.
112131	Hard	Only 1 Shipment Indication Type allowed in a request.
112132	Hard	Missing or Invalid Monetary value for Access point COD.
112133	Hard	Missing or Invalid Currency code for Access point COD.
112134	Hard	Alternate Delivery Address information is required for UPS Access Point Delivery.
112135	Hard	The customs value entered exceeds the maximum allowed amount of \$2300 USD or \$2500 CAD.
112136	Hard	The Shipment Level Access Point COD option is unavailable with the selected service and/or with the shipments origin/destination.
112137	Hard	The Package Level Access Point COD is not valid for the shipment origin and/or destination.
112138	Warning	UPS Access Point Delivery Rates were applied to a shipment.
112139	Hard	Request contains invalid data e.g. special characters etc. Please correct.
112140	Hard	Your UPS Account number is not authorized for UPS Access Point Economy service when selecting Hold for Pickup at UPS Access Point Shipment Indication Type.
112141	Hard	Your UPS Account number is not authorized for UPS Access Point Economy service when selecting Returns.
112142	Warning	The account used to create this shipment has Direct Delivery Only preference selected.
112153	Warning	Unregistered User
112154	Warning	Full Rates Returned. Customer could not be found for that zip code.
112155	Warning	Destination is a rural point.
113005	Hard	The selected service may not guarantee early AM arrival to the requested location.
113010	Warning	Package(s) within the shipment contain warnings.
113020	Hard	The Origin postal code is invalid for the selected location.
113021	Hard	The Ship To postal code is invalid for the selected location.
113060	Warning	The weight exceeds the limit for the UPS Letter/Envelope rate and will be rated using the weight.
113109	Warning	Packages not dropped off at a UPS Access Point location may incur additional cost and/or transit time.
113138	Warning	Shipper Number is not qualified to receive negotiated rates.
115582	Hard	Invalid Customer Classification Code

Error Code	Severity	Description
118400	Hard	The destination postal code %dest.postal% is not a valid %dest.country% postal code. Verify your postal code, or select %dest.AdjCountry% as your destination country.
118401	Hard	The Pickup From postal code %orig.postal% is not a valid %orig.country% postal code. Verify your postal code, or select %orig.AdjCountry% as your Pickup From country.
118402	Hard	The destination postal code %dest.postal% in %dest.country% can also be %dest.AdjCityName% in %dest.AdjCountry%. If you want to ship to %dest.AdjCityName%, select %dest.AdjCountry% and enter the postal code %dest.AdjPostal%. If you are shipping to a city within %dest.country%, enter the correct city.
118403	Hard	The Pickup From postal code %orig.postal% in %orig.country% can also be %orig.AdjCityName% in %orig.AdjCountry%. If you want to pickup from %orig.AdjCityName%, select %orig.AdjCountry% and enter the postal code %orig.AdjPostal%. If you are picking up from a city within %orig.country%, enter the correct city.
119000	Hard	Oversize 1 indicator has automatically been set on Package %package.index%.
119001	Warning	Additional Handling has automatically been set on Package %package.index%.
119002	Hard	Extended Area surcharge applied.
119003	Warning	The requested service may not guarantee Next Day arrival to the selected location.
119004	Warning	Check the UPS Service Guide for supported Saturday delivery destinations within the selected country.
119005	Warning	The requested service may not guarantee Second Day arrival to the selected location.
119006	Warning	The Second Day Air service may not guarantee Second Day arrival to the selected location.
119007	Hard	Oversize 2 indicators have automatically been set on Package %package.index%.
119008	Hard	Weight is greater than or equal to %localOverSize1MinWeight% lbs. and less than %localOverSize2MinWeight% lbs., Oversize 2 has automatically been set on Package %package.index%.
119009	Hard	Oversize 1 does not apply, and has automatically been removed from Package %package.index%.
119010	Hard	Oversize 2 does not apply, and has automatically been removed from Package %package.index%.
119011	Warning	The maximum declared value amount for the 1-Attempt option is \$1,000.
119012	Warning	The maximum declared value amount for the Print and Mail option is \$1,000.
119013	Warning	The maximum declared value amount for the Print Return Label option is \$1,000.
119014	Warning	The maximum declared value amount for the Electronic Delivery option is \$1,000.
119015	Warning	The maximum declared value amount for the 3-Attempt option is \$50,000.
119016	Hard	Weight is greater than or equal to %localOverSize2MinWeight% lbs., Oversize 3/Large Package has automatically been set on Package %package.index%.
119017	Warning	Large Package indicator has automatically been set on Package %package.index%.

Error Code	Severity	Description
119018	Warning	Large Package does not apply, and has automatically been removed from Package %package.index%.
119020	Warning	Large Package and Additional Handling both cannot exist on a Package
119070	Warning	Large Package Surcharge has been added to Package %package.index%.
119071	Warning	Large Package indicator has been set and Large Package Surcharge has been added to Package %package.index%.
119072	Warning	Additional Handling has been removed. Large Package Surcharge has been added to Package %package.index%.
119076	Hard	All package types must be pallets.
119077	Warning	A dimensional surcharge has been added to pallet {0}.
119078	Hard	The maximum dimensions for a pallet are 200 cm by 160 cm by 120 cm.
119079	Hard	The requested service is not valid with pallets with a weight greater than 1000kg. Please select Dedicated Package Courier Same Day Service.
119083	Hard	Pallet {0} exceeds maximum weight.
119084	Warning	Missing or Invalid Shipper Number. Returned rates are Retail Rates.
120001	Hard	XML Shipping System is unavailable, please try again later.
120902	Warning	Negotiated rates cannot be returned without a valid account number.
126098	Warning	Account authentication is required to be completed to get negotiated rates.
150000	Hard	Tracking service unavailable
190003	Warning	Published rates are unavailable at this time

9110001 +

Error Code	Severity	Description
9110001	Hard	Missing pickup type Code.
9110002	Hard	Missing customer classification code.
9110003	Hard	Missing shipment information.
9110004	Hard	Missing shipper information.
9110005	Hard	Missing shipper number.
9110006	Hard	Missing shipper address information.
9110007	Hard	No more than 3 address line information can be given for shipper address.
9110008	Hard	Missing shipper country code.
9110009	Hard	Missing ship to information.
9110010	Hard	Missing ship to address information.
9110011	Hard	No more than 3 address line information can be given for ship to address.
9110012	Hard	Missing ship to state province code.

