

Rating - Ground Freight - LTL

RESTful API Developer Guide

July 8, 2019



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

Permitted Territories

This document can only be used in the countries of the Permitted Territory as defined in the UPS Technology Agreement, as applicable.

Use

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).

Consent to Use of UPS Mark

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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

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Chapter 1: Introduction

This document contains implementation instructions for integrating the Ground Freight Rate API into your application, service, or system.

In this guide, you will find:

- · Ground Freight Rate functionality and business rules
- · Header, URL, request and response elements
- · Error response code descriptions

Intended Audience

 This guide is intended for developers who will be integrating the Ground Freight Rate 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.
- Web APIs
- 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.
- Chapter 3: Customer Integration Environment (CIE) contains information on UPS integration environments.
- Chapter 4: Ground Freight Rate API Elements and Details contains an overview of the top-level containers and elements that comprise the Ground Freight Rate request and response Request and response examples.
- Reference tables and error codes are located in the Appendices.

Technical Specifications

The application creating the return is a Java REST Web Service providing Interface to client applications in Support of Chapter 3: Customer Integration Environment (CIE)

Chapter 2: Understanding the Ground Freight Rate API

The Ground Freight Rate API enables UPS client applications a way to determine the rates available for a ground freight shipment. To use this service, an application sends UPS details about the shipment such as its origin, destination, and contents as well as the specific UPS ground freight service desired. UPS returns rate information to the client application.

Business Processes and Rules

- UPS expects schema as defined in the request structure i.e., no spelling or structural deviations. Elements that are not defined in the data request will result in request being rejected.
- Only users that plan to ship packages manifested, tendered, and delivered by UPS can use the API.
- Any customers/developers abusing or data mining the 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.

Rating Ground Freight Rules

- The Rating Ground Freight API cannot be used to access rates or data from proprietary rate basing systems or licensed products that are not the property of UPS. The Rating Ground Freight API may not be used by brokers or resellers of transportation services. The Shipping and Pickup APIs are the products of UPS and are available to all customers.
- · Ground Freight does not offer void, label recovery or return services
- Ground Freight does not offer Paperless Invoice
- Users must be registered with a user ID and password for both MYUPS and MYLTL in order to see Negotiated Rates. For additional information, refer to the LTL Instructions for Negotiated Rates guide in the Developer Kit.
 - o All shipping and billing locations must be included in the Ground Freight registration.
- Requests for utilizing the Rating Ground Freight API with data from proprietary rate basing systems or licensed
 products that are not the property of UPS can only be considered after approval from the owning authority. Upon
 application for access to the Rating Ground Freight API, UPS Freight will request approval from the owning
 authority prior to completing the application request.
- The Rating Ground Freight API may only be used by brokers or resellers of transportation services with a current and active UPGF Master Transportation Agreement. The Shipping and Pickup APIs are the products of UPS and are available to all customers.

Negotiated Rates

- To view negotiated rates for Ground Freight rates please contact your Account Executive.
- Users must be registered with a user ID and password for both MYUPS and MYLTL in order to see Negotiated Rates.

UPS Freight Density Rates

UPS Freight Density Rates provide a new rating method based on dimensional weight for the UPS Freight Less Than Truckload (LTL) and UPS Ground with Freight Pricing (GFP) customers who ship using the Shipping API – Ground.

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.

LTL Freight Country or Territory Origins

LTL Freight country or territory origins include US, CA & MX. The US territory means the contiguous 48 states of the US and Washington DC. While we service Hawaii, Alaska, Guam, Puerto Rico and the US Virgin Islands, those rates can only be obtained by calling UPS Freight Customer Service at (800) 333-7400.

Using Negotiated Rates in CIE

The negotiated rates returned do not reflect the contractual rate and may vary.

Also, in the Customer Integration Environment, the shipper eligibility for negotiated rates is not fully verified.

Typically the Negotiated Rates in CIE are as follows:

- i. Basic Pricing is 67% off the published rate
- ii. Density Based Pricing is 23% off the published rate
- iii. Exception Pricing is 49% off the published rate
- iv. Regional Tier Pricing is 36% off the published rate

Integration Testing and Production URLs

Testing:	https://wwwcie.ups.com/ship/{version}/freight/rating/{requestoption}
Production:	https://onlinetools.ups.com/ship/{version}/freight/rating/{requestoption}

Ground Freight Test Cases

The test scenarios below are provided to assist with the integration of the API.

The values returned for Scenarios 2 through 5 may vary. An issue should only be reported if no amount is returned in the response.

Scenario 1 – Basic Pricing

Input:

Туре	Value
Shipper Name	Developer Test 1
Shipper Address	01 Developer Way
Shipper City	Richmond
Shipper State	VA
Shipper (Origin) Zip	23224
Consignee Name	Consignee Test 1
Consignee Address	000 Consignee Street
Consignee City	Allanton
Consignee State	MO
Consignee (Destination) Zip	63025
Prepaid/Collect	P (Prepaid)
Weight (lb)	500
Class	92.5
NMFC	16030 sub 1

Туре	Value
Total Freight Charges	\$450.74
Pickup Confirmation Number	WBU0000103451
BOL Number	9497669

Scenario 2 – Exception Pricing

Input:

Туре	Value
Shipper Name	Developer Test 2
Shipper Address	202 Developer Way
Shipper City	Atlanta
Shipper State	GA
Shipper (Origin) Zip	30328
Consignee Name	Consignee Test 2
Consignee Address	2000 Consignee Street
Consignee City	Allanton
Consignee State	МО
Consignee (Destination) Zip	63025
Prepaid/Collect	P (Prepaid)
Weight (lb)	500
NMFC	16030 sub 1
Class	92.5

Туре	Value
Disc	70%
Total Charges	\$286.11

Scenario 3 – Regional Tier Pricing

Input:

Туре	Value
Shipper Name	Developer Test 2
Shipper Address	202 Developer Way
Shipper City	Atlanta
Shipper State	GA
Shipper (Origin) Zip	30328
Consignee Name	Consignee Test 3
Consignee Address	3000 Consignee Street
Consignee City	Richmond
Consignee State	VA
Consignee (Destination) Zip	23224
Prepaid/Collect	P (Prepaid)
Weight (lb)	500
Class	92.5
NMFC	16030 sub 1

Туре	Value
Disc	72%
Total Charges	\$198.15

Scenario 4 – Accessorial Charge Exception

Input:

Туре	Value
Shipper Name	Developer Test 2
Shipper Address	202 Developer Way
Shipper City	Atlanta
Shipper State	GA
Shipper (Origin) Zip	30328
Consignee Name	Consignee Test 3
Consignee Address	3000 Consignee Street
Consignee City	Richmond
Consignee State	VA
Consignee (Destination) Zip	23224
Prepaid/Collect	P (Prepaid)
Weight (lb)	500
Class	92.5
NMFC	16030 sub 1
Accessorial	NTFN (Notification)

Туре	Value
Disc	72%
Total Charges	\$198.15

Scenario 5 - Canadian Pricing

Input:

Туре	Value
Shipper Name	Developer Test 2
Shipper Address	202 Developer Way
Shipper City	Atlanta
Shipper State	GA
Shipper (Origin) Zip	30328
Consignee Name	Consignee Test 5
Consignee Address	5000 Consignee Street
Consignee City	St Johns
Consignee State	NF
Consignee (Destination) Zip	A1A1A1
Prepaid/Collect	P (Prepaid)
Weight (lb)	500
Class	92.5
NMFC	16030 sub 1
Service	LTL
Handling Unit One Code	SKD

Туре	Value
Disc	70%
Total Charges	\$ 1375.42

Scenario 6: Density Based Pricing – contract service

Input:

TYPE	VALUE
Shipper Name	Developer TEST 3
Shipper Address	303 Developer Way
Shipper City	Richmond
Shipper State	VA
Shipper (Origin) Zip	23234
Consignee Name	Consignee Test 1
Consignee Address	000 Consignee Street
Consignee City	Allanton
Consignee State	МО
Consignee (Destination) Zip	63025
Prepaid/Collect	P (PREPAID)
Weight (lb)	500
Number of HandlingUnits	
Length	48
Width	48
Height	96

TYPE	VALUE
DISC	8%
Density	2.0 lbs/CFT
Total Cubic Feet	20.00
Total Charges	\$450.14

Scenario 7: Density Based Pricing

Multi Handling Unit/dimensions

Input:

ТҮРЕ	VALUE
Shipper Name	Developer TEST 3
Shipper Address	303 Developer Way
Shipper City	Richmond
Shipper State	VA
Shipper (Origin) Zip	23234
Consignee Name	Consignee Test 1
Consignee Address	000 Consignee Street
Consignee City	Allanton
Consignee State	МО
Consignee (Destination) Zip	63025
Prepaid/ Collect	P (PREPAID)
Weight (lb)	500
Number of HandlingUnits	2
Length (H/U#1)	48
Width (H/U#1)	48
Height (H/U#1)	96
Length (H/U#2)	40
Width (H/U#2)	40
Height (H/U#2)	48

TYPE	VALUE
DISC	8%
Density	9.0 lbs/CFT
Total Cubic Feet	72.44
Total Charges	\$529.16

Chapter 4: Ground Freight Rate API Elements and Details

Element Constraints

The Header, URL, Parameters, Request and Response tables contain the full hierarchy of the API elements.

Element constraints are defined as follows:

Name

The element or container name.

Constraints

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.
- Array collection of values that allows to provide a list of values. An array begins with [(left bracket) and ends with] (right bracket). Its values are separated by , (comma).
- Header header parameter
- Path URL path parameter
- · Query URL query parameter

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.

Description

A description of the element or container. Also any validation rules associated with the element/container.

Header

Name	Constraint	Description
transld	Required: Yes Type: Header Length: 32	An identifier unique to the request
transactionSrc	Required: Yes Type: Header Length: 512	Identifies the clients/source application that is calling
AccessLicenseNumber	Required: Yes Type: Header Length: 16	Authorization: Access Key obtained through on- boarding process. Contact your UPS representative for additional information.
Username	Required: Yes Type: Header Length: 16	The customers MyUPS username
Password	Required: Yes Type: Header Length: 26	The customers MyUPS password

URL

https://onlinetools.ups.com/ship/{version}/freight/rating/{requestoption}

URL Parameters

Name	Constraint	Description
version	Required: Yes Type: Path Length: 5	When UPS introduces new elements in the response that are not associated with new request elements, Version is used. This ensures backward compatibility. Supported values: v1, v1601, v1607, v1701, v1707, v1801
requestoption	Required: Yes Type: Path Length: 15	Valid Values: ground air

Request

Name	Constraint	Description
{"FreightRateRequest" : {}}	·	-
FreightRateRequest	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Freight Rate Request Container.
{"FreightRateRequest" : {"ShipFrom" :	{}}	
ShipFrom	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Shipper Container.
{"FreightRateRequest" : {"ShipFrom" :	{"Name": ""}}}	
Name	Required: No Type: String Max Allowed: 1 Length: 35	The shipper location's name or company name.
{"FreightRateRequest" : {"ShipFrom" :	{"Address":	
Address	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Address Container.
{"FreightRateRequest" : {"ShipFrom" :	{"Address" : {"AddressLine" : ""}}	}}}
AddressLine	Required: No Type: String Max Allowed: 3 Length: 35	The shipper street address.
{"FreightRateRequest" : {"ShipFrom" :	{"Address" : {"City" :""}}}}	
City	Required: No Type: String Max Allowed: 1 Length: 30	The shipper city.
{"FreightRateRequest" : {"ShipFrom" :	{"Address" : {"StateProvinceCod	de": ""}}}}
StateProvinceCode	Required: Cond Type: String Max Allowed: 1 Length: 5	The shipper location's state or province code.
{"FreightRateRequest" : {"ShipFrom" :	{"Address" : {"Town" : ""}}}}	
Town	Required: No Type: String Max Allowed: 1 Length: 30	The shipper location's town code.
{"FreightRateRequest" : {"ShipFrom" :	{"Address" : {"PostalCode" : ""}}}	}}
PostalCode	Required: Cond Type: String Max Allowed: 1 Length: 10	The shipper location's postal code.
{"FreightRateRequest": {"ShipFrom":	{"Address" : {"CountryCode" : ""}	}}}}
CountryCode	Required: Yes Type: String Max Allowed: 1 Length: 2	The shipper location's country or territory code.
{"FreightRateRequest" : {"ShipFrom" :	{"Address" : {"ResidentialAddres	ssIndicator": ""}}}
ResidentialAddressIndicator	Required: No Type: String	The presence of the tag indicates that the shipper address is residential

