Rate Web Service Schema

Rate Web Service

Overview

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

Input: RateRequest

Note: The "Required" Column has four potential values:

Yes: *Always* required
No: *Always* otional
Cond: Conditional
Yes*: *Conditionally* required

© 2010 United Parcel Service of America, Inc. All Rights Reserved. Confidential and Proprietary

Output: RateResponse

Note: The “Required” Column has four potential values:

Yes: *Always* required
No: *Always* otional
Cond: Conditional
Yes*: *Conditionally* required

© 2010 United Parcel Service of America, Inc. All Rights Reserved. Confidential and Proprietary

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
RateRequest	/RateRequest	Yes	One	Container	N/A	Request Container	N/A
Request	/RateRequest/Request	Yes	One	Container	N/A	Request Container	N/A
RequestOption	/RateRequest/Request/RequestOption	No	Many	String	1...15	The server switches between rating and shopping using the RequestOption tag.	If the request does not provide an option, the server defaults to rate behavior. Rate = The server rates and validates the shipment. This is the default behavior if an option is not provided. Shop = The server validates the shipment, and return rates for all UPS products from the ShipFrom to the ShipTo addresses. Note: The Valid request option for FRS rating request is Rate.
TransactionReference	/RateRequest/Request/TransactionReference	No	One	Container	N/A	TransactionReference identifies transactions between client and server.	N/A
CustomerContext	/RateRequest/Request/TransactionReference/CustomerContext	No	One	String	1...512	The client uses CustomerContext to synchronize request/response pairs. The client establishes CustomerContext, which can contain any information you want, as along as it is valid XML; it is echoed back by the server.	N/A
PickupType	/RateRequest/PickupType	No	One	Container	N/A	Pickup Type container tag	N/A
Code	/RateRequest/PickupType/Code	Yes*	One	String	2	Pickup Type Code.	Default value is 01. Valid values are: 01 - Daily Pickup; 03 - Customer Counte; 06 - One Time Pickup; 07 - On Call Air; 11 - Suggested Retail Rates; 19 - Letter Center; 20 - Air Service Center.

© 2010 United Parcel Service of America, Inc. All Rights Reserved. Confidential and Proprietary

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
Description	/RateRequest/PickupType/Description	No	One	String	1...35	Pickup Type Description.	Ignored if provided in the Request.
CustomerClassification	/RateRequest/CustomerClassification	No	One	Container	N/A	Customer classification container. Valid if ShipFrom country is US	N/A
Code	/RateRequest/CustomerClassification/Code	Yes*	One	String	2	Customer classification code.	Valid values are:01 - Wholesale; 03 - Occasiona; l04 - Retail. The default value is 01 (wholesale) when the Pickup Type code is 01 (daily pickup). The default value is 03 (occasional) when the Pickup Type code is: 06 - One Time Pickup; 07 - On Call Air; 19 - Letter Center; 20 - Air Service Center. The default value is 04 (Retail) when the Pickup Type code is: 03 - Customer Counter
Description	/RateRequest/CustomerClassification/Description	No	One	String	1...35	Customer classification description.	Ignored if provided in the Request.
Shipment	/RateRequest/Shipment	Yes	One	Container	N/A	Container for Shipment Information.	N/A
Shipper	/RateRequest/Shipment/Shipper	Yes	One	Container	N/A	Shipper Information.	N/A
Name	/RateRequest/Shipment/Shipper/Name	No	One	String	1...35	The shipper's name or shipper's company name.	N/A
ShipperNumber	/RateRequest/Shipment/Shipper/ShipperNumber	Cond	One	String	6	The shipper's UPS account number.	Value must match a commissioned shipper number stored in the properties file. A shipper number is required when requestingto receive the negotiated rates. The shipper number is optional when requesting to receive the published rates.