Error Code	Severity	Description
9110013	Hard	Missing ship to country code.
9110014	Hard	Missing Ship From address information.
9110015	Hard	No more than 3 address line information can be given for ship from address.
9110016	Hard	Missing ship from state province code.
9110017	Hard	Missing ship from country code.
9110018	Hard	Missing shipment service code.
9110019	Hard	Missing package type code for package {0}.
9110020	Hard	Missing package dimensions unit of measurement information for package {0}.
9110021	Hard	Missing or invalid package dimensions unit of measurement code for package {0}. Valid values: IN or CM.
9110022	Hard	Missing package weight unit of measurement information for package {0}.
9110023	Hard	Missing or invalid package weight unit of measurement code for package {0}. Valid values: KGS or LBS
9110024	Hard	Delivery confirmation option cannot be combined with the cod information under package service options for package {0}.
9110028	Hard	At least one shipment rating option either negotiated or FRS rates or RateChart indicator is required.
9110029	Hard	Missing COD Funds Code Information for {0}.
9110030	Hard	Missing COD Amount Information for {0}.
9110031	Hard	Missing COD currency Code for {0}.
9110032	Hard	Missing package declared currency code for package {0}.
9110033	Hard	Missing package declared monetary value for package {0}.
9110034	Hard	Missing or invalid request option.
9110035	Hard	FRS Indicator is not allowed with Rate request option as Shop
9110036	Hard	Missing FRS Payment Information
9110037	Hard	Missing FRS payment Type.
9110039	Hard	Missing Account Number for FRS Payment Information.
9110040	Hard	Missing Address for FRS Payment Information.
9110041	Hard	Missing Country Code for FRS Payment Information Address.
9110042	Hard	Missing Commodity for package {0}.
9110043	Hard	FreightDensityInfo container is required for Density Based Rating request.
9110044	Hard	Missing NMFC Prime Code for package {0}.
9110045	Hard	Missing Ship To Postal Code.
9110046	Hard	Missing Ship From Postal Code
9110047	Hard	Missing Package Weight container information for package {0}.

Error Code	Severity	Description
9110048	Hard	Missing Packaging Type for package {0}.
9110049	Hard	Missing Service Information.
9110050	Hard	Missing HandlingUnits container for Density Based Rating request.
9110051	Hard	Missing or Invalid Quantity for HandlingUnits {0}.
9110052	Hard	Missing or Invalid Type for HandlingUnits {0}.
9110053	Hard	Missing Dimensions container for HandlingUnits {0}.
9110054	Hard	Missing or Invalid Height for HandlingUnits {0}.
9110055	Hard	Missing or Invalid Length for HandlingUnits {0}.
9110056	Hard	Missing or Invalid Width for HandlingUnits {0}.
9110057	Hard	Missing or Invalid UnitOfMeasurement for Dimensions in HandlingUnits {0}.
9110058	Hard	AdjustedHeight container is required if AdjustedHeightIndicator is requested.
9110059	Hard	Missing or Invalid Value for AdjustedHeight.
9110060	Hard	Missing or Invalid UnitOfMeasurement for AdjustedHeight.
9110061	Hard	Invalid number of handling units.
911062	Hard	Please contact UPS Freight Customer Service for Rates at 800-333-7400.
9110721	Hard	Invalid Shipment Delivery Confirmation Type
9111000	Hard	Invalid RSS Request Document

New Error Codes

Error Code	Severity	Description
111448	Hard	UPS Proactive Response must be present on a Category A shipment.
111618	Hard	Your UPS Account number is not authorized for shipping Proactive Response Substances.
111619	Hard	Your UPS Account number is not authorized for shipping Refrigerated Substances.
117143	Hard	Emergency Response Info Provider must not match the Emergency Phone Number.
117144	Hard	Emergency Phone Number contains an invalid entry.
117145	Hard	The UPS Shipper Account number is invalid to be used as the Emergency Response Info Provider.
117146	Hard	Technical Name must not match the Proper Shipping Name.

Accessorial / Surcharge Codes

Code	Accessorial / Surcharge
100	ADDITIONAL HANDLING
110	COD
120	DELIVERY CONFIRMATION
121	SHIP DELIVERY CONFIRMATION
190	EXTENDED AREA
200	DRY ICE
201	ISC SEEDS
202	ISC PERISHABLES
203	ISC TOBACCO
204	ISC PLANTS
205	ISC ALCOHOLIC BEVERAGES
206	ISC BIOLOGICAL SUBSTANCES
207	ISC SPECIAL EXCEPTIONS
220	HOLD FOR PICKUP
240	ORIGIN CERTIFICATE
250	PRINT RETURN LABEL
258	EXPORT LICENSE VERIFICATION
260	PRINT N MAIL
270	RESIDENTIAL ADDRESS
280	RETURN SERVICE 1ATTEMPT
290	RETURN SERVICE 3ATTEMPT
300	SATURDAY DELIVERY
310	SATURDAY PICKUP
350	ELECTRONIC RETURN LABEL
374	UPS PREPARED SED FORM
375	FUEL SURCHARGE
376	DELIVERY AREA
377	LARGE PACKAGE
378	SHIPPER PAYS DUTY TAX
379	SHIPPER PAYS DUTY TAX UNPAID
400	INSURANCE
401	SHIP ADDITIONAL HANDLING

Code	Accessorial / Surcharge
402	SHIPPER RELEASE
403	CHECK TO SHIPPER
404	UPS PROACTIVE RESPONSE
405	GERMAN PICKUP
406	GERMAN ROAD TAX
407	EXTENDED AREA PICKUP
410	RETURN OF DOCUMENT
430	PEAK SEASON
431	LARGE PACKAGE SEASONAL SURCHARGE
432	ADDITIONAL HANDLING SEASONAL SURCHARGE
440	SHIP LARGE PACKAGE
441	CARBON NEUTRAL
444	IMPORT CONTROL
445	COMMERCIAL INVOICE REMOVAL
446	IMPORT CONTROL ELECTRONIC LABEL
447	IMPORT CONTROL PRINT LABEL
448	IMPORT CONTROL PRINT AND MAIL LABEL
449	IMPORT CONTROL ONE PICK UP ATTEMPT LABEL
450	IMPORT CONTROL THREE PICK UP ATTEMPT LABEL
452	REFRIGERATION
464	EXCHANGE PRINT RETURN LABEL
470	COMMITTED DELIVERY WINDOW
480	SECURITY SURCHARGE
492	CUSTOMER TRANSACTION FEE
500	SHIPMENT COD
510	LIFT GATE FOR PICKUP
511	LIFT GATE FOR DELIVERY
512	DROP OFF AT UPS FACILITY
515	UPS PREMIUM CARE
520	OVERSIZE PALLET
530	FREIGHT DELIVERY SURCHARGE
531	FREIGHT PICKUP SURCHARGE
540	DIRECT TO RETAIL

