Shipping - Ground Freight - LTL

Web Service Developer Guide

August 5, 2016

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

- All screens or forms generated by your application including information received through the UPS Developer Kit APIs must include (1) the UPS Mark positioned in reasonable proximity to the Information and of an appropriate size to readily identify the source of the Information as UPS and (2) the following language at the bottom of every screen that displays the UPS Mark: "UPS, the UPS brand mark, and the Color Brown are trademarks of United Parcel Service of America, Inc. All Rights Reserved." Except as set forth in the preceding sentence, you have no right to use the UPS Mark without the prior written approval of UPS.

- You shall not use the UPS Mark in association with any third party trademarks in a manner that might suggest co-branding or otherwise create potential confusion as to source or sponsorship of the application, or ownership of the UPS Mark.

- The UPS Mark shall be used only as provided by UPS electronically or in hard copy form. The UPS Mark may not be altered in any manner, including proportions, colors, elements, etc., or animated, morphed or otherwise distorted in perspective or dimensional appearance.

- The UPS Mark may not be combined with any other symbols, including words, logos, icons, graphics, photos, slogans, numbers, or other design elements. A minimum amount of empty space must surround the UPS Mark separating it from any other object, such as type, photography, borders, edges, etc. The required area of empty space around the UPS Mark must be 1/3x, where x equals the height of the UPS Mark.

Copyright and Proprietary Notice

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

Display of Information

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

Notice

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

Copyright

Trademarks

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Table of Contents

Chapter 1: Introduction

In this document, you will find guidance and instructions for integrating the Shipping Ground Freight (GF) Web Service into your application, service, or system.

In this guide, you will find:

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

This guide applies to the following API:

- SOAP API for the Shipping Ground Freight Web Service

This guide does not apply to the following APIs:

- Shipping Package or Shipping Air Freight API's

Intended Audience

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

Required Knowledge & Skills

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

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

How to Use this Guide

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

Release Features

July 2016

No changes.

January 2016

Description
Rebranding of the US and MX services
• UPS Freight ® LTL will be rebranded o UPS$^{®}$ Standard LTL • New Service code - 349

Chapter 2: Understanding the Shipping Ground Freight API

Business Rules

General

- UPS expects schema elements/tags as defined in the XPath and presented in the schema structure without spelling or structural deviations. Elements/tags that are not defined in the schema or do not conform to the schema structure will be ignored by UPS.

- Only users that plan to ship packages manifested, tendered, and delivered by UPS can use the 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*.

Shipping Ground Freight Rules

- Ground Freight does not offer void, label recovery or return services.

- Ground Freight does not offer Paperless Invoice.

- Must be registered with a userid 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.

- All shipping and billing locations must be included in the Ground Freight registration.

- Requests for utilizing the Shipping 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 Shipping API, UPS Freight will request approval from the owning authority prior to completing the application request.

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.

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.

Integration Testing

For integration testing, direct your Shipping Ground Freight Web Service to:
https://wwwcie.ups.com/webservices/FreightShip

Production

Once testing is complete, direct your Shipping Ground Freight Web Service API to the production URL:

https://onlinetools.ups.com/webservices/FreightShip

Server Availability Check

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

To see this in action, type the following URL in your web browser:

https://wwwcie.ups.com/webservices/FreightShip

Server Name:	FreightShipWS
Remote User:	Null
Server Port:	443
Server Name:	wwwcie.ups.com
Servlet Path:	/FreightShip

Ground Freight Test Cases

Effective July 2016, a user no longer has to complete certification requirements to obtain production access to the Freight API's.