Name	Constraint	Description
	Max Allowed: 1 Length: 0	
{"FreightRateRequest" : {"ShipFrom" : {"Atten	tionName" : ""}}}}	
AttentionName	Required: No Type: String Max Allowed: 1 Length: 35	Contact name at the shipper location.
{"FreightRateRequest" : {"ShipTo" : {}}}		
ShipTo	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Consignee Container.
{"FreightRateRequest" : {"ShipTo" : {"Name"	: ""}}}	
Name	Required: No Type: String Max Allowed: 1 Length: 35	Consignee's company name.
{"FreightRateRequest" : {"ShipTo" : {"Addres		
Address	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Address Container.
{"FreightRateRequest" : {"ShipTo" : {"Addres	s" : {"AddressLine" :""}}}}	
AddressLine	Required: No Type: String Max Allowed: 3 Length: 35	The consignee street address.
{"FreightRateRequest" : {"ShipTo" : {"Addres	s" : {"City" :""}}}	
City	Required: No Type: String Max Allowed: 1 Length: 30	Consignee's city.
{"FreightRateRequest" : {"ShipTo" : {"Addres		··· ···}}}
StateProvinceCode	Required: Cond Type: String Max Allowed: 1 Length: 5	Consignee's state or province code.
{"FreightRateRequest" : {"ShipTo" : {"Addres	s" : {"Town" : ""}}}}	
Town	Required: No Type: String Max Allowed: 1 Length: 30	Consignee's town code.
{"FreightRateRequest" : {"ShipTo" : {"Addres	s" : {"PostalCode" : ""}}}	
PostalCode	Required: Cond Type: String Max Allowed: 1 Length: 10	Consignee's postal code.
{"FreightRateRequest" : {"ShipTo" : {"Addres	s" : {"CountryCode" : ""}}}}	_
CountryCode	Required: Yes Type: String Max Allowed: 1 Length: 2	Consignee's country or territory code.
{"FreightRateRequest" : {"ShipTo" : {"Address" : {"ResidentialAddressIndicator" : ""}}}}		
ResidentialAddressIndicator	Required: No Type: String	The presence of the tag indicates that the consignee address is residential

Name	Constraint	Description
	Max Allowed: 1 Length: 0	
{"FreightRateRequest" : {"ShipTo" : {"Attentio	nName" : ""}}}}	_
AttentionName	Required: No Type: String Max Allowed: 1 Length: 35	Contact name at the consignee's location.
{"FreightRateRequest" : {"PaymentInformation	n" : {}}}	
PaymentInformation	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Payment Information Container.
{"FreightRateRequest" : {"PaymentInformation	n": {"Payer":{}}}	
Payer	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Payer Container.
{"FreightRateRequest" : {"PaymentInformation	n": {"Payer": {"Name":""}}}	}
Name	Required: Yes Type: String Max Allowed: 1 Length: 35	Payer's company name
{"FreightRateRequest" : {"PaymentInformation	n":{"Payer":{"Address":{}	}}}
Address	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Address Container.
{"FreightRateRequest" : {"PaymentInformation	n": {"Payer": {"Address":{	"AddressLine": ""}}}}
AddressLine	Required: Yes Type: String Max Allowed: 3 Length: 35	Payer's street address.
{"FreightRateRequest" : {"PaymentInformation	n":{"Payer":{"Address":{	"City": ""}}}}
City	Required: Yes Type: String Max Allowed: 1 Length: 30	Payer's city.
{"FreightRateRequest" : {"PaymentInformation		"StateProvinceCode": ""}}}
StateProvinceCode	Required: Cond Type: String Max Allowed: 1 Length: 5	Payer's state or province code.
{"FreightRateRequest" : {"PaymentInformation	n":{"Payer":{"Address":{	"Town" : ""}}}}
Town	Required: No Type: String Max Allowed: 1 Length: 30	Payer's town code.
{"FreightRateRequest" : {"PaymentInformation	n": {"Payer": {"Address": {	"PostalCode" : ""}}}}
PostalCode	Required: Cond Type: String Max Allowed: 1 Length: 10	Payer's postal code.
{"FreightRateRequest" : {"PaymentInformation	n": {"Payer": {"Address": {	"CountryCode": ""}}}
CountryCode	Required: Yes Type: String	Payer's country or territory code.

Name	Constraint	Description
	Max Allowed: 1 Length: 2	
{"FreightRateRequest" : {"PaymentInformation	n": {"Payer": {"ShipperNur	mber": ""}}}
ShipperNumber	Required: No Type: String Max Allowed: 1 Length: 10	Payer's six digit account number.
{"FreightRateRequest" : {"PaymentInformatio	n": {"Payer": {"AttentionNa	ame" : ""}}}}
AttentionName	Required: No Type: String Max Allowed: 1 Length: 35	Contact name at the payer's location.
{"FreightRateRequest" : {"PaymentInformatio	n": {"ShipmentBillingOption	<u>" :{}}}}</u>
ShipmentBillingOption	Required: Yes Type: Container Max Allowed: 1 Length: N/A	ShipmentBillingOption Container.
{"FreightRateRequest" : {"PaymentInformatio	n": {"ShipmentBillingOption	": {"Code": ""}}}}
Code	Required: Yes Type: String Max Allowed: 1 Length: 2	Billing Option Code. Valid values: 10 - Prepaid 30 - Bill to Third Party 40 - Freight Collect
{"FreightRateRequest" : {"Service" : {}}}		
Service	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Service Container.
{"FreightRateRequest": {"Service": {"Code"	: ""}}}	
Code	Required: Yes Type: String Max Allowed: 1 Length: 3	The code for the UPS Service associated with the shipment. Refer to Services Codes in the Appendix for valid values.
{"FreightRateRequest": {"HandlingUnitOne":	{}}}	
HandlingUnitOne	Required: Cond Type: Container Max Allowed: 1 Length: N/A	HandlingUnitOne Container. Required, unless HandlingUnitTwo is present with a value of LOO -LOOSE.
{"FreightRateRequest" : {"HandlingUnitOne" :	{"Quantity" : ""}}}	
Quantity	Required: Yes* Type: String Max Allowed: 1 Length: 8	Quantity of the handling unit.
{"FreightRateRequest" : {"HandlingUnitOne" :	{"Type": {}}}}	
Type	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	Type container.
{"FreightRateRequest" : {"HandlingUnitOne" :	{"Type": {"Code": ""}}}	
Code	Required: Yes Type: String Max Allowed: 1 Length: 3	The code associated with handling unit 1 type. Refer to Handling Unit Codes in the Appendix for valid values.
{"FreightRateRequest" : {"HandlingUnitTwo" :	{}}}	
HandlingUnitTwo	Required: No Type: Container	HandlingUnitTwo Container.

Name	Constraint	Description
	Max Allowed: 1 Length: N/A	
{"FreightRateRequest" : {"HandlingUnitTwo" :	: {"Quantity" : ""}}}	
Quantity	Required: Yes* Type: String Max Allowed: 1 Length: 8	Quantity of the handling unit.
{"FreightRateRequest" : {"HandlingUnitTwo"	: {"Type" : {}}}}	
Туре	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	Type container.
{"FreightRateRequest": {"HandlingUnitTwo":	: {"Type" : {"Code" : ""}}}	
Code	Required: Yes Type: String Max Allowed: 1 Length: 3	The code associated with handling unit 2 type. Refer to Handling Unit Codes in the Appendix for valid values.
{"FreightRateRequest" : {"Commodity" : {}}}		
Commodity	Required: Yes Type: Container Max Allowed: 99 Length: N/A	Commodity Container.
{"FreightRateRequest" : {"Commodity" : {"Co	ommodityID" :""}}}	
CommodityID	Required: No Type: String Max Allowed: 1 Length: 35	Unique identifier for the commodity.
{"FreightRateRequest" : {"Commodity" : {"W	eight": {}}}	
Weight	Required: Cond Type: Container Max Allowed: 1 Length: N/A	CommodityWeight Container. Required if ShipmentTotalWeight is not provided.
{"FreightRateRequest" : {"Commodity" : {"W	eight": {"Value": ""}}}	
Value	Required: Yes Type: String Max Allowed: 1 Length: 16	The value for the line item weight associated with the shipment. Valid characters: 0-9 and "." (Decimal point). Maximum of 2 digits after the decimal. Maximum field length: 16 characters. The decimal ".", does not count as a character.
		Examples: 12345678912345.67
		123456789123456.7
		1234567891234567
{"FreightRateRequest" : {"Commodity" : {"W	eight": {"UnitOfMeasurem	ent": {}}}}}
UnitOfMeasurement	Required: Yes Type: Container Max Allowed: 1 Length: N/A	CommodityWeight UnitOfMeasurement Container.
{"FreightRateRequest" : {"Commodity" : {"W	eight": {"UnitOfMeasurem	ent": {"Code": ""}}}
Code	Required: Yes Type: String Max Allowed: 1 Length: 3	The code associated with the unit of measure for the line item. Valid values: LBS – Pounds
{"FreightRateRequest" : {"Commodity" : {"Ad	djustedWeight": {}}}	

Name	Constraint	Description
AdjustedWeight	Required: No Type: Container Max Allowed: 1 Length: N/A	Adjusted Weight Container.
{"FreightRateRequest" : {"Commodity" :	{"AdjustedWeight": {"Value"	: ""}}}}
Value	Required: Yes Type: String Max Allowed: 1 Length: 16	Adjusted weight value for the commodity.
{"FreightRateRequest" : {"Commodity" :	{"AdjustedWeight": {"UnitOfN	Measurement": {}}}}
UnitOfMeasurement	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Unit of Measurement container for the Adjusted weight.
{"FreightRateRequest" : {"Commodity" :	{"AdjustedWeight": {"UnitOfN	Measurement": {"Code": ""}}}
Code	Required: Yes Type: String Max Allowed: 1 Length: 3	Code associated with the Unit of Measurement for the Adjusted weight.
{"FreightRateRequest" : {"Commodity" :	{"Dimensions": {}}}	
Dimensions	Required: Cond Type: Container Max Allowed: 1 Length: N/A	Dimensions Container.
{"FreightRateRequest" : {"Commodity" :	{"Dimensions": {"UnitOfMeas	surement": {}}}}
UnitOfMeasurement	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	UnitOfMeasurement Container.
{"FreightRateRequest" : {"Commodity" :	{"Dimensions" : {"UnitOfMea	surement": {"Code": ""}}}
Code	Required: Yes Type: String Max Allowed: 1 Length: 3	The code associated with the unit of measure for the line item dimension.
{"FreightRateRequest" : {"Commodity" :	{"Dimensions": {"Length": {	[]]]
Length	Required: Yes* Type: String Max Allowed: 1 Length: 16	The length of the line item used to determine dimensional weight. Valid characters: 0-9 and "." (Decimal point). Maximum of 2 digits after the decimal. Maximum field length: 16 characters. The decimal ".", does not count as a character. Examples: 12345678912345.67
		123456789123456.7
		1234567891234567
{"FreightRateRequest" : {"Commodity" :	{"Dimensions": {"Width": ""})}}}
Width	Required: Yes* Type: String Max Allowed: 1 Length: 16	The width of the line item used to determine dimensional weight. For valid formatting, see Length above.
{"FreightRateRequest" : {"Commodity" :	{"Dimensions": {"Height": ""	"}}}
Height	Required: Yes* Type: String Max Allowed: 1 Length: 16	The height of the line item used to determine dimensional weight. For valid formatting, see Length above.