Code	Accessorial / Surcharge
541	DIRECT DELIVERY ONLY
541	NO ACCESS POINT
542	DELIVER TO ADDRESSEE ONLY
543	DIRECT TO RETAIL COD
544	RETAIL ACCESS POINT
546	ELECTRONIC PACKAGE RELEASE AUTHENTICATION
547	PAY AT STORE

Accessorial & Surcharge Subtypes

Accessorial/Surcharge	SubType
Freight Delivery Area Surcharge	<ul style="list-style-type: none"> Freight Delivery Area Surcharge Freight Delivery Area Surcharge Extended Freight Remote Area Surcharge Freight Remote Area Surcharge Extended
Freight Pickup Area Surcharge	<ul style="list-style-type: none"> Freight Pickup Area Surcharge Freight Pickup Area Surcharge Extended Freight Remote Pickup Area Surcharge Freight Remote Pickup Area Surcharge Extended
Insurance Accessorial	<ul style="list-style-type: none"> BPI DVS EVS TNT EPI
Ship Delivery Confirmation Accessorial	<ul style="list-style-type: none"> Adult Signature Required Signature Required
Package Delivery Confirmation Accessorial	<ul style="list-style-type: none"> Name and Date Required Signature and Date Required Adult Signature Required
Extended Area Surcharge	<ul style="list-style-type: none"> Alaska Hawaii Urban Rural Super Rural Super Urban Congested Suburban Extended Area Destination Base Remote Super Remote

Accessorial/Surcharge	SubType
Delivery Area Surcharge	<ul style="list-style-type: none">• Alaska Extended• Hawaii Extended• Urban• Rural• Rural Extended• Metropolitan• Congested Area• Suburban
Extended Area Pickup Surcharge	<ul style="list-style-type: none">• Alaska• Hawaii• Urban• Rural• Super Rural• Super Urban• Congested• Suburban• Extended Area Origin
Peak Season Surcharge	<ul style="list-style-type: none">• Residentail_Seasonal_Surcharge• Commercial_Seasonal_Surcharge• CWT_ Residentail_Seasonal_Surcharge• CWT_ Commercial_Seasonal_Surcharge

COD Supported Countries or Territories

Rating and Shipping Package COD supported countries or territories

Shipment Level

Country or Territory	1 Cash	9 Check Cashier's Check Money Order
All European Union (EU) countries or territories supported by the API, exceptions noted below. For additional information, refer to Country or Territory Codes in the Appendix.	Yes	Yes
Russia	Yes	No
United Arab Emirates	Yes	No

Package Level

NOTE: No EU countries or territories currently support Package level COD.

Country or Territory	0 Check, Cash Cashier's Check Money Order	8 Cashier's Check Money Order	9 Personal Check
Argentina (AR)			Yes
Brazil (BR)			Yes
Canada (CA)	Yes	Yes	
Chile (CL)			Yes
Mexico (MX)	Yes		
Puerto Rico (PR)	Yes	Yes	
United States (US)	Yes	Yes	

Country or Territory Codes

Rating and Shipping Package API Supported Countries or Territories

UPS country or territory code abbreviations generally follow the recommendations of the International Standards Organization (ISO), which publishes a list of country or territory abbreviations in ISO Standard 3166.

The following table lists the country or territory codes defined by ISO at the time of this publication. The latest information is available from the ISO web site: <http://www.iso.org/>.



NOTE: Not all UPS services are available in every country or territory. Refer to the [UPS Rate and Service Guide](#) at UPS.com for more information on UPS services.

Destination Country or Territory Name	Country or Territory Code	Supported Forward Origin	Supported Return Origin
Afghanistan	AF	X	
Aland Islands	AX	X	
Albania	AL	X	X
Algeria	DZ	X	X
American Samoa	AS		
Andorra	AD		
Angola	AO	X	
Anguilla	AI		
Antarctica	AQ		
Antigua and Barbuda	AG	X	X
Argentina	AR	X	X
Armenia	AM	X	X
Aruba	AW	X	X
Australia	AU	X	X
Austria	AT	X	X
Azerbaijan	AZ	X	X
Azores	A2	X	
Bahamas	BS	X	X
Bahrain	BH	X	X
Bangladesh	BD	X	X
Barbados	BB	X	X
Belarus	BY	X	X
Belgium	BE	X	X
Belize	BZ		
Benin	BJ		

Destination Country or Territory Name	Country or Territory Code	Supported Forward Origin	Supported Return Origin
Bermuda	BM	X	X
Bhutan	BT		
Bolivia (Plurinational State of)	BO	X	X
Bonaire, St. Eustatius, Saba	BQ	X	X
Bosnia and Herzegovina	BA	X	X
Botswana	BW		
Bouvet Island	BV		
Brazil	BR	X	X
British Indian Ocean Territory	IO		
Brunei Darussalam	BN	X	X
Bulgaria	BG	X	X
Burkina Faso	BF		
Burundi	BI	X	X
Cambodia	KH	X	X
Cameroon	CM	X	
Canada	CA	X	X
Canary Islands	IC	X	X
Cabo Verde	CV		
Cayman Islands	KY	X	X
Central African Republic	CF		
Ceuta	XC	X	
Chad	TD		
Chile	CL	X	X
China	CN	X	X
Christmas Island	CX		
Cocos (Keeling) Islands	CC		
Colombia	CO	X	X
Comoros	KM		
Congo	CG		
Congo, The Democratic Republic of	CD	X	
Cook Islands	CK		
Costa Rica	CR	X	X
Cote d' Ivoire (Ivory Coast)	CI	X	