© 2010 United Parcel Service of America, Inc. All Rights Reserved. Confidential and Proprietary

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
Address	/RateRequest/Shipment/Shipper/Address	Yes	One	Container	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.
AddressLine	/RateRequest/Shipment/Shipper/Address/AddressLine	No	3	String	1...35	The shipper's street address, including name and number (when applicable).	Maximum Occurrence should be three.
City	/RateRequest/Shipment/Shipper/Address/City	Cond	One	String	1...30	The shipper's City	Required if country does not utilize postal codes
StateProvinceCode	/RateRequest/Shipment/Shipper/Address/StateProvinceCode	No	One	String	2	The shipper's state code.	
PostalCode	/RateRequest/Shipment/Shipper/Address/PostalCode	Cond	One	String	1...9	The shipper's postal code.	Required if country utilizes postal codes(i.e. US and PR)
CountryCode	/RateRequest/Shipment/Shipper/Address/CountryCode	Yes	One	String	2	Country code	
ShipTo	/RateRequest/Shipment/ShipTo	Yes	One	Container	N/A	Ship To Container	N/A
Name	/RateRequest/Shipment/ShipTo/Name	No	One	String	1...35	The receivers name or receiver's company name.	N/A
Address	/RateRequest/Shipment/ShipTo/Address	Yes	One	Container	N/A	Address Container.	N/A
AddressLine	/RateRequest/Shipment/ShipTo/Address/AddressLine	No	3	String	1...35	The receiver's street address including name and number (when applicable).	Max Occurrence can be 3
City	/RateRequest/Shipment/ShipTo/Address/City	Cond	One	String	1...30	The receiver's city.	Required if country does not utilize postal codes.
StateProvinceCode	/RateRequest/Shipment/ShipTo/Address/StateProvinceCode	Cond	One	String	2	The receivers state code.	
PostalCode	/RateRequest/Shipment/ShipTo/Address/PostalCode	Cond	One	String	1...9	The receiver's postal code.	Required if country utilizes postal codes(i.e. US and PR)

© 2010 United Parcel Service of America, Inc. All Rights Reserved. Confidential and Proprietary

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
CountryCode	/RateRequest/Shipment/ShipTo/Address/CountryCode	Yes	One	String	2	The IATA OR UPS BILLING code representing the receiver's country.	Required, but defaults to US.
ResidentialAddressIndicator	/RateRequest/Shipment/ShipTo/Address/ResidentialAddressIndicator	No	One	String	0	This field is a flag to indicate if the receiver is a residential location. True if ResidentialAddressIndicator tag exists; false otherwise	Empty Tag.
ShipFrom	/RateRequest/Shipment/ShipFrom	No	One	Container	N/A	Ship From Container	N/A
Name	/RateRequest/Shipment/ShipFrom/Name	No	One	String	1...35	The ship from locations name or company name.	N/A
Address	/RateRequest/Shipment/ShipFrom/Address	Yes	One	Container	N/A	Address Container.	The shipment will be rated from this origin address to the destination ship to address.
AddressLine	/RateRequest/Shipment/ShipFrom/Address/AddressLine	No	3	String	1...35	The Ship from street address including name and number (when applicable).	Max Occurrence can be 3
City	/RateRequest/Shipment/ShipFrom/Address/City	Cond	One	String	1...30	The Ship from city.	Required is country does not utilize postal codes.
StateProvinceCode	/RateRequest/Shipment/ShipFrom/Address/StateProvinceCode	Cond	One	String	2	The Ship from locations state code.	A State/Province code is required when requesting to receive the negotiated rates. State/Province code is optional when requesting to receive the published rates.
PostalCode	/RateRequest/Shipment/ShipFrom/Address/PostalCode	Cond	One	String	1...9	The ship from locations postal code.	Required if country utilizes postal codes(i.e. US and PR)
CountryCode	/RateRequest/Shipment/ShipFrom/Address/CountryCode	Yes	One	String	2	Country code	Required, but default to US.
FRSPaymentInformation	/RateRequest/Shipment/FRSPaymentInformation	Cond	One	Container	N/A	FRS Payment Information Container	Required only when the FRS Indicator is present.
Type	/RateRequest/Shipment/FRSPaymentInformation/Type	Yes	One	Container	N/A	FRS Payment Information Type container for FRS Rate request	

© 2010 United Parcel Service of America, Inc. All Rights Reserved. Confidential and Proprietary

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
Code	/RateRequest/Shipment/FRSPaymentInformation/Type/Code	Yes*	One	String	2	Payer Type code for FRS Rate request	Valid Values are: 01 = Prepaid: 02 = FreightCollect: 03 = BillThirdParty
Description	/RateRequest/Shipment/FRSPaymentInformation/Type/Description	No	One	String	1...35	Payer Type Description	
AccountNumber	/RateRequest/Shipment/FRSPaymentInformation/AccountNumber	Yes	One	String	6	Ups Account Number	Account Number should be a valid UPS account number that is FRS enabled
Address	/RateRequest/Shipment/FRSPaymentInformation/Address	Cond	One	Container	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
PostalCode	/RateRequest/Shipment/FRSPaymentInformation/Address/PostalCode	Cond	One	String	0..9	Postal Code for UPS accounts billing address.	Postal Code may be present when the FRS Payment Information type = 02 and type =03
CountryCode	/RateRequest/Shipment/FRSPaymentInformation/Address/CountryCode	Yes*	One	String	2	The country code for the UPS accounts billing address.	Country Code is required when the FRS Payment Information type = 02 and type=03
Service	/RateRequest/Shipment/Service	Cond	One	Container	N/A	Service Container.	Note: This is only valid for the request option = Rate for both Small package and FRS Rating request.