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:

Type	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

Output:

Type	Value
Total Freight Charges	450.74
Pickup Confirmation Number	WBU0000103451
BOL Number	9497669

Scenario 2 – Exception Pricing

Input:

Type	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	MO
Consignee (Destination) Zip	63025
Prepaid/Collect	P (Prepaid)
Weight (lb)	500
NMFC	16030 sub 1
Class	92.5

Output:

Type	Value
Disc	70%
Total Charges	$286.11

Scenario 3 – Regional Tier Pricing

Input:

Type	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

Output:

Type	Value
Disc	72%
Total Charges	$198.15

Scenario 4 – Accessorial Charge Exception

Input:

Type	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)

Output:

Type	Value
Disc	72%
Total Charges	$198.15

Scenario 5 – Canadian Pricing

Input:

Type	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

Output:

Type	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	MO
Consignee (Destination) Zip	63025
Prepaid/Collect	P (PREPAID)
Weight (lb)	500
Number of HandlingUnits	
Length	48
Width	48
Height	96

Output:

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:

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	MO
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

Output:

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

Element Constraints

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

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

Element constraints are defined as follows:

Required

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

Type

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

Length

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

Max Allowed

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

FreightShipRequest Top Level Containers
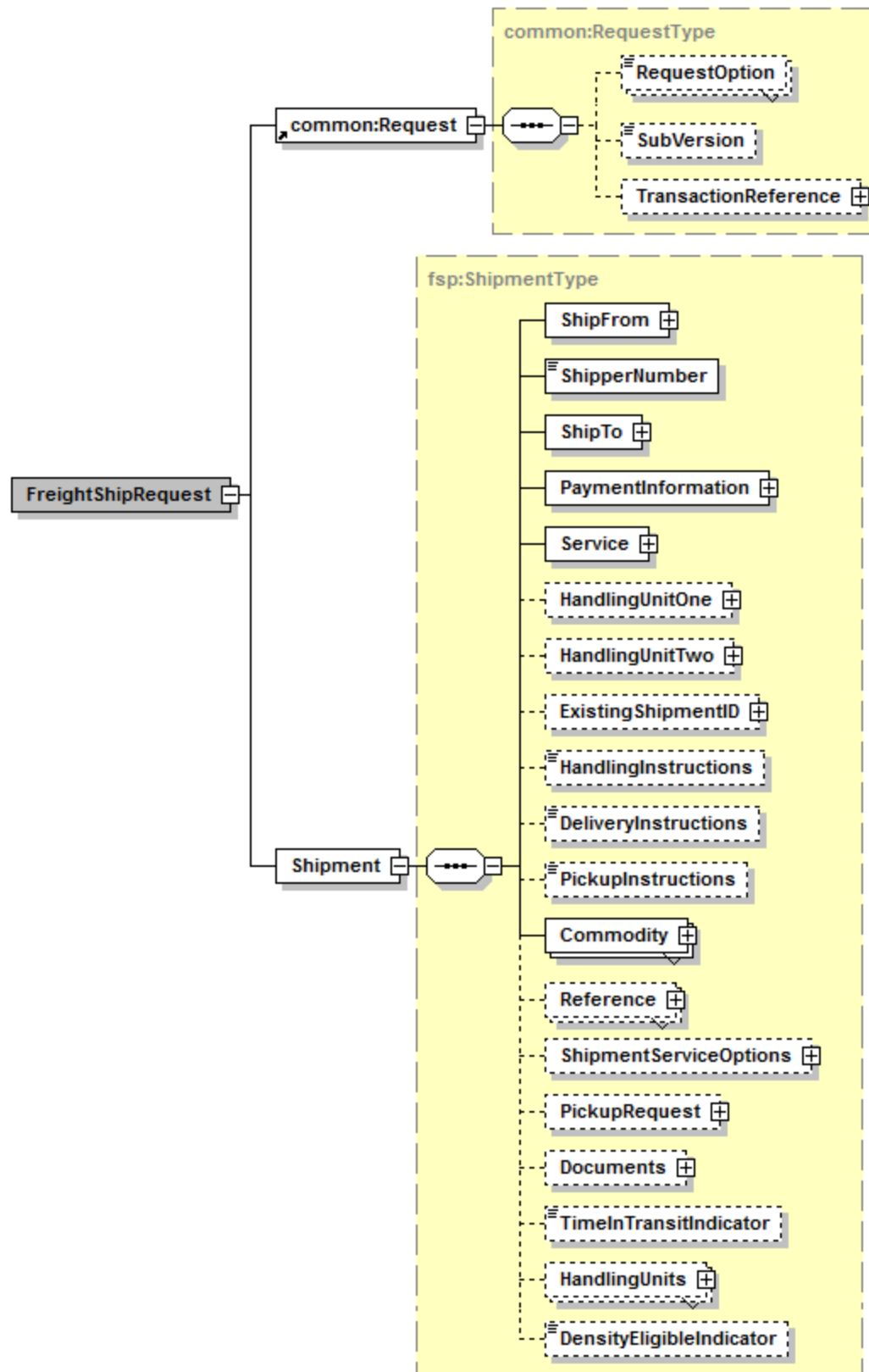
FreightShipRequest XPath