Name	Constraint	Description
{"FreightRateRequest" : {"Commodity" :		
NumberOfPieces	Required: Yes Type: String Max Allowed: 1 Length: 6	Number of pieces of the commodity in the handling unit.
{"FreightRateRequest" : {"Commodity" :	{"PackagingType": {}}}}	
PackagingType	Required: Yes Type: Container Max Allowed: 1 Length: N/A	PackagingType Container.
{"FreightRateRequest" : {"Commodity" :	{"PackagingType": {"Code	2":""}}}
Code	Required: Yes Type: String Max Allowed: 1 Length: 3	The code for the UPS packaging type associated with the shipment. Refer to Packaging Type Codes in the Appendix for valid values.
{"FreightRateRequest" : {"Commodity" :	{"DangerousGoodsIndicato	r": ""}}
DangerousGoodsIndicator	Required: Cond Type: String Max Allowed: 1 Length: 0	The presence of the tag DangerousGoodsIndicator indicates that the commodity is of type dangerous goods. Required for at least one commodity when the dangerous goods accessorial is passed.
{"FreightRateRequest" : {"Commodity" :	{"CommodityValue":{}}}	
CommodityValue	Required: No Type: Container Max Allowed: 1 Length: N/A	CommodityValue Container.
{"FreightRateRequest" : {"Commodity" :	{"CommodityValue" : {"Curr	encyCode": ""}}}}
CurrencyCode	Required: Cond Type: String Max Allowed: 1 Length: 3	Commodity value currency code type. Required when value of commodity is entered. Valid value: USD - United States Dollar
{"FreightRateRequest" : {"Commodity" :	{"CommodityValue" :{"Mone	·
MonetaryValue	Required: Yes* Type: String Max Allowed: 1 Length: 16	Commodity value amount.
{"FreightRateRequest" : {"Commodity" :		'
FreightClass	Required: No Type: String Max Allowed: 1 Length: 10	Freight Classification. Refer to Ground Freight Classes in the Appendix for valid values.
{"FreightRateRequest" : {"Commodity" :	{"NMFCCommodityCode":	<i>""</i> }}
NMFCCommodityCode	Required: No Type: String Max Allowed: 1 Length: 08	National Motor Freight Classification Commodity code.
{"FreightRateRequest" : {"Commodity" :	{"NMFCCommodity":	
NMFCCommodity	Required: No Type: Container Max Allowed: 1 Length: N/A	Container for National Motor Freight Classification Commodity. This Container is for customers who choose to send the NMFC prime and sub code as two different fields. This container is mutually exclusive with NMFCCommodityCode element above.
{"FreightRateRequest" : {"Commodity" :	{"NMFCCommodity" : {"Pri	meCode": ""}}}}
PrimeCode	Required: Cond Type: String	National Motor Freight Classification Commodity prime code. Must be 6 digits representing the NMFC prime

Name	Constraint	Description
	Max Allowed: 1 Length: 36	code. This field is required if NMFCCommodity {"SubCode": is supplied.
{"FreightRateRequest" : {"Commodity" :	("NMFCCommodity": {"Su	bCode": ""}}}}
SubCode	Required: No Type: String Max Allowed: 1 Length: 02	National Motor Freight Classification Commodity sub code. Must be 2 digits representing the NMFC sub code.
		If this field is supplied, NMFCCommodity {"PrimeCode": also has to be supplied.
{"FreightRateRequest": {"ShipmentService	eOptions": {}}}	
ShipmentServiceOptions	Required: No Type: Container Max Allowed: 1 Length: N/A	ShipmentServiceOptions Container.
{"FreightRateRequest" : {"ShipmentService	eOptions": {"PickupOption	ns": {}}}}
PickupOptions	Required: No Type: Container Max Allowed: 1 Length: N/A	PickupOptions Container.
{"FreightRateRequest" : {"ShipmentService	eOptions": {"PickupOption	ns": {"HolidayPickupIndicator": ""}}}}
HolidayPickupIndicator	Required: No Type: String Max Allowed: 1 Length: 0	The presence of the tag HolidayPickupIndicator indicates that the shipment requires a holiday pickup.
{"FreightRateRequest" : {"ShipmentService	eOptions": {"PickupOption	ns": {"InsidePickupIndicator": ""}}}}
InsidePickupIndicator	Required: No Type: String Max Allowed: 1 Length: 0	The presence of the tag InsidePickupIndicator indicates that the shipment requires an inside pickup.
{"FreightRateRequest" : {"ShipmentService	eOptions": {"PickupOption	ns": {"ResidentialPickupIndicator": ""}}}}
ResidentialPickupIndicator	Required: No Type: String Max Allowed: 1 Length: 0	The presence of the tag ResidentialPickupIndicator indicates that the shipment requires a residential pickup.
{"FreightRateRequest" : {"ShipmentService	eOptions": {"PickupOption	ns": {"WeekendPickupIndicator": ""}}}}
WeekendPickupIndicator	Required: No Type: String Max Allowed: 1 Length: 0	The presence of the tag WeekendPickupIndicator indicates that the shipment requires a weekend pickup.
{"FreightRateRequest" : {"ShipmentService	eOptions": {"PickupOption	ns": /LiftGateRequiredIndicator": ""}}}
LiftGateRequiredIndicator	Required: No Type: String Max Allowed: 1 Length: 0	The presence of the tag LiftGateRequiredIndicator indicates that the shipment requires a lift gate.
{"FreightRateRequest" : {"ShipmentService		ns": /LimitedAccessPickupIndicator": ""}}}
LimitedAccessPickupIndicator	Required: No Type: String Max Allowed: 1 Length: 0	The presence of the tag LimitedAccessPickupIndicator indicates that there is limited access for pickups
{"FreightRateRequest": {"ShipmentServion	eOptions": {"DeliveryOptions"	ons" : {}}}}
DeliveryOptions	Required: No Type: Container Max Allowed: 1 Length: N/A	DeliveryOptions Container.

Name	Constraint	Description
{"FreightRateRequest" : {"ShipmentServiceC	Options": {"DeliveryOptions'	: {"CallBeforeDeliveryIndicator" : ""}}}
CallBeforeDeliveryIndicator	Required: No Type: String Max Allowed: 1 Length: 0	The presence of the tag CallBeforeDeliveryIndicator indicates that the shipment is going to be delivered after calling the consignee.
{"FreightRateRequest" : {"ShipmentServiceC	Options": {"DeliveryOptions"	': {"HolidayDeliveryIndicator": ""}}}
HolidayDeliveryIndicator	Required: No Type: String Max Allowed: 1 Length: 0	The presence of the tag HolidayDeliveryIndicator indicates that the shipment is going to be delivered on a holiday.
{"FreightRateRequest" : {"ShipmentServiceC	Options": {"DeliveryOptions"	': {"InsideDeliveryIndicator": ""}}}
InsideDeliveryIndicator	Required: No Type: String Max Allowed: 1 Length: 0	The presence of the tag InsideDeliveryIndicator indicates that the shipment requires an inside delivery.
{"FreightRateRequest" : {"ShipmentServiceC	Options": {"DeliveryOptions"	': {"ResidentialDeliveryIndicator": ""}}}
ResidentialDeliveryIndicator	Required: No Type: String Max Allowed: 1 Length: 0	The presence of the tag ResidentialDeliveryIndicator indicates that the shipment requires a residential delivery.
{"FreightRateRequest" : {"ShipmentServiceC	Options": {"DeliveryOptions"	: {"WeekendDeliveryIndicator" : ""}}}}
WeekendDeliveryIndicator	Required: No Type: String Max Allowed: 1 Length: 0	The presence of the tag WeekendDeliveryIndicator indicates that the shipment is going to be delivered on a weekend.
{"FreightRateRequest" : {"ShipmentServiceC	Options": {"DeliveryOptions"	: {"LiftGateRequiredIndicator": ""}}}
LiftGateRequiredIndicator	Required: No Type: String Max Allowed: 1 Length: 0	The presence of the tag LiftGateRequiredIndicator indicates that the shipment requires a lift gate.
{"FreightRateRequest" : {"ShipmentServiceC	Options": {"DeliveryOptions"	: {"LimitedAccessDeliveryIndicator": ""}}}
LimitedAccessDeliveryIndicator	Required: No Type: String Max Allowed: 1 Length: 0	The presence of the tag LimitedAccessDeliveryIndicator indicates that there is limited access for delivery.
{"FreightRateRequest" : {"ShipmentServiceC		{}}}
OverSeasLeg	Required: No Type: Container Max Allowed: 1 Length: N/A	OverSeasLeg Container.
{"FreightRateRequest": {"ShipmentServiceC	Options": {"OverSeasLeg":	{"Dimensions": {}}}}
Dimensions	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	Dimensions Container.
{"FreightRateRequest" : {"ShipmentServiceC	Options": {"OverSeasLeg":	["Dimensions": {"Volume": ""}}}
Volume	Required: Cond Type: String Max Allowed: 1 Length: 16	Represents the size as volume.
{"FreightRateRequest": {"ShipmentServiceC	Options": {"OverSeasLeg":	{"Dimensions": {"Height": ": ""}}}}
Height	Required: Cond Type: String Max Allowed: 1 Length: 18	The height used to determine dimensional size.

Name	Constraint	Description
{"FreightRateRequest" : {"ShipmentServiceO	ptions": {"OverSeasLeg":	{"Dimensions": {"Length": ""}}}}
Length	Required: Cond Type: String Max Allowed: 1 Length: 18	The length used to determine dimensional size.
{"FreightRateRequest": {"ShipmentServiceO	ptions": {"OverSeasLeg":	{"Dimensions": {"Width": ""}}}
Width	Required: Cond Type: String Max Allowed: 1 Length: 18	The width used to determine dimensional size.
{"FreightRateRequest": {"ShipmentServiceO	ptions": {"OverSeasLeg":	{"Dimensions": {"UnitOfMeasurement": {}}}}}
UnitOfMeasurement	Required: Yes Type: Container Max Allowed: 1 Length: N/A	UnitOfMeasurement Container.
{"FreightRateRequest" : {"ShipmentServiceO : ""}}}}}	ptions": {"OverSeasLeg":	{"Dimensions": {"UnitOfMeasurement": {"Code"
Code	Required: Yes Type: String Max Allowed: 1 Length: 3	The code associated with the unit of measure for the OverSeasLeg dimension.
{"FreightRateRequest" : {"ShipmentServiceO	ptions": {"OverSeasLeg":	{"Value": {}}}}}
Value	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	Dimensions Value Container.
{"FreightRateRequest": {"ShipmentServiceO	ptions": {"OverSeasLeg":	{"Value": {"Cube": {}}}}}
Cube	Required: No Type: Container Max Allowed: 1 Length: N/A	Dimensions Value Cube Container.
{"FreightRateRequest": {"ShipmentServiceO	ptions": {"OverSeasLeg":	{"Value": {"Cube":{"CurrencyCode": ""}}}}}
CurrencyCode	Required: Yes* Type: String Max Allowed: 1 Length: 3	Currency code type for Price per cubic feet. Valid value: USD - United States Dollar
{"FreightRateRequest" : {"ShipmentServiceO		{"Value": {"Cube":{"MonetaryValue": ""}}}}}
MonetaryValue	Required: Yes* Type: String Max Allowed: 1 Length: 16	Price per cubic feet.
{"FreightRateRequest": {"ShipmentServiceO	ptions": {"OverSeasLeg":	{"Value": {"CWT": {}}}}}
CWT	Required: No Type: Container Max Allowed: 1 Length: N/A	Dimensions Value CWT Container.
{"FreightRateRequest" : {"ShipmentServiceO		{"Value": {"CWT": {"CurrencyCode": ""}}}}}
CurrencyCode	Required: Yes* Type: String Max Allowed: 1 Length: 3	Currency code type for Price per CWT. Valid value: USD - United States Dollar
{"FreightRateRequest" : {"ShipmentServiceO	ptions": {"OverSeasLeg":	{"Value": {"CWT": {"MonetaryValue": ""}}}}}
MonetaryValue	Required: Yes* Type: String Max Allowed: 1 Length: 16	Price per CWT.