© 2010 United Parcel Service of America, Inc. All Rights Reserved. Confidential and Proprietary

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
Code	/RateRequest/Shipment/Service/Code	Yes*	One	String	2	The code for the UPS Service associated with the shipment.	Valid domestic values: 14 = Next Day Air Early AM; 01 = Next Day Air; 13 = Next Day Air Saver; 59 = 2nd Day Air AM; 02 = 2nd Day Air; 12 = 3 Day Select; 03 = Ground. Valid international values: 11= Standard; 07 = Worldwide Express; 54 = Worldwide Express Plus; 08 = Worldwide Expedited; 65 = UPS Saver. Required for Rating and Ignored for Shopping. Valid Poland to Poland Same Day values: 82 = UPS Today Standard; 83 = UPS Today Dedicated Courier; 84 = UPS Today Intercity; 85 = UPS Today Express; 86 = UPS Today Express Saver. Note: The valid service code for a FRS Rating Request is 03=Ground
Description	/RateRequest/Shipment/Service/Description	No	One	String	1...35	A text description of the UPS Service associated with the shipment.	N/A
DocumentsOnlyIndicator	/RateRequest/Shipment/DocumentsOnlyIndicator	No	One	String	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	/RateRequest/Shipment/Package	Yes	Many	Container	N/A	Package Container	N/A
PackagingType	/RateRequest/Shipment/Package/PackagingType	Cond	One	Container	N/A	Packaging Type Container.	N/A

© 2010 United Parcel Service of America, Inc. All Rights Reserved. Confidential and Proprietary

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
Code	/RateRequest/Shipment/Package/PackagingType/Code	Yes*	One	String	2	The code for the UPS packaging type associated with the package.	Valid values:00 = Unknown 01 = UPS Letter; 02 = Package/customer supplied; 03 = UPS Tube; 04 = UPS 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.
Description	/RateRequest/Shipment/Package/PackagingType/Description	No	One	String	1...35	A text description of the code for the UPS packaging type associated with the shipment.	N/A
Dimensions	/RateRequest/Shipment/Package/Dimensions	No	One	Container	N/A	Dimensions Container. Note: This container is not applicable for FRS Rating request.	N/A
UnitOfMeasurement	/RateRequest/Shipment/Package/Dimensions/UnitOfMeasurement	Yes*	One	Container	N/A	UnitOfMeasurement Container.	N/A
Code	/RateRequest/Shipment/Package/Dimensions/UnitOfMeasurement/Code	Yes	One	String	2	Package dimensions unit of measurement code. Codes are: IN = Inches, CM = Centimeters.	Valid codes are: IN or CM.
Description	/RateRequest/Shipment/Package/Dimensions/UnitOfMeasurement/Description	No	One	String	1...35	A text description of the code for the unit of measure associated with the package dimensions.	Ignored if provided in the Request.
Length	/RateRequest/Shipment/Package/Dimensions/Length	Cond	One	String	6.2	The length of the package used to determine dimensional weight.	Required for GB to GB and Poland to Poland shipments
Width	/RateRequest/Shipment/Package/Dimensions/Width	Cond	One	String	6.2	The width of the package used to determine dimensional weight.	Required for GB to GB and Poland to Poland shipments
Height	/RateRequest/Shipment/Package/Dimensions/Height	Cond	One	String	6.2	The height of the package used to determine dimensional weight.	Required for GB to GB and Poland to Poland shipments
PackageWeight	/RateRequest/Shipment/Package/PackageWeight	Cond	One	Container	N/A	Package Weight Container.	Required for an FRS Rating request.