Name	Constraints	Description
/FreightShipRequest		
FreightShipRequest	Required: Yes Type: Container Max Allowed: 1 Length: N/A	

Request

Name	Constraints	Description
/FreightShipRequest/Request		
Request	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Freight Ship Request Container.

RequestOption

Name	Constraints	Description
/FreightShipRequest/Request/RequestOption		
RequestOption	Required: Yes Type: String Max Allowed: UNB Length: 1…15	Type of Shipping desired. Valid value: 1 - Ground Freight Shipping

SubVersion

Name	Constraints	Description
/FreightShipRequest/Request/SubVersion		
SubVersion	Required: Cond Type: String Max Allowed: 1 Length: 4	Indicates Ship GF API to display the new release features in the response based on the release. See the Release Features section for the latest release date. Supported values: 1601 Format: YYMM = Year and month of the release.

TransactionReference

Name	Constraints	Description
/FreightShipRequest/Request/TransactionReference		
TransactionReference	Required: No Type: Container Max Allowed: 1 Length: N/A	TransactionReference identifies transactions between client and server.
/FreightShipRequest/Request/TransactionReference/CustomerContext		
CustomerContext	Required: No Type: String Max Allowed: 1 Length: 1…512	The client uses CustomerContext to synchronize request/response pairs. The client establishes CustomerContext, which can contain any information you want, as long as it is valid XML; it is echoed back by the server.

Shipment

Name	Constraints	Description
/FreightShipRequest/Shipment		
Shipment	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Shipment Container.

ShipFrom

Name	Constraints	Description
/FreightShipRequest/Shipment/ShipFrom		
ShipFrom	Required: Yes Type: Container Max Allowed: 1 Length: N/A	ShipFrom Container.
/FreightShipRequest/Shipment/ShipFrom/Name		
Name	Required: Yes Type: String Max Allowed: 1 Length: 35	The ship from location's name or company name.
/FreightShipRequest/Shipment/ShipFrom/TaxIdentificationNumber		
TaxIdentificationNumber	Required: Cond Type: String Max Allowed: 1 Length: 1…15	Company's Tax Identification Number at the pick up location. Required if SED form (International forms) is requested
/FreightShipRequest/Shipment/ShipFrom/Address		
Address	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Address Container.
/FreightShipRequest/Shipment/ShipFrom/Address/AddressLine		
AddressLine	Required: Yes Type: String Max Allowed: 3 Length: 35	The Ship from street address. Max occurrences: 3
/FreightShipRequest/Shipment/ShipFrom/Address/City		
City	Required: Yes Type: String Max Allowed: 1 Length: 30	The Ship from city.
/FreightShipRequest/Shipment/ShipFrom/Address/StateProvinceCode		
StateProvinceCode	Required: Cond Type: String Max Allowed: 1 Length: 5	The Ship from location's state or province code. Required for certain countries.