Name	Constraint	Description
{"FreightRateRequest" : {"ShipmentService	ceOptions": {"COD": {}}}}	
COD	Required: No Type: Container Max Allowed: 1 Length: N/A	COD Container.
{"FreightRateRequest" : {"ShipmentService	ceOptions": {"COD": {"C	ODValue" :{}}}}
CODValue	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	CODValue Container.
{"FreightRateRequest" : {"ShipmentService	ceOptions": {"COD": {"C	ODValue": {"CurrencyCode": ""}}}}
CurrencyCode	Required: Yes Type: String Max Allowed: 1 Length: 3	COD amount currency code type. Valid value: USD - United States Dollar
{"FreightRateRequest" : {"ShipmentService	ceOptions": {"COD": {"C	ODValue": {"MonetaryValue": ""}}}}
MonetaryValue	Required: Yes Type: String Max Allowed: 1 Length: 16	COD Amount.
{"FreightRateRequest" : {"ShipmentService	ceOptions": {"COD": {"C	ODPaymentMethod": {}}}}
CODPaymentMethod	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	CODPaymentMethod Container.
{"FreightRateRequest" : {"ShipmentService	ceOptions": {"COD": {"C	ODPaymentMethod" : {"Code" : ""}}}}
Code	Required: Yes Type: String Max Allowed: 1 Length: 1	The code associated with the COD payment method for the shipment service options. Valid values: M - Company Check R - Certified Check
{"FreightRateRequest" : {"ShipmentService	ceOptions": {"COD": {"C	ODBillingOption": {}}}}
CODBillingOption	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	CODBillingOption Container.
{"FreightRateRequest" : {"ShipmentService	ceOptions": {"COD": {"C	ODBillingOption": {"Code": ""}}}
Code	Required: Yes Type: String Max Allowed: 1 Length: 2	The code associated with the COD billing option for the shipment service options. Valid values: 01 - Prepaid 02 - Freight Collect
{"FreightRateRequest" : {"ShipmentService	ceOptions": {"COD": {"R	emitTo": {}}}}}
RemitTo	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	RemitTo Container.
{"FreightRateRequest" : {"ShipmentService		emitTo": {"Name": ""}}}}
Name	Required: Yes Type: String Max Allowed: 1 Length: 35	The payee company name for the COD charges.
{"FreightRateRequest": {"ShipmentService	ceOptions": {"COD": {"R	emitTo": {"Address": {}}}}}
Address	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Address Container.

Name	Constraint	Description
{"FreightRateRequest" : {"ShipmentServ	iceOptions": {"COD": {"R	emitTo": {"Address": {"AddressLine": "" }}}}
AddressLine	Required: Yes Type: String Max Allowed: 3 Length: 35	Payee Street address for the COD charges.
{"FreightRateRequest" : {"ShipmentServ	iceOptions": {"COD": {"R	emitTo": {"Address": {"City": ""}}}}
City	Required: Yes Type: String Max Allowed: 1 Length: 30	Payee city code for the COD charges.
{"FreightRateRequest" : {"ShipmentServ	iceOptions": {"COD": {"R	emitTo": {"Address": {"StateProvinceCode": ""}}}}
StateProvinceCode	Required: No Type: String Max Allowed: 1 Length: 5	Payee state or province code for the COD charges.
{"FreightRateRequest" : {"ShipmentServ	iceOptions": {"COD": {"R	emitTo": {"Address": {"Town": ""}}}}
Town	Required: No Type: String Max Allowed: 1 Length: 30	Payee town code for the COD charges.
{"FreightRateRequest" : {"ShipmentServ		emitTo": {"Address": {"PostalCode": ""}}}}
PostalCode	Required: No Type: String Max Allowed: 1 Length: 10	Payee postal code for the COD charges.
{"FreightRateRequest" : {"ShipmentServ		emitTo": {"Address": {"CountryCode": ""}}}}
CountryCode	Required: Yes Type: String Max Allowed: 1 Length: 2	Payee country or territory code for the COD charges.
{"FreightRateRequest" : {"ShipmentServ		emitTo": {"AttentionName": ""}}}
AttentionName	Required: No Type: String Max Allowed: 1 Length: 35	Payee contact name for the COD charges.
{"FreightRateRequest" : {"ShipmentServ		Goods": {}}}}
DangerousGoods	Required: No Type: Container Max Allowed: 1 Length: N/A	DangerousGoods Container.
{"FreightRateRequest" : {"ShipmentServ	iceOptions": {"DangerousC	Goods": {"Name": ""}}}}
Name	Required: Yes* Type: String Max Allowed: 1 Length: 35	The contact name for question re: Dangerous Goods.
{"FreightRateRequest" : {"ShipmentServ		Goods": {"Phone": {}}}}}
Phone	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	Phone Container.
{"FreightRateRequest" : {"ShipmentServ	iceOptions": {"DangerousC	Goods": {"Phone": {"Number":"" }}}}
Number	Required: Yes Type: String Max Allowed: 1 Length: 15	The contact phone number for question re: Dangerous Goods

Name	Constraint	Description
{"FreightRateRequest" : {"ShipmentServ	iceOptions": {"Dangerous@	Goods": {"Phone": {"Extension":""}}}
Extension	Required: No Type: String Max Allowed: 1 Length: 4	The contact phone extension for question re: Dangerous Goods
{"FreightRateRequest" : {"ShipmentServ	iceOptions": {"Dangerous@	Goods": {"TransportationMode": {}}}}
TransportationMode	Required: No Type: Container Max Allowed: 1 Length: N/A	TransportationMode Container.
{"FreightRateRequest" : {"ShipmentServ	iceOptions": {"DangerousO	Goods": {"TransportationMode": {"Code": ""}}}
Code	Required: Yes* Type: String Max Allowed: 1 Length: 10	The code associated with the transportation mod for the dangerous goods.
{"FreightRateRequest" : {"ShipmentServ	iceOptions": {"SortingAndS	Segregating": {}}}}
SortingAndSegregating	Required: No Type: Container Max Allowed: 1 Length: N/A	SortingAndSegregating Container.
{"FreightRateRequest" : {"ShipmentServ	iceOptions": {"SortingAndS	Segregating": {"Quantity": ""}}}
Quantity	Required: Yes* Type: String Max Allowed: 1 Length: 6	Quantity of units to be sorted/segregated.
{"FreightRateRequest" : {"ShipmentServ	iceOptions": {"ExcessDecla	aredValue": {}}}}
ExcessDeclaredValue	Required: No Type: Container Max Allowed: 1 Length: N/A	ExcessDeclaredValue Container.
{"FreightRateRequest" : {"ShipmentServ	iceOptions": {"ExcessDecla	aredValue": {"CurrencyCode": ""}}}
CurrencyCode	Required: No Type: String Max Allowed: 1 Length: 3	Excess Declared value amount currency type. Valid value: USD - United States Dollar
{"FreightRateRequest" : {"ShipmentServ		aredValue": {"MonetaryValue": "}}}}
MonetaryValue	Required: Yes Type: String Max Allowed: 1 Length: 119	Excess Declared value amount.
{"FreightRateRequest" : {"ShipmentServ	iceOptions": {"HandlingCh	arge": {}}}
HandlingCharge	Required: No Type: Container Max Allowed: 1 Length: N/A	HandlingCharge Container.
{"FreightRateRequest" : {"ShipmentServ		arge": {"Percentage": ""}}}}
Percentage	Required: Cond Type: String Max Allowed: 1 Length: 7	Percentage amount consistent with the handling charge.
{"FreightRateRequest": {"ShipmentServ	iceOptions": {"HandlingCha	arge": {"Amount": {}}}}}
Amount	Required: Cond Type: Container Max Allowed: 1 Length: N/A	HandlingCharge Amount Container. Either Percentage or Amount needs to be present, not both.

Name	Constraint	Description
{"FreightRateRequest" : {"ShipmentSe	erviceOptions": {"HandlingCh	arge": {"Amount": {"CurrencyCode": ""}}}}}
CurrencyCode	Required: Yes* Type: String Max Allowed: 1 Length: 3	Handling charge amount currency type.
{"FreightRateRequest" : {"ShipmentSe	erviceOptions": {"HandlingCh	arge": {"Amount": {"MonetaryValue": ""}}}}
MonetaryValue	Required: Yes* Type: String Max Allowed: 1 Length: 16	Handling Charge amount.
{"FreightRateRequest" : {"ShipmentSe	erviceOptions": {"FreezablePro	otectionIndicator" :""}}}
FreezableProtectionIndicator	Required: No Type: String Max Allowed: 1 Length: 0	The presence of the tag FreezableProtectionIndicator indicates that the customs clearance is required.
{"FreightRateRequest" : {"ShipmentSe	erviceOptions": {"ExtremeLeng	gthIndicator":""}}}
ExtremeLengthIndicator	Required: No Type: String Max Allowed: 1 Length: 0	The presence of the tag ExtremeLengthIndicator indicates that the customs clearance is required. It is recommended to provide 'LinearFeet' if this indicator is sent.
{"FreightRateRequest" : {"ShipmentSe	erviceOptions": {"LinearFeet":	.""}}}
LinearFeet	Required: No Type: String Max Allowed: 1 Length: 2	Dimensional length of the article(s), in 'feet'. Numeric value greater than '0' (Zero) should be given in LinearFeet. If Proper LinearFeet is not provided, accurate charge for extreme length articles might not be returned. If linear feet '0' (Zero) or any non-numeric/invalid character is sent, accurate charge for extreme length articles might not be returned. Ignored if ExtremeLengthIndicator is not present.
{"FreightRateRequest" : {"ShipmentSe	erviceOptions": {"AdjustedHeid	
AdjustedHeight	Required: No Type: Container Max Allowed: 1 Length: N/A	Adjusted Height container. Without the AdjustedHeightIndicator the container will be ignored
{"FreightRateRequest" : {"ShipmentSe	erviceOptions": {"AdjustedHei	ight ": {"Value":""}}}
Value	Required: Yes* Type: String Max Allowed: 1 Length: 119	Adjusted Height value for the handling unit.
{"FreightRateRequest" : {"ShipmentSe	erviceOptions": {"AdjustedHei	ight ": {"UnitOfMeasurement": {}}}}
UnitOfMeasurement	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	Unit of Measurement container for the Adjusted Height.
{"FreightRateRequest" : {"ShipmentSe		ight ": {"UnitOfMeasurement": {"Code": ""}}}
Code	Required: Yes Type: String Max Allowed: 1 Length: 2	Code associated with the Unit of Measurement for the Adjusted weight.
{"FreightRateRequest" : {"PickupRequ	uest" : {}}}	
PickupRequest	Required: No Type: Container Max Allowed: 1 Length: N/A	Container for PickupRequest

Name	Constraint	Description
{"FreightRateRequest" : {"PickupRequest" :	{"PickupDate" : ""}}}	· · · ·
PickupDate	Required: Yes* Type: String Max Allowed: 1 Length: 8	Date of the Pickup. Format: YYYYMMDD
	["AdditionalComments": ""}}}	
AdditionalComments	Required: No Type: String Max Allowed: 1 Length: 500	Additional Pickup comments or instructions.
{"FreightRateRequest" : {"AlternateRateOption	ns": {}}}	
AlternateRateOptions	Required: No Type: Container Max Allowed: 1 Length: N/A	Container to indicate that alternate rates are requested.
{"FreightRateRequest" : {"AlternateRateOption	ns": {"Code": ""}}}	
Code	Required: Yes* Type: String Max Allowed: 1 Length: 2	Code for the alternate rate type requested. Valid values: 1 = LTL only 2 = GFP only 3 = GFP and LTL
{"FreightRateRequest" : {"GFPOptions" : {}}}	<u>'</u>	
GFPOptions	Required: No Type: Container Max Allowed: 1 Length: N/A	GFP Options container.
{"FreightRateRequest" : {"GFPOptions" : {"G	PFAccesorialRateIndicator"	: "")}}
GPFAccesorialRateIndicator	Required: No Type: String Max Allowed: 1 Length: 0	Indicator for GFP accessorial rate indicator.
{"FreightRateRequest" : {"GFPOptions" : {"O	-	PickupIndicator" :""}}}}
OnCallPickupIndicator	Required: No Type: String Max Allowed: 1 Length: 0	The presence of OnCallPickupIndicator is to request on call pickup fee in response
{"FreightRateRequest" : {"HandlingUnitWeigh		
HandlingUnitWeight	Required: No Type: Container Max Allowed: 1 Length: N/A	Handling unit weight container.
{"FreightRateRequest" : {"HandlingUnitWeigh	nt": {"Value": ""}}}	
Value	Required: Yes Type: String Max Allowed: 1 Length: 9	Handling unit weight value for the shipment.
{"FreightRateRequest": {"HandlingUnitWeigh	-	: {}}}
UnitOfMeasurement	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Unit of Measurement container for the handling unit weight.
{"FreightRateRequest": {"HandlingUnitWeigh	nt": {"UnitOfMeasurement"	: {"Code": ""}}}
Code	Required: Yes Type: String Max Allowed: 1 Length: 3	Code associated with the Unit of Measurement for the handling unit weight.