© 2010 United Parcel Service of America, Inc. All Rights Reserved. Confidential and Proprietary

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
UnitOfMeasurement	/RateRequest/Shipment/Package/PackageWeight/UnitOfMeasurement	Yes*	One	Container	N/A	UnitOfMeasurement Container.	N/A
Code	/RateRequest/Shipment/Package/PackageWeight/UnitOfMeasurement/Code	Yes	One	String	3	The code representing the unit of measure associated with the package weight. Codes are: LBS = Pounds, KGS = Kilograms	Valid values: LBS = Pounds (default); KGS = Kilograms
Description	/RateRequest/Shipment/Package/PackageWeight/UnitOfMeasurement/Description	No	One	String	1...35	A text description of the code representing the unit of measure associated with the package weight.	Ignored if provided in the Request.
Weight	/RateRequest/Shipment/Package/PackageWeight/Weight	Yes*	One	String	6.1	The value of the package weight.	Weight accepted for letters/envelopes
Commodity	/RateRequest/Shipment/Package/Commodity	Cond	One	Container	N/A	Commodity Container	Required only if the FRS Indicator is set
FreightClass	/RateRequest/Shipment/Package/Commodity/FreightClass	Yes	One	String	10	Freight Classification. Freight class partially determines the freight rate for the article.	See Appendix for list of possible Freight classes
NMFC	/RateRequest/Shipment/Package/Commodity/NMFC	No	One	Container	N/A	NMFC Commodity Container.	
PrimeCode	/RateRequest/Shipment/Package/Commodity/NMFC/PrimeCode	Yes*	One	String	4..6	Value of NMFC Prime	Required if NMFC Container is Present
SubCode	/RateRequest/Shipment/Package/Commodity/NMFC/SubCode	Cond	One	String	2	Value of NMFC Sub	Needs to be provided when the SubCode associated with the PrimeCode is other than 00. Backend defaults the sub value to 00 if not provided. If provided theSub Code should be associated with the PrimeCode of the NMFC.
LargePackageIndicator	/RateRequest/Shipment/Package/LargePackageIndicator	No	One	String	0	The code representing the size of the package.	The Indicator represents that it is a Large Package.
PackageServiceOptions	/RateRequest/Shipment/Package/PackageServiceOptions	No	One	Container	N/A	PackageServiceOptions Container.	N/A

© 2010 United Parcel Service of America, Inc. All Rights Reserved. Confidential and Proprietary

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
DeliveryConfirmation	/RateRequest/Shipment/Package/PackageServiceOptions/DeliveryConfirmation	No	One	Container	N/A	Delivery Confirmation Container. For a list of valid origin/destination countries please refer to appendix	DeliveryConfirmation and COD cannot coexist on a single Package.
DCISType	/RateRequest/Shipment/Package/PackageServiceOptions/DeliveryConfirmation/DCISType	Yes*	One	String	1	Type of delivery confirmation	Valid values are: 1 - Delivery Confirmation; 2 - Delivery Confirmation Signature Required; 3 - Delivery Confirmation Adult Signature Required
COD	/RateRequest/Shipment/Package/PackageServiceOptions/COD	No	One	Container	N/A	COD Container	Indicates COD is requested. Package level COD is available for US/PR to US/PR, CA to CA, and CA to US. CA to US COD is not allowed for package letter/ Envelope.
CODFundsCode	/RateRequest/Shipment/Package/PackageServiceOptions/COD/CODFundsCode	Yes*	One	String	1	The code that indicates the type of funds that will be used for the COD payment.	Valid values: 0 = cash; 8 = check, cashiers check or money order
CODAmount	/RateRequest/Shipment/Package/PackageServiceOptions/COD/CODAmount	Yes*	One	Container	N/A	CODAmount Container.	N/A
CurrencyCode	/RateRequest/Shipment/Package/PackageServiceOptions/COD/CODAmount/CurrencyCode	Yes	One	String	3	The IATA currency code associated with the COD amount for the package.	Required if a value for the COD amount exists in the MonetaryValue tag. Must match one of the IATA currency codes.
MonetaryValue	/RateRequest/Shipment/Package/PackageServiceOptions/COD/CODAmount/MonetaryValue	Yes	One	String	8.2	The COD value for the package.	Required if COD option is present.
DeclaredValue	/RateRequest/Shipment/Package/PackageServiceOptions/DeclaredValue	No	One	Container	N/A	Declared Value Container.	N/A
CurrencyCode	/RateRequest/Shipment/Package/PackageServiceOptions/DeclaredValue/CurrencyCode	Yes*	One	String	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.
MonetaryValue	/RateRequest/Shipment/Package/PackageServiceOptions/DeclaredValue/MonetaryValue	Yes*	One	String	8.2	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.