Destination Country or Territory Name	Country or Territory Code	Supported Forward Origin	Supported Return Origin
Croatia	HR	X	X
Cuba	CU		
Curacao	CW	X	X
Cyprus	CY	X	X
Czech Republic	CZ	X	X
Denmark	DK	X	X
Djibouti	DJ	X	X
Dominica	DM		
Dominican Republic	DO	X	X
Ecuador	EC	X	X
Egypt	EG	X	X
El Salvador	SV	X	X
England	EN	X	X
Equatorial Guinea	GQ		
Eritrea	ER		
Estonia	EE	X	X
Ethiopia	ET	X	X
Falken Islands (Malvinas)	FK		
Faroe Islands	FO		
Fiji	FJ	X	X
Finland	FI	X	X
France	FR	X	X
French Guiana	GF		
French Polynesia	PF		
French Southern Territories	TF		
Gabon	GA		
Gambia	GM		
Georgia	GE	X	X
Germany	DE	X	X
Ghana	GH	X	X
Gibraltar	GI	X	X
Greece	GR	X	X
Greenland	GL		

Destination Country or Territory Name	Country or Territory Code	Supported Forward Origin	Supported Return Origin
Grenada	GD		
Guadeloupe	GP		
Guam	GU	X	X
Guatemala	GT	X	X
Guernsey	GG	X	X
Guinea	GN	X	X
Guinea-Bissau	GW		
Guyana	GY		
Haiti	HT		X
Heard Island and McDonald Islands	HM		
Holland	HO	X	
Holy See (See Vatican)			
Honduras	HN	X	X
Hong Kong	HK	X	X
Hungary	HU	X	X
Iceland	IS	X	X
India	IN	X	X
Indonesia	ID	X	X
Iran (Islamic Republic of)	IR		
Iraq	IQ	X	X
Ireland	IE	X	X
Isle of Man	IM		
Israel	IL	X	X
Italy	IT	X	X
Jamaica	JM	X	X
Japan	JP	X	X
Jersey	JE	X	X
Jordan	JO	X	X
Kazakhstan	KZ	X	X
Kenya	KE	X	X
Kiribati	KI		
Korea (Democratic People's Republic of)	KP		

Destination Country or Territory Name	Country or Territory Code	Supported Forward Origin	Supported Return Origin
Korea, South	KR	X	X
Kosovo	KV	X	
Kosrae	KO		
Kuwait	KW	X	X
Kyrgyzstan	KG	X	
Lao People's Democratic Republic (Laos)	LA	X	X
Latvia	LV	X	X
Lebanon	LB	X	X
Lesotho	LS		
Liberia	LR		
Libya	LY	X	X
Liechtenstein	LI	X	X
Lithuania	LT	X	X
Luxembourg	LU	X	X
Macao (Macao)	MO	X	X
Macedonia (FYROM)	MK	X	X
Madagascar	MG	X	X
Madeira	A3	X	
Malawi	MW	X	X
Malaysia	MY	X	X
Maldives	MV		
Mali	ML	X	X
Malta	MT	X	X
Marshall Islands	MH		
Martinique	MQ		
Mauritania	MR	X	X
Mauritius	MU	X	X
Mayotte	YT		
Melilla	XL	X	
Mexico	MX	X	X
Micronesia (Federated States of)	FM		
Moldova (Republic of)	MD	X	

Destination Country or Territory Name	Country or Territory Code	Supported Forward Origin	Supported Return Origin
Monaco	MC	X	X
Mongolia	MN		
Montenegro	ME	X	X
Montserrat	MS		
Morocco	MA	X	X
Mozambique	MZ	X	
Myanmar	MM		
Namibia	NA		
Nauru	NR		
Nepal	NP	X	
Netherlands	NL	X	X
New Caledonia	NC		
New Zealand	NZ	X	X
Nicaragua	NI	X	X
Niger	NE		
Nigeria	NG	X	X
Norfolk Island	NF		
Northern Ireland	NB	X	
Northern Mariana Islands	MP		
Norway	NO	X	X
Oman	OM	X	X
Pakistan	PK	X	X
Palau	PW		
Palestine, State of	PS		
Panama	PA	X	X
Papua New Guinea	PG		
Paraguay	PY	X	X
Peru	PE	X	X
Philippines	PH	X	X
Pitcairn	PN		
Poland	PL	X	X
Ponape	PO		
Portugal	PT	X	X

Destination Country or Territory Name	Country or Territory Code	Supported Forward Origin	Supported Return Origin
Puerto Rico	PR	X	X
Qatar	QA	X	X
Reunion	RE	X	X
Romania	RO	X	X
Russia (Russian Federation)	RU	X	X
Rwanda	RW	X	X
Saint Barthelemy	BL		
Saint Christopher	SW	X	X
Saint Croix (see Virgin Islands)	C3	X	
Saint John	UV	X	
Saint Kitts and Nevis	KN	X	X
Saint Lucia	LC	X	X
Saint Maarten and St. Martin	SX	X	X
Saint Thomas	VL	X	X
Saint Vincent and the Grenadines	VC		
Saipan	SP		
Samoa	WS		
San Marino	SM		
Sao Tome and Principe	ST		
Saudi Arabia	SA	X	X
Scotland	SF	X	
Senegal	SN	X	X
Serbia	RS	X	X
Seychelles	SC		
Sierra Leone	SL		
Singapore	SG	X	X
Slovakia	SK	X	X
Slovenia	SI	X	X
Solomon Islands	SB		
South Africa	ZA	X	X
Spain	ES	X	X
Sri Lanka	LK	X	X
Suriname	SR		

Destination Country or Territory Name	Country or Territory Code	Supported Forward Origin	Supported Return Origin
Swaziland	SZ		
Sweden	SE	X	X
Switzerland	CH	X	X
Tahiti	TA		
Taiwan	TW	X	X
Tajikistan	TJ		
Tanzania (United Republic of)	TZ	X	X
Thailand	TH	X	X
Timor-Leste	TL		
Tinian	TI		
Togo	TG		
Tonga	TO		
Tortola	ZZ		
Trinidad and Tobago	TT	X	X
Truk	TU		
Tunisia	TN	X	X
Turkey	TR	X	X
Turkmenistan	TM		
Turks and Caicos Islands	TC		
Tuvalu	TV		
Uganda	UG	X	
Ukraine	UA	X	X
Union Island	UI		
United Arab Emirates	AE	X	X
United Kingdom	GB	X	X
United States	US		
Uruguay	UY	X	X
Uzbekistan	UZ	X	X
Vanuatu	VU		
Vatican City State	VA	X	X
Venezuela(Bolvarian Republic of)	VE	X	X
Vietnam (Viet Nam)	VN	X	X
Virgin Islands, British	VG		

Destination Country or Territory Name	Country or Territory Code	Supported Forward Origin	Supported Return Origin
Virgin Islands, US	VI	X	X
Wales	WL	X	X
Wallis and Futuna Islands	WF		
Yap	YA		
Yemen	YE		
Zambia	ZM	X	X
Zimbabwe	ZW	X	

Currency Codes

UPS currency code abbreviations generally follow the recommendations of the International Standards Organization (ISO), which publishes a list of currency abbreviations in ISO Standard 4217. The following table lists the currency codes defined by ISO at the time of this publication. The latest information is available from the ISO web site: <http://www.iso.org/>.