Name	Constraints	Description
/FreightShipRequest/Shipment/ShipFrom/Address/Town		
Town	Required: No Type: String Max Allowed: 1 Length: 30	The ship from location's town code.
/FreightShipRequest/Shipment/ShipFrom/Address/PostalCode		
PostalCode	Required: Cond Type: String Max Allowed: 1 Length: 10	The ship from location's postal code. Required if the country code is US or CA.
/FreightShipRequest/Shipment/ShipFrom/Address/CountryCode		
CountryCode	Required: Yes Type: String Max Allowed: 1 Length: 2	The ship from location's country code. LTL Freight country origins include US, CA, and MX. Also supported in PR.
/FreightShipRequest/Shipment/ShipFrom/AttentionName		
AttentionName	Required: No Type: String Max Allowed: 1 Length: 35	Contact name at the ship from location. CO Internaltional forms are requested.
/FreightShipRequest/Shipment/ShipFrom/Phone		
Phone	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Phone Container
/FreightShipRequest/Shipment/ShipFrom/Phone/Number		
Number	Required: Yes Type: String Max Allowed: 1 Length: 15	The ship from location's phone number.
/FreightShipRequest/Shipment/ShipFrom/Phone/Extension		
Extension	Required: No Type: String Max Allowed: 1 Length: 4	The ship from location's phone extension.
/FreightShipRequest/Shipment/ShipFrom/FaxNumber		
FaxNumber	Required: No Type: String Max Allowed: 1 Length: 15	The ship from location's Fax Number.
/FreightShipRequest/Shipment/ShipFrom/EMailAddress		
EMailAddress	Required: No Type: String Max Allowed: 1 Length: 50	Ship from email address.

ShipperNumer

Name	Constraints	Description
/FreightShipRequest/Shipment/ShipperNumber		
ShipperNumber	Required: Yes Type: String Max Allowed: 1 Length: 10	Shipper's six digit account number. Size must be six alphanumeric characters. Must be associated with the User Id specified in the Access Request XML.

ShipTo

Name	Constraints	Description
/FreightShipRequest/Shipment/ShipTo		
ShipTo	Required: Yes Type: Container Max Allowed: 1 Length: N/A	ShipTo Container.
/FreightShipRequest/Shipment/ShipTo/Name		
Name	Required: Yes Type: String Max Allowed: 1 Length: 35	Consignee's company name.
/FreightShipRequest/Shipment/ShipTo/TaxIdentificationNumber		
TaxIdentificationNumber	Required: No Type: String Max Allowed: 1 Length: 15	Company's Tax Identification Number of the Consignee
/FreightShipRequest/Shipment/ShipTo/Address		
Address	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Address Container.
/FreightShipRequest/Shipment/ShipTo/Address/AddressLine		
AddressLine	Required: Yes Type: String Max Allowed: 3 Length: 35	Consignee's street address.
/FreightShipRequest/Shipment/ShipTo/Address/City		
City	Required: Yes Type: String Max Allowed: 1 Length: 30	Consignee's city.
/FreightShipRequest/Shipment/ShipTo/Address/StateProvinceCode		
StateProvinceCode	Required: Cond Type: String Max Allowed: 1 Length: 5	Consignee's state or province code. Required for certain countries.

Name	Constraints	Description
/FreightShipRequest/Shipment/ShipTo/Address/Town		
Town	Required: No Type: String Max Allowed: 1 Length: 30	Consignee's town code.
/FreightShipRequest/Shipment/ShipTo/Address/PostalCode		
PostalCode	Required: Cond Type: String Max Allowed: 1 Length: 10	Consignee's postal code. Required if the country code is US or CA.
/FreightShipRequest/Shipment/ShipTo/Address/CountryCode		
CountryCode	Required: Yes Type: String Max Allowed: 1 Length: 2	Consignee's country code. LTL Freight country origins include US, CA, and MX. Also supported in PR.
/FreightShipRequest/Shipment/ShipTo/AttentionName		
AttentionName	Required: Cond Type: String Max Allowed: 1 Length: 35	Contact name at the consignee's location.
/FreightShipRequest/Shipment/ShipTo/Phone		
Phone	Required: Cond Type: Container Max Allowed: 1 Length: N/A	Phone Container.
/FreightShipRequest/Shipment/ShipTo/Phone/Number		
Number	Required: Yes* Type: String Max Allowed: 1 Length: 15	Consignee's phone number.
/FreightShipRequest/Shipment/ShipTo/Phone/Extension		
Extension	Required: No Type: String Max Allowed: 1 Length: 4	Consignee's phone extension.
/FreightShipRequest/Shipment/ShipTo/FaxNumber		
FaxNumber	Required: No Type: String Max Allowed: 1 Length: 15	Consignee's fax number.
/FreightShipRequest/Shipment/ShipTo/EMailAddress		
EMailAddress	Required: No Type: String Max Allowed: 1 Length: 50	Ship To email address.