© 2010 United Parcel Service of America, Inc. All Rights Reserved. Confidential and Proprietary

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
VerbalConfirmationIndicator	/RateRequest/Shipment/Package/PackageServiceOptions/VerbalConfirmationIndicator	No	One	String	0	A flag indicating if the packages require Verbal Confirmation. True if VerbalConfirmationIndicator tag exists; false otherwise	Empty Tag.
AdditionalHandlingIndicator	/RateRequest/Shipment/Package/AdditionalHandlingIndicator	No	One	String	0	A flag indicating if the packages require additional handling. True if AdditionalHandlingIndicator tag exists; false otherwise	Empty Tag.
ShipmentServiceOptions	/RateRequest/Shipment/ShipmentServiceOptions	No	One	Container	N/A	Shipment Service Options Container.	N/A
SaturdayPickupIndicator	/RateRequest/Shipment/ShipmentServiceOptions/SaturdayPickupIndicator	No	One	String	0	A flag indicating if the shipment requires a Saturday pickup. True if SaturdayPickupIndicator tag exists; false otherwise. Note: Currently not applicable for FRS rating request.	Empty Tag.
SaturdayDeliveryIndicator	/RateRequest/Shipment/ShipmentServiceOptions/SaturdayDeliveryIndicator	No	One	String	0	A flag indicating if a shipment must be delivered on a Saturday. True if SaturdayDeliveryIndicator tag exists; false otherwise	Empty Tag.
OnCallPickup	/RateRequest/Shipment/ShipmentServiceOptions/OnCallPickup	No	One	Container	N/A	On Call Pickup Container. Note: Currently not applicable for FRS rating request.	N/A
Schedule	/RateRequest/Shipment/ShipmentServiceOptions/OnCallPickup/Schedule	Yes	One	Container	N/A	Schedule Container.	N/A
PickupDay	/RateRequest/Shipment/ShipmentServiceOptions/OnCallPickup/Schedule/PickupDay	Yes*	One	String	2	Date the user wishes UPS to pickup the package	Valid Values: 01 = Same Day; 02 = Future Day. Default Value = 01
Method	/RateRequest/Shipment/ShipmentServiceOptions/OnCallPickup/Schedule/Method	Yes*	One	String	2	Method by which the user schedules the pickup.	Valid Values: 01 = Internet; 02 = Phone. Default Value = 01
COD	/RateRequest/Shipment/ShipmentServiceOptions/COD	No	One	Container	N/A	COD Container	Indicates COD is requested. Shipment COD is only available for EU origin countries and for shipper's account type Daily Pickup and Drop Shipping See Table Shipment COD for valid origin and destination countries for shipment COD
CODFundsCode	/RateRequest/Shipment/ShipmentServiceOptions/COD/CODFundsCode	Yes*	One	String	1	Values are: 1 = cash; 9 = check, cashiers check or money order - no cash allowed,	N/A

© 2010 United Parcel Service of America, Inc. All Rights Reserved. Confidential and Proprietary

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
CODAmount	/RateRequest/Shipment/ShipmentServiceOptions/COD/CODAmount	Yes*	One	Container	N/A	CODAmount Container.	N/A
CurrencyCode	/RateRequest/Shipment/ShipmentServiceOptions/COD/CODAmount/CurrencyCode	Yes*	One	String	3	COD amount currency code type.	N/A
MonetaryValue	/RateRequest/Shipment/ShipmentServiceOptions/COD/CODAmount/MonetaryValue	Yes*	One	String	8.2	COD Amount.	See Table Shipment COD for maximum amounts of COD by destination country
DeliveryConfirmation	/RateRequest/Shipment/ShipmentServiceOptions/DeliveryConfirmation	No	One	Container	N/A	Delivery Confirmation Container. For a list of valid origin/destination countries please refer to appendix	DeliveryConfirmation and COD cannot coexist on a single shipment.
DCISType	/RateRequest/Shipment/ShipmentServiceOptions/DeliveryConfirmation/DCISType	Yes*	One	String	1	Type of delivery confirmation	Valid values are: 1 - Delivery Confirmation Signature Required; 2 - Delivery Confirmation Adult Signature Required
ReturnOfDocumentIndicator	/RateRequest/Shipment/ShipmentServiceOptions/ReturnOfDocumentIndicator	No	One	String	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.
ShipmentRatingOptions	/RateRequest/Shipment/ShipmentRatingOptions	No	One	Container	N/A	ShipmentRatingOptions	N/A
NegotiatedRatesIndicator	/RateRequest/Shipment/ShipmentRatingOptions/NegotiatedRatesIndicator	Cond	One	String	0	Negotiated Rates option indicator. If the indicator is present, the Shipper is authorized and the Rates tool is configured to return Negotiated Rates, then Negotiated Rates should be returned in the response. The Negotiated Rates Indicator can be present with a FRS Rating request.	N/A
FRSShipmentIndicator	/RateRequest/Shipment/ShipmentRatingOptions/FRSShipmentIndicator	Cond	One	String	0	FRS Indicator. If this Indicator is present, the FRS Payment Information container must be present and the new FRS data will be returned in response.	
InvoiceLineTotal	/RateRequest/Shipment/InvoiceLineTotal	Cond	One	Container	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).