Countries or Territories may sometimes change their official currency. UPS does require time after the introduction of a new currency before it can fully support that currency. In addition, UPS may continue to support the older currency for an interim period in order to provide backwards compatibility.

UPS may also require the use of currencies other than the official currency for some countries or territories.

Country or Territory or Region	Currency Name	Currency Code
Afghanistan	Afghani	AFN
Albania	Lek	ALL
Algeria	Algerian Dinar	DZD
American Samoa	US Dollar	USD
Andorra	Euro	EUR
Angola	Kwanza	AOA
Anguilla	East Caribbean Dollar	XCD
Antigua And Barbuda	East Caribbean Dollar	XCD
Argentina	Argentine Peso	ARS
Armenia	Armenian Dram	AMD
Aruba	Aruban Guilder	AWG
Australia	Australian Dollar	AUD
Austria	Euro	EUR
Azerbaijan	Azerbaijani Manat	AZN
Bahamas	Bahamian Dollar	BSD
Bahrain	Bahraini Dinar	BHD
Bangladesh	Taka	BDT
Barbados	Barbados Dollar	BBD
Belarus	Belarussian Ruble	BYR
Belgium	Euro	EUR
Belize	Belize Dollar	BZD
Benin	CFA Franc BCEAO	XOF
Bermuda	Bermudian Dollar	BMD
Bhutan	Indian Rupee	INR
Bhutan	Ngultrum	BTN
Bolivia	Boliviano	BOB
Bolivia	Mvdol	BOV

Country or Territory or Region	Currency Name	Currency Code
Bosnia and Herzegovina	Convertible Marks	BAM
Botswana	Pula	BWP
Bouvet Island	Norwegian Krone	NOK
Brazil	Brazilian Real	BRL
British Indian Ocean Territory	US Dollar	USD
Brunei Darussalam	Brunei Dollar	BND
Bulgaria	Bulgarian Lev	BGN
Burkina Faso	CFA Franc BCEAO	XOF
Burundi	Burundi Franc	BIF
Cambodia	Riel	KHR
Cameroon	US Dollar	USD
Canada	Canadian Dollar	CAD
Cape Verde	Cape Verde Escudo	CVE
Cayman Islands	Cayman Islands Dollar	KYD
Central African Republic	CFA Franc BEAC	XAF
Chad	CFA Franc BEAC	XAF
Chile	Chilean Peso	CLP
Chile	Unidades de formento	CLF
China	Yuan Renminbi	RMB
Christmas Island	Australian Dollar	AUD
Cocos (Keeling) Islands	Australian Dollar	AUD
Colombia	Colombian Peso	COP
Colombia	Unidad de Valor Real	COU
Comoros	Comoro Franc	KMF
Congo	CFA Franc BEAC	XAF
Congo, The Democratic Republic of	Franc Congolais	CDF
Cook Islands	New Zealand Dollar	NZD
Costa Rica	Costa Rican Colon	CRC
Côte Divoire	CFA Franc BCEAO	XOF
Croatia	Croatian Kuna	HRK
Cuba	Cuban Peso	CUP
Cyprus	Euro	EUR
Czech Republic	Czech Koruna	CZK

Country or Territory or Region	Currency Name	Currency Code
Denmark	Danish Krone	DKK
Djibouti	Djibouti Franc	DJF
Dominica	East Caribbean Dollar	XCD
Dominican Republic	Dominican Peso	DOP
Ecuador	US Dollar	USD
Egypt	Egyptian Pound	EGP
El Salvador	El Salvador Colon	SVC
El Salvador	US Dollar	USD
Equatorial Guinea	CFA Franc BEAC	XAF
Eritrea	Nakfa	ERN
Estonia	Euro	EUR
Ethiopia	Ethiopian Birr	ETB
Falkland Islands (Malvinas)	Falkland Islands Pound	FKP
Faroe Islands	Danish Krone	DKK
Fiji	Fiji Dollar	FJD
Finland	Euro	EUR
France	Euro	EUR
French Guiana	Euro	EUR
French Polynesia	CFP Franc	XPF
French Southern Territories	Euro	EUR
Gabon	CFA Franc BEAC	XAF
Gambia	Dalasi	GMD
Georgia	Lari	GEL
Germany	Euro	EUR
Ghana	Cedi	GHS
Gibraltar	Gibraltar Pound	GIP
Greece	Euro	EUR
Greenland	Danish Krone	DKK
Grenada	East Caribbean Dollar	XCD
Guadeloupe	Euro	EUR
Guam	US Dollar	USD
Guatemala	Quetzal	GTQ
Guernsey	Pound Sterling	GBP

Country or Territory or Region	Currency Name	Currency Code
Guinea	Guinea Franc	GNF
Guinea-Bissau	Guinea-Bissau Peso	GWP
Guinea-Bissau	CFA Franc BCEAO	XOF
Guyana	Guyana Dollar	GYD
Haiti	Gourde	HTG
Haiti	US Dollar	USD
Heard Island and McDonald Islands	Australian Dollar	AUD
Holy See (Vatican City State)	Euro	EUR
Honduras	Lempira	HNL
Hong Kong	Hong Kong Dollar	HKD
Hungary	Forint	HUF
Iceland	Iceland Krona	ISK
India	Indian Rupee	INR
Indonesia	Rupiah	IDR
Iran (Islamic Republic of)	Iranian Rial	IRR
Iraq	Iraqi Dinar	IQD
Ireland	Euro	EUR
Israel	New Israeli Sheqel	ILS
Italy	Euro	EUR
Jamaica	Jamaican Dollar	JMD
Japan	Yen	JPY
Jersey	Pound Sterling	GBP
Jordan	Jordanian Dinar	JOD
Kazakhstan	Tenge	KZT
Kenya	Kenyan Shilling	KES
Kiribati	Australian Dollar	AUD
Korea, Democratic Peoples Republic of	North Korean Won	KPW
Korea, Republic of	Won	KRW
Kuwait	Kuwaiti Dinar	KWD
Kyrgyzstan	Som	KGS
Lao Peoples Democratic Republic	Kip	LAK
Latvia	Euro	EUR
Lebanon	Lebanese Pound	LBP