PaymentInformation

Name	Constraints	Description
/FreightShipRequest/Shipment/PaymentInformation		
PaymentInformation	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Payment Information Container.
/FreightShipRequest/Shipment/PaymentInformation/Payer		
Payer	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Payer Container.
/FreightShipRequest/Shipment/PaymentInformation/Payer/Name		
Name	Required: Yes Type: String Max Allowed: 1 Length: 35	Payer's company name
/FreightShipRequest/Shipment/PaymentInformation/Payer/Address		
Address	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Address Container.
/FreightShipRequest/Shipment/PaymentInformation/Payer/Address/AddressLine		
AddressLine	Required: Yes Type: String Max Allowed: 3 Length: 35	Payer's street address. Max Occurences: 3
/FreightShipRequest/Shipment/PaymentInformation/Payer/Address/City		
City	Required: Yes Type: String Max Allowed: 1 Length: 30	Payer's city.
/FreightShipRequest/Shipment/PaymentInformation/Payer/Address/StateProvinceCode		
StateProvinceCode	Required: Cond Type: String Max Allowed: 1 Length: 5	Payer's state or province code. Required for certain countries.
/FreightShipRequest/Shipment/PaymentInformation/Payer/Address/Town		
Town	Required: No Type: String Max Allowed: 1 Length: 30	Payer's town code.
/FreightShipRequest/Shipment/PaymentInformation/Payer/Address/PostalCode		
PostalCode	Required: Cond Type: String Max Allowed: 1 Length: 10	Payer's postal code. Required if the country code is US or CA.

Name	Constraints	Description
/FreightShipRequest/Shipment/PaymentInformation/Payer/Address/CountryCode		
CountryCode	Required: Yes Type: String Max Allowed: 1 Length: 2	Payer's country code. LTL Freight country origins include US, CA, and MX. Also supported in PR.
/FreightShipRequest/Shipment/PaymentInformation/Payer/ShipperNumber		
ShipperNumber	Required: No Type: String Max Allowed: 1 Length: 10	Payer's account number. User's 6 digit UPS account number or 9 digit SCS account number.
/FreightShipRequest/Shipment/PaymentInformation/Payer/AttentionName		
AttentionName	Required: No Type: String Max Allowed: 1 Length: 35	Contact name at the payer's location.
/FreightShipRequest/Shipment/PaymentInformation/Payer/Phone		
Phone	Required: No Type: Container Max Allowed: 1 Length: N/A	Phone Container.
/FreightShipRequest/Shipment/PaymentInformation/Payer/Phone/Number		
Number	Required: Yes Type: String Max Allowed: 1 Length: 15	Payer's phone number.
/FreightShipRequest/Shipment/PaymentInformation/Payer/Phone/Extension		
Extension	Required: No Type: String Max Allowed: 1 Length: 4	Payer's phone extension.
/FreightShipRequest/Shipment/PaymentInformation/Payer/FaxNumber		
FaxNumber	Required: No Type: String Max Allowed: 1 Length: 15	Payer's fax number.
/FreightShipRequest/Shipment/PaymentInformation/Payer/EMailAddress		
EMailAddress	Required: No Type: String Max Allowed: 1 Length: 50	Payer's email address.
/FreightShipRequest/Shipment/PaymentInformation/ShipmentBillingOption		
ShipmentBillingOption	Required: Yes Type: Container Max Allowed: 1 Length: N/A	ShipmentBillingOption Container.