Name	Constraint	Description
{"FreightRateRequest" : {"AdjustedWeight	ghtIndicator": ""}}	
{"FreightRateRequest" : {"AdjustedWeightIndicator} AdjustedWeightIndicator	Required: No Type: String Max Allowed: 1 Length: 0	Indicator used to specify if the user wants to subtract the handling unit weight. Defaults to false. When AdjustedWeightIndicator is set to "true": - If HandlingUnitWeight is present, the HandlingUnitWeight Value will be subtracted and prorated from the FreightLineItem Weight Value. The subtracted/prorated FreightLineItem Weight will be used for GFP rating. - If HandlingUnitWeight is not present and the AdjustedWeightValue is present, the adjusted weight value from the FreightLineItem object will be used to do a GFP rating request to UPGF. - If HandlingUnitWeight is not present and the AdjustedWeightValue is not present, the original weight from the FreightLineItem object will be used to do a GFP rating request to UPGF. In this case, the HandlingUnitWeight value is assume to be zero. AdjustedWeightIndicator set to "false": - The FreightLineItem.Weight will be used for bot LTL and GFP rating requests (current)
{"FreightRateRequest" : {"TimeInTransi	tIndicator" :""}}	functionality). The HandlingUnitWeight or the FreightLineItem.AdjustedWeight will not be used.
TimeInTransitIndicator	Required: No Type: String Max Allowed: 1 Length: 0	Presence of the tag indicates Time in Transit information is requested and will be returned.
{"FreightRateRequest" : {"HandlingUnit	s": {}}}	
HandlingUnits	Required: Cond Type: Container Max Allowed: Unbounded Length: N/A	Handling Unit for Density based rating container. Required if the Shipper is eligible for density based pricing.
{"FreightRateRequest" : {"HandlingUnit	s": {"Quantity": ""}}}	
Quantity	Required: Yes Type: String Max Allowed: 1 Length: 8	Handling Unit Quantity for Density based rating.
{"FreightRateRequest" : {"HandlingUnit	s": {"Type": {}}}}	
Туре	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Handling Unit Type for Density based rating.
{"FreightRateRequest" : {"HandlingUnit	s": {"Type": {"Code": ""}}}	
Code	Required: Yes Type: String Max Allowed: 1 Length: 3	The code associated with Handling Unit Type.
{"FreightRateRequest" : {"HandlingUnit	s": {"Dimensions": {}}}}	
Dimensions	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Dimension of the HandlingUnit container for density based pricing.

Name	Constraint	Description
UnitOfMeasurement	Required: Yes Type: Container Max Allowed: 1 Length: N/A	UnitOfMeasurement container.
{"FreightRateRequest" : {"HandlingUnits" : {"	'Dimensions": {"UnitOfMea	asurement": {"Code": ""}}}
Code	Required: Yes Type: String Max Allowed: 1 Length: 3	Code for UnitOfMeasurement for the line item dimension. Valid values: IN – Inches CM - Centimeters
{"FreightRateRequest" : {"HandlingUnits" : {"	'Dimensions": {"Length": "	"}}}}
Length	Required: Yes Type: String Max Allowed: 1 Length: 119	The length of the line item used to determine dimensional weight. Valid characters: 0-9 and "." (Decimal point). Maximum of 2 digits after the decimal. Maximum field length: 16 characters. The decimal ".", does not count as a character. Examples: 12345678912345.67
		123456789123456.7
		1234567891234567
	"Dimensions": {"Width": ""	
Width	Required: Yes Type: String Max Allowed: 1 Length: 119	The width of the line item used to determine dimensional weight. Format: See Length Description above.
{"FreightRateRequest" : {"HandlingUnits" : {"	'Dimensions": {"Height": "	······································
Height	Required: Yes Type: String Max Allowed: 1 Length: 119	The height of the line item used to determine dimensional weight. Format: See Length Description above.
{"FreightRateRequest" : {"AdjustedHeightIndi	cator" : ""}}	
AdjustedHeightIndicator	Required: No Type: String Max Allowed: 1 Length: 0	The presence of the AdjustedHeightIndicator indicates that allow the height reduction adjustment for density based rate request. Without the indicator the AdjustedHeight container will be ignored.
{"FreightRateRequest" : {"DensityEligibleIndic	cator" : ""}}	
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.
{"FreightRateRequest" : {"QuoteNumberIndic	ator" : ""}}	
QuoteNumberIndicator	Required: No Type: String Max Allowed: 1 Length: 0	The presence of this indicator means a Quote Number will be returned for this LTL Freight Rate quote request.

Response

Name	Constraint	Description
{"FreightRateResponse": {}}		
FreightRateResponse	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Freight Rate Response Container.
{"FreightRateResponse": {"Response":	{}}}	
Response	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Response Container.
{"FreightRateResponse": {"Response":	{"ResponseStatus" :{}}}}	
ResponseStatus	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Response Status Container.
{"FreightRateResponse": {"Response":	{"ResponseStatus" : {"Cod	le": _""}}}
Code	Required: Yes Type: String Max Allowed: 1 Length: 1	Identifies the success or failure of the transaction. 1 = Successful
{"FreightRateResponse": {"Response":	{"ResponseStatus" : {"Des	cription" :""}}}}
Description	Required: Yes Type: String Max Allowed: 1 Length: 135	Describes Response Status Code. Returns text of "Success" for a valid request.
{"FreightRateResponse": {"Response":	{"Alert": {}}}}	
Alert	Required: No Type: Container Max Allowed: Unbound Length: N/A	Alert Container. There can be zero to many alert containers with code and description.
{"FreightRateResponse": {"Response":	{"Alert": {"Code": ""}}}	
Code	Required: Yes* Type: String Max Allowed: 1 Length: 110	Warning code returned by the system.
{"FreightRateResponse": {"Response":	{"Alert": {"Description":	···· }}}
Description	Required: Yes* Type: String Max Allowed: 1 Length: 1150	Warning messages returned by the system.
{"FreightRateResponse": {"Response":	{"TransactionReference":	{}}}
TransactionReference	Required: No Type: Container Max Allowed: 1 Length: N/A	Transaction Reference Container.
{"FreightRateResponse": {"Response":	{"TransactionReference":	{"CustomerContext":""}}}}
CustomerContext	Required: No Type: String Max Allowed: 1 Length: 1512	The CustomerContext Information which will be echoed during response.
{"FreightRateResponse": {"Rate": {}}}		
Rate	Required: No Type: Container	Rate Container.

Name	Constraint	Description
	Max Allowed: Unbounded Length: N/A	
{"FreightRateResponse": {"Rate": {"Type"	: {}}}}	
Туре	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Rate Type Container
{"FreightRateResponse": {"Rate": {"Type"	: {"Code": ""}}}	
Code	Required: Yes Type: String Max Allowed: 1 Length: 10	The code associated with the rate type. 2 = Fuel Surcharge ADV_NOTF = Arrival Notification COD = C.O.D fee INDE_INPU = Inside Pickup /Delivery LIFTGATE = Liftgate Fee RESI_PU_DEL = Residential Pickup / Delivery HOL_WE_PU_DEL = Holiday/Weekend Pickup or Delivery SORT = Sorting and Segregation HAZMAT = Ground Freight Hazardous Materials Charge RMTLOC = Remote Location Fee CA_CSTM_MNFST = Custom Manifest Fee CA_BORDER = Border Processing Fee HICST = High Cost Service Area Surcharge DEFICITRATE = Deficit Rate DEFICITWGHT = Deficit Weight DFCT_AMT = Deficit Charge L_UPGF_016 = Custom Charge MINCHARGE = Minimum Charge Applies LND_GROSS = Gross Charges DSCNT_RATE = Discount Rate DSCNT = Discounted Amount AFTR_DSCNT = Amount After Discount OFUELSURCHG = Ocean Fuel Surcharge TOTO = Total Ocean Charges TOTI = Total Island Charges GUAR_SERVICE = Guaranteed service Charges LAPU_LADL = Limited Access Pickup/Delivery EXLT = Excessive Length PFFF = Freezable Protection EVIL = Excessive Declared Value
("Eroight Poto Pooponoo": ("Poto": ("Typo"	. ("Description" : ""))))	EXLI = Excess Declared Value
{"FreightRateResponse": {"Rate": {"Type"} Description	Required: Yes Type: String Max Allowed: 1 Length: 80	A text description of the code for the rate charge.
{"FreightRateResponse": {"Rate": {"Facto	·	
Factor	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Factor Container.
{"FreightRateResponse": {"Rate": {"Facto		
Value	Required: Yes Type: String Max Allowed: 1 Length: 16	Contains value pertaining to rate type code. For example, if discount rate is 25% then rate charge code will have code type as "DISCOUNT_RATE" and rate factor value will have 25.
{"FreightRateResponse": {"Rate": {"Facto	r": {"UnitOfMeasurement":	{}}}
UnitOfMeasurement	Required: No Type: Container	Unit of measurement container for factors related to Rate Types.

Name	Constraint	Description
	Max Allowed: 1 Length: N/A	
{"FreightRateResponse": {"Rate": {"Factor	r": {"UnitOfMeasurement":	{"Code": ""}}}
Code	Required: Yes Type: String Max Allowed: 1 Length: 3	This will contain measurement unit (e.g. LBS for weight, USD for dollar amount). Rate should have code type that pertains to Unit Of Measurement Code. For example: if rate type code has code type "DISCOUNT" then Unit Of Measurement Code should be "USD" to represent the measurement unit of discounted dollar amount.
{"FreightRateResponse": {"Rate": {"Factor	r": {"UnitOfMeasurement":	{"Description": ""}}}
Description	Required: No Type: String Max Allowed: 1 Length: 35	Description of unit of measurement code for rate factors
{"FreightRateResponse": {"FreightDensityR	Rate": {}}}	
FreightDensityRate	Required: cond Type: Container Max Allowed: 1 Length: N/A	FreightDensityRate container for Density based rating.
{"FreightRateResponse": {"FreightDensityF	Rate": {"Density":""}}}	
Density	Required: Yes Type: String Max Allowed: 1 Length: N/A	Density if the Shipper is eligible for Density based rate.
{"FreightRateResponse": {"FreightDensityF	Rate": {"TotalCubicFeet":""}	}}
TotalCubicFeet	Required: Yes Type: String Max Allowed: 1 Length: N/A	TotalCubic feet is returned if the Shipper is eligible for Density based rate.
{"FreightRateResponse": {"Commodity": {	}}}	
Commodity	Required: Yes Type: Container Max Allowed: 99 Length: N/A	Commodity Container.
{"FreightRateResponse": {"Commodity":	("CommodityID" :""}}	
CommodityID	Required: No Type: String Max Allowed: 1 Length: 35	Unique identifier for the commodity.
{"FreightRateResponse": {"Commodity":	{"Description" : "" }}}}	
Description	Required: Yes Type: String Max Allowed: 1 Length: 35	Description of the line item.
{"FreightRateResponse": {"Commodity":	("Weight": {}}}	
Weight	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Commodity Weight Container.
{"FreightRateResponse": {"Commodity":	("Weight": {"Value": ""}}}}	
Value	Required: Yes Type: String Max Allowed: 1 Length: 16	The value for the line item weight associated with the shipment.