Country or Territory or Region	Currency Name	Currency Code
Lesotho	Rand	ZAR
Lesotho	Loti	LSL
Liberia	Liberian Dollar	LRD
Libyan Arab Jamahiriya	Libyan Dinar	LYD
Liechtenstein	Swiss Franc	CHF
Lithuania	Euro	EUR
Luxembourg	Euro	EUR
Macau (Macao)	Pataca	MOP
Macedonia, The Former Yugoslav Republic of	Denar	MKD
Madagascar	Malagascy Ariary	MGA
Malawi	Kwacha	MWK
Malaysia	Malaysian Ringgit	MYR
Maldives	Rufiyaa	MVR
Mali	CFA Franc BCEAO	XOF
Malta	Euro	EUR
Marshall Islands	US Dollar	USD
Martinique	Euro	EUR
Mauritania	Ouguiya	MRO
Mauritius	Mauritius Rupee	MUR
Mayotte	Euro	EUR
Mexico	Mexican Peso	MXN
Mexico	Mexican Unidad de Inversion (UID)	MXV
Micronesia (Federated States of)	US Dollar	USD
Moldova, Republic of	Moldovan Leu	MDL
Monaco	Euro	EUR
Mongolia	Tugrik	MNT
Montenegro	Euro	EUR
Montserrat	East Caribbean Dollar	XCD
Morocco	Moroccan Dirham	MAD
Mozambique	Metical	MZN
Myanmar	Kyat	MMK
Namibia	Rand	ZAR
Namibia	Namibian Dollar	NAD

Country or Territory or Region	Currency Name	Currency Code
Nauru	Australian Dollar	AUD
Nepal	Nepalese Rupee	NPR
Netherlands	Euro	EUR
Netherlands Antilles	Netherlands Antillian Guilder	ANG
New Caledonia	CFP Franc	XPF
New Zealand	New Zealand Dollar	NZD
Nicaragua	Cordoba Oro	NIO
Niger	CFA Franc BCEAO	XOF
Nigeria	Naira	NGN
Niue	New Zealand Dollar	NZD
Norfolk Island	Australian Dollar	AUD
Northern Mariana Islands	US Dollar	USD
Norway	Norwegian Krone	NOK
Oman	Rial Omani	OMR
Pakistan	Pakistan Rupee	PKR
Palau	US Dollar	USD
Panama	Balboa	PAB
Panama	US Dollar	USD
Papua New Guinea	Kina	PGK
Paraguay	Guarani	PYG
Peru	Nuevo Sol	PEN
Philippines	Philippine Peso	PHP
Pitcairn	New Zealand Dollar	NZD
Poland	Zloty	PLN
Portugal	Euro	EUR
Puerto Rico	US Dollar	USD
Qatar	Qatari Rial	QAR
Réunion	Euro	EUR
Romania	New Leu	RON
Russian Federation	Russian Ruble	RUB
Rwanda	Rwanda Franc	RWF
Saint Helena	Saint Helena Pound	SHP
Saint Kitts and Nevis	East Caribbean Dollar	XCD

Country or Territory or Region	Currency Name	Currency Code
Saint Lucia	East Caribbean Dollar	XCD
Saint Pierre and Miquelon	Euro	EUR
Saint Vincent and The Grenadines	East Caribbean Dollar	XCD
Samoa	Tala	WST
San Marino	Euro	EUR
São Tome and Principe	Dobra	STD
Saudi Arabia	Saudi Riyal	SAR
Senegal	CFA Franc BCEAO	XOF
Serbia	Serbian Dinar	RSD
Seychelles	Seychelles Rupee	SCR
Sierra Leone	Leone	SLL
Singapore	Singapore Dollar	SGD
Slovakia	Euro	EUR
Slovenia	Euro	EUR
Solomon Islands	Solomon Islands Dollar	SBD
Somalia	Somali Shilling	SOS
South Africa	Rand	ZAR
Spain	Euro	EUR
Sri Lanka	Sri Lanka Rupee	LKR
Sudan	Sudanese Dinar	SDD
Suriname	Surinam Dollar	SRD
Svalbard and Jan Mayen	Norwegian Krone	NOK
Swaziland	Lilangeni	SZL
Sweden	Swedish Krona	SEK
Switzerland	Swiss Franc	CHF
Switzerland	WIR Franc	CHW
Switzerland	WIR Euro	CHE
Syrian Arab Republic	Syrian Pound	SYP
Taiwan	New Taiwan Dollar	TWD
Tajikistan	Somoni	TJS
Tanzania, United Republic of	Tanzanian Shilling	TZS
Thailand	Baht	THB
Timor-Leste	US Dollar	USD

Country or Territory or Region	Currency Name	Currency Code
Togo	CFA Franc BCEAO	XOF
Tokelau	New Zealand Dollar	NZD
Tonga	Paanga	TOP
Trinidad And Tobago	Trinidad and Tobago Dollar	TTD
Tunisia	Tunisian Dinar	TND
Turkey	New Turkish Lira	TRY
Turkmenistan	Manat	TMM
Turks And Caicos Islands	US Dollar	USD
Tuvalu	Australian Dollar	AUD
Uganda	Uganda Shilling	UGX
Ukraine	Hryvnia	UAH
United Arab Emirates	UAE Dirham	AED
United Kingdom	Pound Sterling	GBP
United States	US Dollar	USD
United States Minor Outlying Islands	US Dollar	USD
Uruguay	Peso Uruguayo	UYU
Uruguay	Uruguay Peso en Unidades Indexadas	UYI
Uzbekistan	Uzbekistan Sum	UZS
Vanuatu	Vatu	VUV
Venezuela	Bolivar	VEB
Viet Nam	Dong	VND
Virgin Islands (British)	US Dollar	USD
Virgin Islands (US)	US Dollar	USD
Wallis And Futuna	CFP Franc	XPF
Western Sahara	Moroccan Dirham	MAD
Yemen	Yemeni Rial	YER
Zambia	Kwacha	ZMK
Zimbabwe	Zimbabwe Dollar	ZWD

Delivery Confirmation Origin-Destination Pairs

The Origin-Destination table defines valid origin and destination combinations for the delivery confirmation accessorials. These accessorials may be applied at the package-level (P) or at the shipment-level (S). They are valid for forward shipments only.