© 2010 United Parcel Service of America, Inc. All Rights Reserved. Confidential and Proprietary

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
CurrencyCode	/RateRequest/Shipment/InvoiceLineTotal/CurrencyCode	No	One	String	3	Invoice Line Total Currency type. Defaults to the rating currency used in the shipper's country. If entered, the Currency code should match the origin country'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.
MonetaryValue	/RateRequest/Shipment/InvoiceLineTotal/MonetaryValue	Yes*	One	String	1..19	Invoice line Total amount for rating the shipment	Valid values are from 1 to 99999999.
RateResponse	/RateResponse	Yes	One	Container	N/A	Rate Response Container.	
Response	/RateResponse/Response	Yes	One	Container	N/A	Response Container.	
ResponseStatus	/RateResponse/Response/ResponseStatus	Yes	One	Container	N/A	Response Status Container.	
Code	/RateResponse/Response/ResponseStatus/Code	Yes	One	String	1	Identifies the success or failure of the transaction. 1 = Successful	
Description	/RateResponse/Response/ResponseStatus/Description	Yes	One	String	1...35	Describes Response Status Code. Returns text of Success.	
Alert	/RateResponse/Response/Alert	No	Many	Container	N/A	Alert Container. There can be zero to many alert containers with code and description.	
Code	/RateResponse/Response/Alert/Code	Yes*	One	String	1...10	Warning code returned by the system.	
Description	/RateResponse/Response/Alert/Description	Yes*	One	String	1...150	Warning messages returned by the system.	
TransactionReference	/RateResponse/Response/TransactionReference	No	One	Container	N/A	Transaction Reference Container.	

© 2010 United Parcel Service of America, Inc. All Rights Reserved. Confidential and Proprietary

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
CustomerContext	/RateResponse/Response/TransactionReference/CustomerContext	No	One	String	1...512	The CustomerContext Information which will be echoed during response.	
RatedShipment	/RateResponse/RatedShipment	Yes	One	Container	N/A	RatedShipment Container.	
Service	/RateResponse/RatedShipment/Service	Yes	One	Container	N/A	Service Container.	
Code	/RateResponse/RatedShipment/Service/Code	Yes*	One	String	3	The UPS service code.	
Description	/RateResponse/RatedShipment/Service/Description	No	One	String	1...35	The UPS service Description.	
RatedShipmentAlert	/RateResponse/RatedShipment/RatedShipmentAlert	No	Many	Container	N/A	Rated Shipment Alert Container. There can be zero to many RatedShipmentAlert containers with code and description.	
Code	/RateResponse/RatedShipment/RatedShipmentAlert/Code	Yes*	One	String	1...10	The rated shipment's warning code returned by the system.	
Description	/RateResponse/RatedShipment/RatedShipmentAlert/Description	Yes*	One	String	1...150	The rated shipment warning Description returned by the system.	
BillingWeight	/RateResponse/RatedShipment/BillingWeight	Yes	One	Container	N/A	Billing Weight Container.	
UnitOfMeasurement	/RateResponse/RatedShipment/BillingWeight/UnitOfMeasurement	Yes	One	Container	N/A	Unit Of Measurement Container.	
Code	/RateResponse/RatedShipment/BillingWeight/UnitOfMeasurement/Code	Yes	One	String	3	The code associated with the unit of measure for the billable weight of a shipment.	
Description	/RateResponse/RatedShipment/BillingWeight/UnitOfMeasurement/Description	Yes	One	String	1...35	The description for the billable weight associated with the shipment.	