Name	Constraint	Description
{"FreightRateResponse": {"Commod	lity": {"Weight": {"UnitOfMe	asurement": {}}}}
UnitOfMeasurement	Required: Yes Type: Container Max Allowed: 1 Length: N/A	CommodityWeight UnitOfMeasurement Container.
{"FreightRateResponse": {"Commod	lity": {"Weight": {"UnitOfMea	asurement": {"Code": ""}}}
Code	Required: Yes Type: String Max Allowed: 1 Length: 3	The code associated with the unit of measure for the line item.
{"FreightRateResponse": {"Commod	lity": {"Weight": {"UnitOfMea	asurement": {"Description": "" }}}}
Description	Required: No Type: String Max Allowed: 1 Length: 35	A text description of the code for the unit of measure associated with the line item.
{"FreightRateResponse": {"Commod	lity": {"AdjustedWeight":{}}}}	
AdjustedWeight	Required: No Type: Container Max Allowed: 1 Length: N/A	Adjusted Weight Container.
{"FreightRateResponse": {"Commod	dity": {"AdjustedWeight": {"\	/alue" : ""}}}}
Value	Required: Yes Type: String Max Allowed: 1 Length: 16	Adjusted weight value for the commodity.
{"FreightRateResponse": {"Commod	dity": {"AdjustedWeight": {"L	InitOfMeasurement": {}}}}
UnitOfMeasurement	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Unit of Measurement container for the Adjusted weight.
{"FreightRateResponse": {"Commod		InitOfMeasurement": {"Code": ""}}}
Code	Required: Yes Type: String Max Allowed: 1 Length: 3	Code associated with the Unit of Measurement for the Adjusted weight.
{"FreightRateResponse": {"Commod		JnitOfMeasurement": {"Description": ""}}}
Description	Required: No Type: String Max Allowed: 1 Length: 35	Description for the code associated with the Unit of Measurement for the Adjusted weight.
{"FreightRateResponse": {"TotalShip	mentCharge": {}}}	
TotalShipmentCharge	Required: No Type: Container Max Allowed: 1 Length: N/A	TotalShipmentCharge Container.
{"FreightRateResponse": {"TotalShip		de": ""}}}
CurrencyCode	Required: Yes Type: String Max Allowed: 1 Length: 3	Total shipment Charge currency code type.
{"FreightRateResponse": {"TotalShip	mentCharge": {"MonetaryVa	lue": ""}}}
MonetaryValue	Required: Yes Type: String Max Allowed: 1 Length: 16	Total shipment charge.

Name	Constraint	Description
{"FreightRateResponse":	{"BillableShipmentWeight": {}}}	<u>'</u>
BillableShipmentWeight	Required: No Type: Container Max Allowed: 1 Length: N/A	BillableShipmentWeight Container.
{"FreightRateResponse":	{"BillableShipmentWeight": {"Val	ue": ""}}}
Value	Required: Yes Type: String Max Allowed: 1 Length: 16	The value for the billable weight associated with the shipment.
{"FreightRateResponse":	{"BillableShipmentWeight": {"Uni	tOfMeasurement": {}}}}
UnitOfMeasurement	Required: Yes Type: Container Max Allowed: 1 Length: N/A	UnitOfMeasurement Container.
{"FreightRateResponse":	{"BillableShipmentWeight": {"Uni	tOfMeasurement": {"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.
{"FreightRateResponse":	{"BillableShipmentWeight": {"Uni	tOfMeasurement": {"Description": "" }}}
Description	Required: No Type: String Max Allowed: 1 Length: 35	The description for the billable weight associated with the shipment.
{"FreightRateResponse":	{"DimensionalWeight": {}}}	
DimensionalWeight	Required: No Type: Container Max Allowed: 1 Length: N/A	DimensionalWeight Container.
{"FreightRateResponse":		""}}}
Value	Required: Yes* Type: String Max Allowed: 1 Length: 5	The value for the dimensional weight associated with the shipment.
{"FreightRateResponse":	{"DimensionalWeight" : {"UnitOfN	leasurement": {}}}}
UnitOfMeasurement	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	UnitOfMeasurement Container.
{"FreightRateResponse":	{"DimensionalWeight": {"UnitOfM	leasurement": {"Code": ""}}}
Code	Required: Yes Type: String Max Allowed: 1 Length: 2	The code associated with the unit of measure for the dimensional weight of a shipment.
{"FreightRateResponse":		/leasurement": {"Description": "" }}}}
Description	Required: No Type: String Max Allowed: 1 Length: 35	The description for the dimensional weight associated with the shipment.
{"FreightRateResponse":	{"Service": {}}}	
Service	Required: No Type: Container Max Allowed: 1 Length: N/A	Service Container.

Name	Constraint	Description
{"FreightRateResponse": {"Servi	ice": {"Code": ""}}}	
Code	Required: Yes* Type: String Max Allowed: 1 Length: 3	The code for the UPS Service associated with the shipment
{"FreightRateResponse": {"Servi	ice": {"Description": ""}}}	
Description	Required: No Type: String Max Allowed: 1 Length: 35	A text description of the UPS Service associated with the shipment.
{"FreightRateResponse" : {"Guara	anteedIndicator" :""}}	
GuaranteedIndicator	Required: No Type: String Max Allowed: 1 Length: N/A	This is an empty tag. The presence of the indicator indicates the rate returned is guaranteed.
{"FreightRateResponse": {"Minim		""}}
MinimumChargeAppliedIndicator	Required: No Type: String Max Allowed: 1 Length: N/A	This is an empty tag. The presence of the tag indicates the rate returned has a minimum charge applied to it.
{"FreightRateResponse": {"Altern	nateRatesResponse": {}}}	
AlternateRatesResponse	Required: No Type: Container Max Allowed: Unbounded Length: N/A	Container for alternate rates including FRS rates
{"FreightRateResponse": {"Altern	nateRatesResponse":{"Alter	rnateRateType" :{}}}}
AlternateRateType	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	Container for the type of alternate rate
{"FreightRateResponse" : {"Altern		rnateRateType": {"Code": ""}}}}
Code	Required: Yes* Type: String Max Allowed: 1 Length: 2	Code for the Alternate Rate Type. 1 = LTL only 2 = GFP only 3 = GFP and LTL
{"FreightRateResponse" : {"Altern		rnateRateType": {"Description": ""}}}
Description	Required: No Type: String Max Allowed: 1 Length: 135	Alternate Rate Type description.
{"FreightRateResponse" : {"Altern	nateRatesResponse": {"Rate	e": {}}}}
Rate	Required: Yes* Type: Container Max Allowed: Unbounded Length: N/A	Rate Container.
{"FreightRateResponse": {"Altern		e": {"Type": {}}}}
Туре	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Rate Type Container
{"FreightRateResponse": {"Altern		e": {"Type": {"Code": ""}}}
Code	Required: Yes Type: String Max Allowed: 1 Length: 10	The code associated with the rate type. Refer to Rate Type Codes in the Appendix for valid values.

Name	Constraint	Description
{"FreightRateResponse": {"A	AlternateRatesResponse": {"R	Rate": {"Type": {"Description": "" }}}}
Description	Required: Yes Type: String Max Allowed: 1 Length: 80	A text description of the code for the rate charge.
{"FreightRateResponse": {"A	ulternateRatesResponse": {"R	Rate": {"SubTypeCode":""}}}}
SubTypeCode	Required: No Type: String Max Allowed: 1 Length: 3	The subtype of itemized charges rate type. Please look at Appendix 1
{"FreightRateResponse": {"A	ulternateRatesResponse": {"R	Rate": {"Factor": {}}}}}
Factor	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Factor Container.
{"FreightRateResponse": {"A		Rate": {"Factor": {"Value": ""}}}}
Value	Required: Yes Type: String Max Allowed: 1 Length: 16	Contains value pertaining to rate type code. For example: if the discount rate is 25% then the rate charge code will have code type as "DISCOUNT_RATE" and rate factor value will have 25.
{"FreightRateResponse": {"A	AlternateRatesResponse": {"R	Rate": {"Factor": {"UnitOfMeasurement": {}}}}}
UnitOfMeasurement	Required: No Type: Container Max Allowed: 1 Length: N/A	Unit of measurement container for factors related to Rate Types.
{"FreightRateResponse": {"A	AlternateRatesResponse": {"R	Rate": {"Factor": {"UnitOfMeasurement": {"Code": ""}}}
Code	Required: Yes Type: String Max Allowed: 1 Length: 3	This will contain measurement unit (e.g. LBS for weight, USD for dollar amount). Rate should have a code type that pertains to Unit Of Measurement Code. For example: if rate type code has code type of "DISCOUNT" then Unit Of Measurement Code should be "USD" to represent the measurement unit of discounted dollar amount.
{"FreightRateResponse": {"A	AlternateRatesResponse": {"R	Rate": {"Factor": {"UnitOfMeasurement": {"Description": "
Description	Required: No Type: String Max Allowed: 1 Length: 35	Description of unit of measurement code for rate factors
{"FreightRateResponse": {"A		reightDensityRate": {}}}}
FreightDensityRate	Required: cond Type: Container Max Allowed: 1 Length: N/A	FreightDensityRate container.
{"FreightRateResponse": {"A		reightDensityRate": {"Density": ""}}}}
Density	Required: Yes Type: String Max Allowed: 1 Length: N/A	Density is returned if the Shipper is eligible for Density based rate.
{"FreightRateResponse": {"A		reightDensityRate": {"TotalCubicFeet": ""}}}}
TotalCubicFeet	Required: Yes Type: String Max Allowed: 1 Length: N/A	TotalCubic feet is returned if the Shipper is eligible for Density based rate.

Name	Constraint	Description
{"FreightRateResponse":	{"AlternateRatesResponse": {"Bil	llableShipmentWeight": {}}}
BillableShipmentWeight	Required: No Type: Container Max Allowed: 1 Length: N/A	BillableShipmentWeight Container.
		IlableShipmentWeight": {"Value": ""}}}}
Value	Required: Yes Type: String Max Allowed: 1 Length: 16	The value for the billable weight associated with the shipment.
{"FreightRateResponse":	{"AlternateRatesResponse": {"Bi	IllableShipmentWeight": {"UnitOfMeasurement": {}}}}
UnitOfMeasurement	Required: Yes Type: Container Max Allowed: 1 Length: N/A	UnitOfMeasurement Container.
{"FreightRateResponse" : ""}}}	{"AlternateRatesResponse": {"Bil	<pre>IlableShipmentWeight": {"UnitOfMeasurement": {"Code":</pre>
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.
{"FreightRateResponse" : {"Description" : "" }}}}	{"AlternateRatesResponse": {"Bil	llableShipmentWeight": {"UnitOfMeasurement":
Description	Required: No Type: String Max Allowed: 1 Length: 35	The description for the billable weight associated with the shipment.
{"FreightRateResponse":	{"AlternateRatesResponse": {"Tir	meInTransit": {}}}}
TimeInTransit	Required: No Type: Container Max Allowed: 1 Length: N/A	Time In transit information.
{"FreightRateResponse":	{"AlternateRatesResponse": {"Tir	meInTransit": {"DaysInTransit": ""}}}}
DaysInTransit	Required: Yes* Type: String Max Allowed: 1 Length: N/A	Number of days in transit.
{"FreightRateResponse":		
TimeInTransit	Required: No Type: Container Max Allowed: 1 Length: N/A	Time In transit information.
{"FreightRateResponse":	{"TimeInTransit": {"DaysInTransit"	" .""}}}
DaysInTransit	Required: Yes* Type: String Max Allowed: 1 Length: N/A	Number of days in transit.
{"FreightRateResponse":		
HandlingUnits	Required: No Type: Container Max Allowed: 1 Length: N/A	Handling Unit Container for Density based rating. Returned if Shipper is eligible for density based pricing.
{"FreightRateResponse":	{"HandlingUnits": {"Quantity": ""	}}}}
Quantity	Required: Yes Type: String Max Allowed: 1 Length: 8	Handling Unit Quantity for Density based rating.