Delivery confirmation types are as follows:

- Delivery confirmation (DC)
- Delivery confirmation with signature required (DC-SR)
- Delivery confirmation with adult signature required (DC-ASR)

Origin	Destination	DC	DC-SR	DC-ASR
US50	US50, PR	P	P	P
	CA, VI	--	S	S
	Intl other than CA, PR, VI		S	S
Canada (CA)	US50, PR, VI		S	S
	CA	P	P	P
	Intl other than US50, PR, VI		S	S
Puerto Rico (PR)	US50, PR	P	P	P
	CA, VI		S	S
	Intl other than US50, CA, VI		S	S
International-supported origin countries or territories (not US50, PR, CA, VI) *	International (national, trans border, worldwide)		S	S

*Refer to Country or Territory Codes in the Appendix.

Disclaimer Codes and Messages

Disclaimer Codes	Disclaimer Message
01	Taxes are included in the shipping cost and apply to the transportation charges but additional duties/taxes may apply and are not reflected in the total amount due.
02	Additional duties/taxes may apply and are not reflected in the total amount due.
03	Additional duties/taxes may apply and are not reflected in the total amount due.
04	Taxes were unable to be determined and may apply to the shipment.
05	Rate excludes VAT. Rate includes a fuel Surcharge, but excludes taxes, duties and other charges that may apply to the shipment.

HazMat Accessorial Code and SubType

UPS Worldwide Express Freight Service

Accessorial Code

Accessorial	Code
HazMat Accessorial	199

SubType

Accessorial	SubType
Freight IDG Class 9 Air Lithium C	FLA
Freight IDG Class 9 Air Lithium	FLI
Freight IDG Class 9 Cargo Quantity	FZA
Freight IDG Class 9 Air	FZI
Freight IDG Class 1-8 Air Cargo Quantity	FNA
Freight IDG Class 1-8 Air	FNI

Accessorial Charge Descriptor

Accessorial Charge Descriptor	Description
HazMat Standard Charge	STANDARD_CHARGE
HazMat Minimum Charge	MINIMUM_CHARGE

Service Codes

UPS offers a wide variety of package delivery services. The following tables list the service code values for these services; they are ordered by the origin of the shipment.

For additional information on UPS services, refer to the latest [UPS Rate and Service Guide](http://www.ups.com) available at: <http://www.ups.com>.

- [United States](#)
- [Canada](#)
- [European Union](#)
- [Mexico](#)
- [Poland](#)
- [Puerto Rico](#)
- [Undefined](#) Countries or Territories
- [All](#) Countries or Territories

United States

Shipments originating in United States

Description	Shipping	Rating
UPS Standard	11	11
UPS Worldwide Express	07	07
UPS Worldwide Expedited	08	08
UPS Worldwide Express Plus	54	54
UPS Worldwide Saver	65	65

United States domestic shipments

Description	Shipping	Rating
UPS 2nd Day Air	02	02
UPS 2nd Day Air A.M.	59	59
UPS 3 Day Select	12	12
UPS Ground	03	03
UPS Next Day Air	01	01
UPS Next Day Air Early	14	14
UPS Next Day Air Saver	13	13

Canada

Description	Category	Shipping	Rating
UPS Expedited	Canadian domestic shipments	02	02
UPS Express Saver	Canadian domestic shipments	13	13
UPS 3 Day Select	Shipments originating in Canada to CA and US 48	12	12
UPS Access Point Economy	Canadian domestic shipments	70	70
UPS Express	Canadian domestic shipments	01	01
UPS Express Early	Canadian domestic shipments	14	14
UPS Express Saver	International shipments originating in Canada	65	65
UPS Standard	Shipments originating in Canada (Domestic and Int'l)	11	11
UPS Worldwide Expedited	International shipments originating in Canada	08	08
UPS Worldwide Express	International shipments originating in Canada	07	07
UPS Worldwide Express Plus	International shipments originating in Canada	54	54
UPS Express Early	Shipments originating in Canada to CA and US 48	54	54

European Union

Description	Category	Shipping	Rating
UPS Access Point Economy	Shipments within the European Union	70	70
UPS Expedited	Shipments originating in the European Union	08	08
UPS Express	Shipments originating in the European Union	07	07
UPS Standard	Shipments originating in the European Union	11	11
UPS Worldwide Express Plus	Shipments originating in the European Union	54	54
UPS Worldwide Saver	Shipments originating in the European Union	65	65

Mexico

Description	Category	Shipping	Rating
UPS Access Point Economy	Mexican domestic shipments	70	70
UPS Expedited	Shipments originating in Mexico	08	08
UPS Express	Shipments originating in Mexico	07	07
UPS Standard	Shipments originating in Mexico	11	11
UPS Worldwide Express Plus	Shipments originating in Mexico	54	54
UPS Worldwide Saver	Shipments originating in Mexico	65	65

Poland

Description	Category	Shipping	Rating
UPS Access Point Economy	Polish domestic shipments	70	70
UPS Today Dedicated Courier	Polish domestic shipments	83	83
UPS Today Express	Polish domestic shipments	85	85
UPS Today Express Saver	Polish domestic shipments	86	86
UPS Today Standard	Polish domestic shipments	82	82
UPS Expedited	Shipments originating in Poland	08	08
UPS Express	Shipments originating in Poland	07	07
UPS Express Plus	Shipments originating in Poland	54	54
UPS Express Saver	Shipments originating in Poland	65	65
UPS Standard	Shipments originating in Poland	11	11

Puerto Rico

Shipments originating in Puerto Rico

Description	Shipping	Rating
UPS 2nd Day Air	02	02
UPS Ground	03	03
UPS Next Day Air	01	01
UPS Next Day Air Early	14	14
UPS Worldwide Expedited	08	08
UPS Worldwide Express	07	07
UPS Worldwide Express Plus	54	54
UPS Worldwide Saver	65	65

Germany

Description	Category	Shipping	Rating
UPS Express 12:00	German domestic shipments	74	74

Unefined Countries or Territories

Use for all countries or territories other than United States, Canada, European Union, Mexico, Poland, and Puerto Rico

Description	Shipping	Rating
UPS Express	07	07
UPS Standard	11	11

Description	Shipping	Rating
UPS Worldwide Expedited	08	08
UPS Worldwide Express Plus	54	54
UPS Worldwide Saver	65	65

All Countries or Territories

Shipments originating in all countries or territories

Description	Shipping	Rating
UPS Worldwide Express Freight	96	96
UPS Worldwide Express Freight Midday	71	71

Tax Type Values / Abbreviations

• ALV	• GST	• MOMS	• PVN
• BTW	• HST	• MVA	• QST
• DDS	• IVA	• MWST	• TVA
• DDV	• IVA1	• PDV	• VAT
• DPH	• IVA2	• PST	• VSK
• FPA	• IVA3	• PVM	

SubVersion Details

Request Element	Valid Values
/RateRequest/Request/SubVersion	1601, 1607, 1701, 1707, 1801

Rate Requests

UPS acknowledges HazMat aka Dangerous Goods functionality/elements in Rate API request only if SubVersion value is greater than or equal to 1701 is present.