© 2010 United Parcel Service of America, Inc. All Rights Reserved. Confidential and Proprietary

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
Weight	/RateResponse/RatedShipment/BillingWeight/Weight	Yes	One	String	5.1	The value for the billable weight associated with the shipment.	
TransportationCharges	/RateResponse/RatedShipment/TransportationCharges	Yes	One	Container	N/A	Transportation Charges Container.	
CurrencyCode	/RateResponse/RatedShipment/TransportationCharges/CurrencyCode	Yes	One	String	3	The IATA currency code associated with the transportation costs for the shipment.	
MonetaryValue	/RateResponse/RatedShipment/TransportationCharges/MonetaryValue	Yes	One	String	16.2	The value for the transportation costsassociated with the shipment.	
FRSShipmentData	/RateResponse/RatedShipment/FRSShipmentData	Cond	One	Container	N/A	Required only when FRS is present.	
TransportationCharges	/RateResponse/RatedShipment/FRSShipmentData/TransportationCharges	Yes	One	Container	N/A	Transportation Charges Container	
GrossCharge	/RateResponse/RatedShipment/FRSShipmentData/TransportationCharges/GrossCharge	Yes*	One	Container	N/A	Gross Transportation Charges Container	
CurrencyCode	/RateResponse/RatedShipment/FRSShipmentData/TransportationCharges/GrossCharge/CurrencyCode	Yes*	One	String	3	The IATA currency code associated with the transportation costs for the shipment.	
MonetaryValue	/RateResponse/RatedShipment/FRSShipmentData/TransportationCharges/GrossCharge/MonetaryValue	Yes*	One	String	1..19	Total charges Monetary value. Valid values are from 0 to 9999999999999999.99	
DiscountAmount	/RateResponse/RatedShipment/FRSShipmentData/TransportationCharges/DiscountAmount	Yes*	One	Container	N/A	Discount Container	
CurrencyCode	/RateResponse/RatedShipment/FRSShipmentData/TransportationCharges/DiscountAmount/CurrencyCode	Yes*	One	String	3	The IATA currency code associated with the transportation costs for the shipment.	

© 2010 United Parcel Service of America, Inc. All Rights Reserved. Confidential and Proprietary

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
MonetaryValue	/RateResponse/RatedShipment/FRSShipmentData/TransportationCharges/DiscountAmount/MonetaryValue	Yes*	One	String	1..19	Total charges Monetary value. Valid values are from 0 to 9999999999999999.99	
DiscountPercentage	/RateResponse/RatedShipment/FRSShipmentData/TransportationCharges/DiscountPercentage	Yes*	One	String	2.2	Discount Percentage	
NetCharge	/RateResponse/RatedShipment/FRSShipmentData/TransportationCharges/NetCharge	Yes*	One	Container	N/A	Net Transportation Rate Container	
CurrencyCode	/RateResponse/RatedShipment/FRSShipmentData/TransportationCharges/NetCharge/CurrencyCode	Yes*	One	String	3	The IATA currency code associated with the transportation costs for the shipment.	
MonetaryValue	/RateResponse/RatedShipment/FRSShipmentData/TransportationCharges/NetCharge/MonetaryValue	Yes*	One	String	1..19	Total charges Monetary value. Valid values are from 0 to 9999999999999999.99	
ServiceOptionsCharges	/RateResponse/RatedShipment/ServiceOptionsCharges	Yes	One	Container	N/A	Service Options Charges Container.	
CurrencyCode	/RateResponse/RatedShipment/ServiceOptionsCharges/CurrencyCode	Yes	One	String	3	The IATA currency code associated with the accessorial charges for the shipment.	
MonetaryValue	/RateResponse/RatedShipment/ServiceOptionsCharges/MonetaryValue	Yes	One	String	16.2	The value for the accessorial charges associated with the shipment.	
TotalCharges	/RateResponse/RatedShipment/TotalCharges	Yes	One	Container	N/A	Total Charges Container.	
CurrencyCode	/RateResponse/RatedShipment/TotalCharges/CurrencyCode	Yes	One	String	3	The IATA currency code associated with the total charges for the shipment.	
MonetaryValue	/RateResponse/RatedShipment/TotalCharges/MonetaryValue	Yes	One	String	16.2	The value for the total charges associated with the shipment.	