Name	Constraint	Description
{"FreightRateResponse": {"Hai	ndlingUnits": {"Type": {}}}	
Туре	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Handling Unit Type for Density based rating.
{"FreightRateResponse": {"Ha	ndlingUnits": {"Type": {"Cod	le": ""}}}
Code	Required: Yes Type: String Max Allowed: 1 Length: 3	The code associated with Handling Unit Type. Refer to Handling Codes in the Appendix for valid values.
{"FreightRateResponse": {"Ha	ndlingUnits": {"Type": {"Des	cription": "" }}}
Description	Required: No Type: String Max Allowed: 1 Length: 135	A description of the code for the Handling Unit type.
{"FreightRateResponse": {"Hai		()) }
Dimensions	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Dimension of the HandlingUnit container for density based pricing.
{"FreightRateResponse": {"Ha	ndlingUnits": {"Dimensions":	{"UnitOfMeasurement": {}}}}
UnitOfMeasurement	Required: Yes Type: Container Max Allowed: 1 Length: N/A	UnitOfMeasurement container.
{"FreightRateResponse": {"Ha	ndlingUnits": {"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
{"FreightRateResponse": {"Hai	ndlingUnits": {"Dimensions":	{"UnitOfMeasurement": {"Description": "" }}}}
Description	Required: No Type: String Max Allowed: 1 Length: 135	Description for UnitOfMeasurement for the line item dimension.
{"FreightRateResponse": {"Hai		{"Length": ""}}}}
Length	Required: Yes Type: String Max Allowed: 1 Length: 119	The length of the line item used to determine dimensional weight. Valid characters: 0-9 and "." (Decimal point). Maximum of 2 digits after the decimal. Maximum field length: 16 characters. The decimal ".", does not count as a character. Examples: 12345678912345.67
		123456789123456.7
		1234567891234567
{"FreightRateResponse": {"Har	ndlingUnits": {"Dimensions":	{"Width": ""}}}
Width	Required: Yes Type: String Max Allowed: 1 Length: 119	The width of the line item used to determine dimensional weight. Format: See Length Description.
{"FreightRateResponse": {"Ha		{"Height": ""}}}}
Height	Required: Yes Type: String	The height of the line item used to determine dimensional weight. Format: See Length Description.

Name	Constraint	Description
	Max Allowed: 1 Length: 119	
{"FreightRateResponse": {"Hai	ndlingUnits": {"AdjustedHeig	ht": {}}}
AdjustedHeight	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Adjusted Height Container.
{"FreightRateResponse": {"Hai	ndlingUnits": {"AdjustedHeig	ht ": {"Value": ""}}}}
Value	Required: Yes Type: String Max Allowed: 1 Length: 119	Adjusted Height value for the handling unit.
{"FreightRateResponse": {"Hai	ndlingUnits": {"AdjustedHeig	ht ": {"UnitOfMeasurement": {}}}}}
UnitOfMeasurement	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Unit of Measurement container for the Adjusted height.
{"FreightRateResponse": {"Hai	ndlingUnits": {"AdjustedHeig	ht ": {"UnitOfMeasurement": {"Code": ""}}}
Code	Required: Yes Type: String Max Allowed: 1 Length: 3	Code associated with the Unit of Measurement for the Adjusted weight.
{"FreightRateResponse": {"Hai	ndlingUnits": {"AdjustedHeig	ht ": {"UnitOfMeasurement": {"Description": "" }}}}
Description	Required: No Type: String Max Allowed: 1 Length: 135	Description for the code associated with the Unit of Measurement for the Adjusted weight.
{"FreightRateResponse": {"Quo	oteNumber" :""}}	
QuoteNumber	Required: No Type: String Max Allowed: 1 Length: 9	The Quote Number returned in the response associated to the specific LTL Freight Rate returned in the response.

API Sample Scenario

Scenario:

Client application is requesting an ground freight rate request with version v1 and requestOption ground

```
Method
               POST
Header
               Content-Type: application/json
Elements
               Accept: application/json
               Username: username
               Password: password
               AccessLicenseNumber: accesslicensenumber
Path
               Version: v1
parameters
               requestOption: ground
              https://onlinetools.ups.com/ship/v1/freight/rating/ground
Example URL
Example
Request
                "FreightRateRequest": {
                 "ShipFrom": {
                  "Name": "Test US Shipper",
                  "Address": {
                   "AddressLine": "123 Lane",
                   "City": "TIMONIUM",
                   "StateProvinceCode": "MD",
                   "PostalCode": "21093",
                   "CountryCode": "US",
                   "ResidentialAddressIndicator": ""
                  },
                  "AttentionName": "Test Shipper",
                  "Phone": {
                   "Number": "4444444444,
                   "Extension": "4444"
                  },
                  "EMailAddress": "gcc0htq@ups.com"
                 },
                 "ShipperNumber": "AT0123",
                 "ShipTo": {
                  "Name": "Dilbert\u0027s Derbies",
                  "Address": {
                   "AddressLine": "555 Main St",
                   "City": "LOUISVILLE",
```

```
"StateProvinceCode": "KY",
  "PostalCode": "40201",
  "CountryCode": "US"
 },
 "AttentionName": "Dilbert",
 "Phone": {
  "Number": "8459865555"
 }
},
"PaymentInformation": {
 "Payer": {
  "Name": "Test US Shipper",
  "Address": {
   "AddressLine": "123 Lane",
   "City": "LUTHERVILLE TIMONIUM",
   "StateProvinceCode": "MD",
   "PostalCode": "21093",
   "CountryCode": "US"
  "ShipperNumber": "AT0123",
  "AccountType": "1",
  "AttentionName": "Test Shipper",
  "Phone": {
   "Number": "444444444,",
   "Extension": "4444"
  "EMailAddress": "gcc0htq@ups.com"
 "ShipmentBillingOption": {
  "Code": "10"
 }
},
"Service": {
 "Code": "308"
},
"Commodity": {
 "Description": "FRS-Freight",
 "Weight": {
  "UnitOfMeasurement": {
   "Code": "LBS"
  },
```

```
"Value": "150"
                   },
                   "Dimensions": {
                    "UnitOfMeasurement": {
                     "Code": "IN",
                     "Description": " "
                    "Length": "9",
                    "Width": "5",
                    "Height": "4"
                   },
                   "NumberOfPieces": "1",
                   "PackagingType": {
                    "Code": "PLT"
                   },
                   "FreightClass": "60"
                 },
                  "DensityEligibleIndicator": "",
                  "AlternateRateOptions": {
                   "Code": "3"
                 },
                  "PickupRequest": {
                   "PickupDate": "20170923"
                 },
                  "GFPOptions": {
                   "GPFAccesorialRateIndicator": ""
                 },
                  "TimeInTransitIndicator": ""
                }
                // SUCCESS RESPONSE
Example
Response
                  "FreightRateResponse": {
                    "Response": {
                       "ResponseStatus": {
                         "Code": "1",
                         "Description": "Success"
                      },
                       "Alert": [
```

```
"Code": "9369054",
       "Description": "User is not registered with UPS Ground Freight."
    },
    {
       "Code": "9369055",
       "Description": "User is not eligible for contract rates."
    },
       "Code": "9369080",
       "Description": "Time in Transit (for FRS/GFP) information not available at this time."
    }
  ],
  "TransactionReference": {
     "CustomerContext": "test",
     "TransactionIdentifier": "xwsspta21dg7HtJj4gW7tR"
  }
},
"Rate": [
  {
     "Type": {
       "Code": "2",
       "Description": "2"
    },
     "Factor": {
       "Value": "117.24",
       "UnitOfMeasurement": {
          "Code": "USD"
       }
    }
  },
     "Type": {
       "Code": "LND_GROSS",
       "Description": "LND_GROSS"
    },
     "Factor": {
       "Value": "457.98",
       "UnitOfMeasurement": {
          "Code": "USD"
       }
    }
```

```
},
  {
     "Type": {
       "Code": "AFTR_DSCNT",
       "Description": "AFTR_DSCNT"
    },
    "Factor": {
       "Value": "457.98",
       "UnitOfMeasurement": {
         "Code": "USD"
      }
    }
  }
],
"Commodity": {
  "Description": "FRS-Freight",
  "Weight": {
     "Value": "150",
    "UnitOfMeasurement": {
       "Code": "LBS"
    }
  },
  "AdjustedWeight": {
     "Value": "150",
    "UnitOfMeasurement": {
       "Code": "LBS"
    }
  }
},
"TotalShipmentCharge": {
  "CurrencyCode": "USD",
  "MonetaryValue": "575.22"
},
"BillableShipmentWeight": {
  "Value": "150",
  "UnitOfMeasurement": {
     "Code": "LBS"
  }
},
"DimensionalWeight": {
  "Value": "0",
```

```
"UnitOfMeasurement": {
    "Code": "LBS"
 }
},
"Service": {
  "Code": "308"
"GuaranteedIndicator": "",
"MinimumChargeAppliedIndicator": "",
"AlternateRatesResponse": {
  "AlternateRateType": {
    "Code": "1",
    "Description": "FRS Rate"
 },
  "Rate": [
    {
      "Type": {
         "Code": "FRS_TOTAL_ACCS_SUR_CHARGE_COMBO",
         "Description": "FRS_TOTAL_ACCS_SUR_CHARGE_COMBO"
      },
      "Factor": {
         "Value": "137.60"
      }
    },
      "Type": {
        "Code": "FRS_SHIPMENT_LEVEL_GROSS",
        "Description": "FRS_SHIPMENT_LEVEL_GROSS"
      },
      "Factor": {
         "Value": "457.98"
      }
    },
    {
      "Type": {
         "Code": "FRS_SHIPMENT_LEVEL_DISCOUNT_AMOUNT",
         "Description": "FRS_SHIPMENT_LEVEL_DISCOUNT_AMOUNT"
      },
      "Factor": {
         "Value": "366.38"
      }
```

```
},
  {
    "Type": {
      "Code": "FRS_SHIPMENT_LEVEL_DISCOUNT_RATE",
      "Description": "FRS_SHIPMENT_LEVEL_DISCOUNT_RATE"
    },
    "Factor": {
      "Value": "80.00",
      "UnitOfMeasurement": {
        "Code": "%"
      }
    }
  },
    "Type": {
      "Code": "FRS_SHIPMENT_LEVEL_NET_CHARGE",
      "Description": "FRS_SHIPMENT_LEVEL_NET_CHARGE"
    },
    "Factor": {
      "Value": "91.60"
    }
  },
  {
    "Type": {
      "Code": "FRS_PACKAGELEVEL_ACCESSORIAL_TOTAL",
      "Description": "FRS_PACKAGELEVEL_ACCESSORIAL_TOTAL"
    },
    "Factor": {
      "Value": "46.00"
    }
  },
    "Type": {
      "Code": "FRS_ADDITIONAL_HANDLING",
      "Description": "FRS_ADDITIONAL_HANDLING"
    },
    "Factor": {
       "Value": "46.00"
    }
  }
],
```

```
"BillableShipmentWeight": {
                          "Value": "151",
                          "UnitOfMeasurement": {
                            "Code": "LBS"
                          }
                       }
                     "RatingSchedule": {
                       "Code": "02",
                       "Description": "Published Rates"
                     },
                     "TimeInTransit": {
                       "DaysInTransit": "2"
                    }
                  }
Example Error (
Response
                  "response": {
                     "errors": [
                       {
                          "code": "9380000",
                          "message": "Freight Rate Web Service is Unavailable"
                       }
                    ]
                  }
```