/RateRequest/Request/SubVersion	New Request elements acknowledged in RateRequest
Greater than or equal to 1701	/Shipment/OriginRecordTransactionTimestamp /Shipment/Package/PackageServiceptins/HazMat /Shipment/Package/PackageServiceptins/HazMat/PackageIdentifier /Shipment/Package/PackageServiceptins/HazMat/QValue /Shipment/Package/PackageServiceptins/HazMat/verPackedIndicatr /Shipment/Package/PackageServiceptins/HazMat/AllPackedInneIndicatr /Shipment/Package/PackageServiceptins/HazMat/HazMatChemicalRecrd /Shipment/Package/PackageServiceptins/HazMat/HazMatChemicalRecrd/ChemicalRecrdIdentifier /Shipment/Package/PackageServiceptins/HazMat/HazMatChemicalRecrd/ClassDivisionNumber /Shipment/Package/PackageServiceptins/HazMat/HazMatChemicalRecrd/IDNumber /Shipment/Package/PackageServiceptins/HazMat/HazMatChemicalRecrd/TransportationMode+G13 /Shipment/Package/PackageServiceptins/HazMat/HazMatChemicalRecrd/RegulationSet /Shipment/Package/PackageServiceptins/HazMat/HazMatChemicalRecrd/EmergencyPhone /Shipment/Package/PackageServiceptins/HazMat/HazMatChemicalRecrd/EmergencyContact /Shipment/Package/PackageServiceptins/HazMat/HazMatChemicalRecrd/ReportableQuantity /Shipment/Package/PackageServiceptins/HazMat/HazMatChemicalRecrd/SubRiskClass /Shipment/Package/PackageServiceptins/HazMat/HazMatChemicalRecrd/PackagingGroupType /Shipment/Package/PackageServiceptins/HazMat/HazMatChemicalRecrd/Quantity /Shipment/Package/PackageServiceptins/HazMat/HazMatChemicalRecrd/UM /Shipment/Package/PackageServiceptins/HazMat/HazMatChemicalRecrd/PackagingInstructionCode /Shipment/Package/PackageServiceptins/HazMat/HazMatChemicalRecrd/ProperShippingName /Shipment/Package/PackageServiceptins/HazMat/HazMatChemicalRecrd/TechnicalName /Shipment/Package/PackageServiceptins/HazMat/HazMatChemicalRecrd/AdditionalDescription /Shipment/Package/PackageServiceptins/HazMat/HazMatChemicalRecrd/PackagingType /Shipment/Package/PackageServiceptins/HazMat/HazMatChemicalRecrd/HazardLabelRequired /Shipment/Package/PackageServiceptins/HazMat/HazMatChemicalRecrd/PackagingTypeQuantity

Rate Responses

/RateRequest/Request/SubVersion	New Request elements acknowledged in RateResponse
Greater than or equal to 1601	/RatedShipment/ItemizedCharges /RatedShipment/ItemizedCharges/Code /RatedShipment/ItemizedCharges/Description /RatedShipment/ItemizedCharges/CurrencyCode /RatedShipment/ItemizedCharges/MonetaryValue /RatedShipment/ItemizedCharges/SubType /RatedShipment/NegotiatedRateCharges/ItemizedCharges /RatedShipment/NegotiatedRateCharges/ItemizedCharges/Code /RatedShipment/NegotiatedRateCharges/ItemizedCharges/Description /RatedShipment/NegotiatedRateCharges/ItemizedCharges/CurrencyCode /RatedShipment/NegotiatedRateCharges/ItemizedCharges/MonetaryValue /RatedShipment/NegotiatedRateCharges/ItemizedCharges/SubType
Greater than or equal to 1607	/RatedShipment/RatedPackage/ItemizedCharges /RatedShipment/RatedPackage/ItemizedCharges/Code /RatedShipment/RatedPackage/ItemizedCharges/Description /RatedShipment/RatedPackage/ItemizedCharges/CurrencyCode /RatedShipment/RatedPackage/ItemizedCharges/MonetaryValue /RatedShipment/RatedPackage/ItemizedCharges/SubType /RatedShipment/RatedPackage/NegotiatedCharges /RatedShipment/RatedPackage/NegotiatedCharges/ItemizedCharges /RatedShipment/RatedPackage/NegotiatedCharges/ItemizedCharges/Code /RatedShipment/RatedPackage/NegotiatedCharges/ItemizedCharges/Description /RatedShipment/RatedPackage/NegotiatedCharges/ItemizedCharges/CurrencyCode /RatedShipment/RatedPackage/NegotiatedCharges/ItemizedCharges/MonetaryValue /RatedShipment/RatedPackage/NegotiatedCharges/ItemizedCharges/SubType
1701 and greater	/RatedShipment/BaseServiceCharge /RatedShipment/BaseServiceCharge/CurrencyCode /RatedShipment/BaseServiceCharge/MonetaryValue /RatedShipment/RatedPackage/BaseServiceCharge /RatedShipment/RatedPackage/BaseServiceCharge/CurrencyCode /RatedShipment/RatedPackage/BaseServiceCharge/MonetaryValue
1707 and greater	/RatedShipment/RatedPackage/Accessorial /RatedShipment/RatedPackage/Accessorial/Code
1801 and greater	/Fault/detail/Errors/ElementLevelInformation /Fault/detail/Errors/ElementLevelInformation/Level /Fault/detail/Errors/ElementLevelInformation/ElementIdentifier /Fault/detail/Errors/ElementLevelInformation/ElementIdentifier/Code /Fault/detail/Errors/ElementLevelInformation/ElementIdentifier/Value