© 2010 United Parcel Service of America, Inc. All Rights Reserved. Confidential and Proprietary

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
NegotiatedRateCharges	/RateResponse/RatedShipment/NegotiatedRateCharges	No	One	Container	N/A	Negotiated Rate Charges Container.	
TotalCharge	/RateResponse/RatedShipment/NegotiatedRateCharges/TotalCharge	Yes	One	Container	N/A	Total Charges Container.	
CurrencyCode	/RateResponse/RatedShipment/NegotiatedRateCharges/TotalCharge/CurrencyCode	Yes*	One	String	3	The IATA currency code associated with the Negotiated Rate total charges for the shipment.	
MonetaryValue	/RateResponse/RatedShipment/NegotiatedRateCharges/TotalCharge/MonetaryValue	Yes*	One	String	16.2	The value for the Negotiated Rate total charges associated with the shipment.	
GuaranteedDelivery	/RateResponse/RatedShipment/GuaranteedDelivery	No	One	Container	N/A	Guaranteed Delivery Container.	
BusinessDaysInTransit	/RateResponse/RatedShipment/GuaranteedDelivery/BusinessDaysInTransit	No	One	String	1...8	The rated shipment's guaranteed delivery date. Denotes UPS published guarantee times. (i.e. 3DaySelect = 3)	
DeliveryByTime	/RateResponse/RatedShipment/GuaranteedDelivery/DeliveryByTime	No	One	String	1...6	The rated shipment's committed delivery time.	
RatedPackage	/RateResponse/RatedShipment/RatedPackage	Yes	Many	Container	N/A	Rated Package Container.	
TransportationCharges	/RateResponse/RatedShipment/RatedPackage/TransportationCharges	No	One	Container	N/A	Transportation Charges Container.	
CurrencyCode	/RateResponse/RatedShipment/RatedPackage/TransportationCharges/CurrencyCode	Yes	One	String	1...3	The IATA currency code associated with the transportation costs for the package.	

© 2010 United Parcel Service of America, Inc. All Rights Reserved. Confidential and Proprietary

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
MonetaryValue	/RateResponse/RatedShipment/RatedPackage/TransportationCharges/MonetaryValue	Yes	One	String	16.2	The value for the transportation costs associated with the package.	
ServiceOptionsCharges	/RateResponse/RatedShipment/RatedPackage/ServiceOptionsCharges	No	One	Container	N/A	Service Options Charges Container.	
CurrencyCode	/RateResponse/RatedShipment/RatedPackage/ServiceOptionsCharges/CurrencyCode	Yes	One	String	3	The IATA currency code associated with the accessorial charges for the package.	
MonetaryValue	/RateResponse/RatedShipment/RatedPackage/ServiceOptionsCharges/MonetaryValue	Yes	One	String	16.2	The value for the accessorial charges associated with the package.	
TotalCharges	/RateResponse/RatedShipment/RatedPackage/TotalCharges	No	One	Container	N/A	Total Charges Container.	
CurrencyCode	/RateResponse/RatedShipment/RatedPackage/TotalCharges/CurrencyCode	Yes	One	String	3	The IATA currency code associated with the total charges for the package.	
MonetaryValue	/RateResponse/RatedShipment/RatedPackage/TotalCharges/MonetaryValue	Yes	One	String	16.2	The value for the total charges associated with the package.	
Weight	/RateResponse/RatedShipment/RatedPackage/Weight	No	One	String	5.1	The weight of the package in the rated Package.	
BillingWeight	/RateResponse/RatedShipment/RatedPackage/BillingWeight	No	One	Container	N/A	Billing Weight Container.	
UnitOfMeasurement	/RateResponse/RatedShipment/RatedPackage/BillingWeight/UnitOfMeasurement	Yes	One	Container	N/A	Unit Of Measurement Container.	
Code	/RateResponse/RatedShipment/RatedPackage/BillingWeight/UnitOfMeasurement/Code	Yes	One	String	3	The code associated with the unit of measure for the billable weight of a package.	

© 2010 United Parcel Service of America, Inc. All Rights Reserved. Confidential and Proprietary

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
Description	/RateResponse/RatedShipment/RatedPackage/BillingWeight/UnitOfMeasurement/Description	Yes	One	String	1...35	The Description for the Unit Of Measurement.	
Weight	/RateResponse/RatedShipment/RatedPackage/BillingWeight/Weight	Yes	One	String	5.1	The value for the billable weight associated with the package.	

© 2010 United Parcel Service of America, Inc. All Rights Reserved. Confidential and Proprietary