Chapter 5: Ground Freight API FAQs

Category	Question	Answer
3rd Party/ Freight Collect Rating	What is the difference in the Rating Package API and the Rating LTL Freight API when viewing Negotiated rates?	In order for you to see your negotiated rates for LTL Freight, the postal code must match the payer and the set-up account postal.
Fuel Surcharge	Is the Fuel Surcharge listed as a separate line item in the response for the Rating API for LTL?	Yes. The fuel surcharge is listed as a separate line item within the response.
LTL Shipping	What are the supported LTL Freight countries and territories?	LTL Freight country or territory origins include US, CA & MX. The US territory means the contiguous 48 states of the US and Washington DC. While we service Hawaii, Alaska, Guam, Puerto Rico and the US Virgin Islands, those rates can only be obtained by calling UPS Freight Customer Service at (800) 333-7400.
Maximum Shipment Weight	What is the maximum shipment weight for LTL Freight?	The maximum LTL weight is 19,999 lbs. Anything 20,000 lbs. or over is considered a Truckload (TL) movement. Our public rate engine will not return a rate on shipments weighing equal to or more than 19,999lbs. Instead, the user gets the following message. Rate a Shipment is not available for this shipment. Please call Customer Service for assistance with this rate.
Rating	Is Pallet Rating supported?	Pallet rating is not supported for online rating.
Rating	Does the API rate offshore shipments?	No. Please call Customer Service for offshore rating.
Rates	Are there any rate structures that are not allowable for LTL Freight?	No.
Rates	I have CZAR rates, are they available for use with the LTL Freight Rating or Shipping APIs?	Yes. Czar and Czar Lite rate structures are permitted for use with the Rating or Shipping API for LTL Freight UPS Freight approval required.
Rates	Is 3rd Party or Freight Collect available through the Rating or Shipping APIs?	Yes. The LTL Freight Rating and Shipping APIs are only available for the customer that is paying the invoice. However, the Shipper, Consignee, or the 3rd Party could create a Bill of Lading.
Rates	What rates can be returned using the rating API?	Published rates based on the UPS560 tariff or a contract rate negotiated with UPS Freight.
Rates	Can I choose the rate I want returned in the rate request?	No. The API supports a single rate type based on your setup with UPS Freight. Examples: 1 – You do not have a negotiated rate contract with UPS Freight; Published rates will be returned. 2 – You have a negotiated rate contract with UPS Freight; your negotiated rate will be returned.

Category	Question	Answer
ava	Is Time in Transit available through the	Yes, Time in Transit (Days in Transit) is available in the Ground Freight Ship and Ground Freight Rate Web Service.
	LTL Freight Rating or Shipping APIs?	The API's return the number of days from the origin to the destination. The days do not take into account Weekends or Holidays.
Maximum Linear Feet	What is the maximum Linear feet allowed for LTL Ground Freight?	The maximum dimensional length of the extreme length articles is 26 feet. The max allowed may change in the future based on Ground Freight business rules.
		Please contact UPS Freight Customer Service at 800-333-7400 for assistance
GF (LTL) Rating	How can I add locations to a contract? Do I need to work through my UPS Freight Account Manager?	Yes. Please contact our Freight sales representative to ensure accounts and locations are added to the UPS Freight LTL negotiated rates. For more information, visit UPS Freight.
GF (LTL) Rating	Can I use any combination of origin/destination postal codes to receive ABR with Rating - Ground Freight API?	Rating API - Ground Freight does not behave like the Rating API - Package. In order to see negotiated rates for freight, the origin postal code must match the postal code on file with UPS Freight. When the correct origin postal code is not used the response will not include the correct rates.
General	Is phone support provided for the UPS Developer Kit - Developer APIs? If so, what is the number and what are the hours of operation?	Phone support is provided for very basic API questions. Questions that cannot be answered verbally will be directed to the email support form at ups.com. Please go to the Developer Resource Center on ups.com for more information.
General	How do I get technical support for the APIs at ups.com?	Go to ups.com. Under the Help Center, select Technology Support. Under Tools and Resources click on Developer Resource Center. If your questions are not answered on this page, then click on email UPS.

Appendices

Error Codes

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.

HTTP Status Codes

Code	Message	Description
200	ОК	Success: Everything is working
400	Bad Request	The request was invalid or cannot be served. The exact error should be explained in the error payload. E.g. The JSON is not valid"
401	Unauthorized	The request requires authentication
404	Not found	URL does not exist or resource not found
405	Method not allowed	Method not allowed
500	An internal server error occurred	An internal server error occurred; API developers should avoid this error. If an error occurs in the global catch blog, the stracktrace should be logged and not returned as response.
503	Internal Server Error	The service/resource is not available. There are external component DOWN issues that the client will not be able to resolve

Common Error Codes

Code	HTTP Status	Description
10013	400	The message is too large to be processed by the Application.
20001	500	General process failure.
20002	400	The specified service name, {0}, and version number, {1}, combination is invalid.
20003	400	Please check the server environment for the proper J2EE ws apis.
20006	400	Invalid request action.
20007	400	Missing Required field, {0}.
20008	400	The field, {0}, contains invalid data, {1}.
20012	400	The Client Information exceeds its Maximum Limit of {0}.
250001	401	Invalid Access License for the tool. Please re-license.
250002	401	Invalid Authentication Information.
250003	401	Invalid Access License number.
250005	401	No Access and Authentication Credentials provided.
250006	401	The maximum number of user access attempts was exceeded.
250009	401	License Number not found in the UPS database.
250019	401	Invalid Field value.

Code	HTTP Status	Description
250050	500	License system not available.

Ground Freight Rate Error Codes

Error Code	HTTP Status	Description
9360079	400	UPS Freight® LTL Guaranteed A.M. service is not valid for the destination postal code you entered.
9360080	400	Shipment is not eligible for LTL guaranteed service.
9360081	400	Shipment is not eligible for UPS Freight® LTL Guaranteed A.M. service.
9360082	400	LTL guaranteed Service not available.
9360083	400	Invalid destination postal code, please verify and resubmit.
9360541	400	Missing or Invalid Pickup Date.
9360733	400	Invalid Tariff Point Code
9368780	400	Invalid ship date. Ship date should not be in the past.
9368781	400	Invalid numbers of handling units. Should be between 1 and 9999.
9368782	400	Invalid request type. Valid values are L, F, B and P.
9368783	400	Invalid request party. Valid values are S, C and T.
9368784	400	At least one shipment is required.
9368785	400	Please contact UPS Freight Customer Service for Rates at 800-333-7400.
9368786	400	Please contact UPS Freight Customer Service for Rates at 800-333-7400.
9368787	400	Invalid Ship From Address.
9368788	400	Shipment weight must be less than 10,000 lbs
9368789	400	Please contact UPS Freight Customer Service for Rates at 800-333-7400.
9368790	400	Weight unit of measure is invalid.
9368791	400	Please contact UPS Freight Customer Service for Rates at 800-333-7400
9369080	200	Time in Transit (for FRS/GFP) information not available at this time.
9369081	200	Time in Transit (for FRS/ GFP) request details are invalid.
9369082	200	Pickup date to calculate Time in Transit (for FRS/ GFP) has been changed.
9369083	200	Negotiated rates (for FRS/ GFP) are not available. Published rates are returned.
9369085	200	FRS/ GFP Accessorial rate details are unavailable.
9369087	200	FRS/ GFP Accessorial rate request is invalid. No rates returned.
9380000	500	Freight Rate Web Service is Unavailable.
9380001	400	Missing Ship From Phone
9380041	400	Missing or Invalid Shipper Number

Error Code	HTTP Status	Description
9380061	400	Missing or Invalid Account Type Code
9380101	400	Missing Payment Information
9380151	400	Missing Shipment Billing Option
9380201	400	Missing Service
9380216	400	Missing or Invalid Handling Unit One Quantity
9380217	400	Missing Handling Unit One
9380231	400	Missing or Invalid Handling Unit Two Quantity
9380232	400	Missing Handling Unit Two
9380240	400	Missing Shipment Total Weight Value
9380241	400	Missing the Unit of Measurement for Shipment Total Weight
9380242	400	Missing or Invalid Unit of Measurement Code for Shipment Total Weight
9380246	400	Missing Commodity {0} Weight
9380247	400	Missing Commodity {0} Weights Unit Of Measure
9380248	400	Missing Commodity {0} Dimension's Unit of Measurement
9380249	400	Missing Packaging Type of Commodity {0}
9380250	400	Missing Packaging Type of Commodity {0}
9380251	400	NMFC Commodity Prime Code is required when NMFC Commodity Sub Code is supplied for Commodity {0}
9380252	400	NMFCCommodity container and NMFCCommodityCode are mutually exclusive for Commodity {0}
9380253	400	Missing or Invalid Commodity {0} Adjusted Weight Value
9380254	400	Missing the Unit of Measurement for Commodity {0} Adjusted Weight
9380255	400	Missing or Invalid Unit of Measurement Code for Commodity {0} Adjusted Weight
9380262	400	Missing or Invalid Handling Unit Weight Value
9380263	400	Missing the Unit of Measurement for Handling Unit Weight
9380264	400	Missing or Invalid Unit of Measurement Code for Handling Unit Weight
9380301	400	Missing COD Value
9380302	400	Missing the COD Payment Method
9380303	400	Missing the COD Billing Option
9380304	400	Missing Remit To Address
9380305	400	Missing Remit To
9380316	400	Missing Overseas Leg Dimensions
9380317	400	Missing Unit of Measurement for Overseas Leg Dimensions
9380318	400	Missing or Invalid Overseas Leg Value

Error Code	HTTP Status	Description
9380319	400	Missing or Invalid Overseas Leg Volume
9380320	400	Missing or Invalid Overseas Leg Height
9380321	400	Missing or Invalid Overseas Leg Length
9380322	400	Missing or Invalid Overseas Leg Width
9380323	400	Missing or Invalid Monetary Value for Overseas Leg Price per Cubic Foot
9380324	400	Missing or Invalid Monetary Value for Overseas Leg Price per CWT
9380325	400	Invalid combination of CWT and Cube for the Overseas Leg service option
9380336	400	Invalid combination of Percentage and Value for Handling Charge service option
9380337	400	Missing Dangerous Goods Name
9380338	400	Missing Dangerous Goods Phone
9380339	400	Missing or Invalid Dangerous Goods Phone Number
9380340	400	Missing or Invalid Sorting and Segregating Quantity
9380341	400	Missing or Invalid Declared Value Monetary Value for Shipment Service Option
9380342	400	Missing or Invalid Declared Value Currency Code for Shipment Service Option
9380343	400	Missing or Invalid Customs Value Monetary Value for Shipment Service Option
9380344	400	Missing or Invalid Customs Value Currency Code for Shipment Service Option
9380345	400	Missing or Invalid Handling Charge Percentage
9380361	200	On-Call Pickup fee is currently unavailable.
9380362	200	On-Call Pickup Saturday Stop Charge is currently unavailable.
9380363	200	On-Call Pickup Saturday Stop Charge is not added as pickup area is not weekend service territory.
9380371	400	Missing or Invalid Payer Account Number supplied for FRS pricing
9380372	400	Payer Account Number not FRS enabled
9380373	400	Invalid Alternate Rate Option
9381000	400	Invalid Freight Rate Request Document
9389001	200	Payer Account Number required for FRS pricing
9389002	200	Payer Account Number not FRS enabled
9360654	400	Missing or Invalid Handling Unit {0} Quantity.
9360655	400	Missing or Invalid Handling Unit {0} Type Code.
9360656	400	Missing or Invalid Handling Unit {0} Dimension Length.
9360657	400	Missing or Invalid Handling Unit {0} Dimension Width.
9360658	400	Missing or Invalid Handling Unit {0} Dimension Height.
9360659	400	Missing or Invalid Unit of Measurement Code for Handling Unit {0}.