Name	Constraints	Description
/FreightShipRequest/Shipment/PaymentInformation/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
/FreightShipRequest/Shipment/PaymentInformation/ShipmentBillingOption/Description		
Description	Required: No Type: String Max Allowed: 1 Length: 35	Billing Option Description.

Service

Name	Constraints	Description
/FreightShipRequest/Shipment/Service		
Service	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Service Container.
/FreightShipRequest/Shipment/Service/Code		
Code	Required: Yes Type: String Max Allowed: 1 Length: 3	The code for the UPS Service associated with the shipment. For valid values, see Service Codes in the Appendix.
/FreightShipRequest/Shipment/Service/Description		
Description	Required: No Type: String Max Allowed: 1 Length: 35	A text description of the UPS Service associated with the shipment.

HandlingUnitOne

Name	Constraints	Description
/FreightShipRequest/Shipment/HandlingUnitOne		
HandlingUnitOne	Required: Cond Type: Container Max Allowed: 1 Length: N/A	HandlingUnit Container. Required for Ground Shipments.
/FreightShipRequest/Shipment/HandlingUnitOne/Quantity		
Quantity	Required: Yes* Type: String Max Allowed: 1 Length: 8	Quantity of the handling unit.

Name	Constraints	Description
/FreightShipRequest/Shipment/HandlingUnitOne/Type		
Type	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	HandlingUnit Type Container.
/FreightShipRequest/Shipment/HandlingUnitOne/Type/Code		
Code	Required: Yes Type: String Max Allowed: 1 Length: 3	The code associated with handling unit type. For valid values, see Handling Unit Codes in the Appendix.
/FreightShipRequest/Shipment/HandlingUnitOne/Type/Description		
Description	Required: No Type: String Max Allowed: 1 Length: 35	A text description of the code for the handling unit type.

HandlingUnitTwo

Name	Constraints	Description
/FreightShipRequest/Shipment/HandlingUnitTwo		
HandlingUnitTwo	Required: No Type: Container Max Allowed: 1 Length: N/A	HandlingUnit Container.
/FreightShipRequest/Shipment/HandlingUnitTwo/Quantity		
Quantity	Required: Yes* Type: String Max Allowed: 1 Length: 8	Quantity of the handling unit.
/FreightShipRequest/Shipment/HandlingUnitTwo/Type		
Type	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	HandlingUnit Type Container.
/FreightShipRequest/Shipment/HandlingUnitTwo/Type/Code		
Code	Required: Yes* Type: String Max Allowed: 1 Length: 3	The code associated with handling unit type. For valid values, see Handling Unit Codes in the Appendix.
/FreightShipRequest/Shipment/HandlingUnitTwo/Type/Description		
Description	Required: No Type: String Max Allowed: 1 Length: 35	A text description of the code for the handling unit type.

ExistingShipmentID

Name	Constraints	Description
/FreightShipRequest/Shipment/ExistingShipmentID		
ExistingShipmentID	Required: No Type: Container Max Allowed: 1 Length: N/A	ExistingShipmentID Container.
/FreightShipRequest/Shipment/ExistingShipmentID/ShipmentNumber		
ShipmentNumber	Required: Yes* Type: String Max Allowed: 1 Length: 9	The PRO Number assigned to the shipment.
/FreightShipRequest/Shipment/ExistingShipmentID/ConfirmationNumber		
ConfirmationNumber	Required: Cond Type: Container Max Allowed: 1 Length: N/A	Container for the existing shipment pickup confirmation number. Required only for Shipment Updates.
/FreightShipRequest/Shipment/ExistingShipmentID/ConfirmationNumber/Type		
Type	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	Container for the type of unique pickup confirmation number. Required only for Shipment Updates.
/FreightShipRequest/Shipment/ExistingShipmentID/ConfirmationNumber/Type/Code		
Code	Required: Yes* Type: String Max Allowed: 1 Length: 5	Valid values: 01 = BOLID 02 = PRQ Required only for Shipment Updates.
/FreightShipRequest/Shipment/ExistingShipmentID/ConfirmationNumber/Type/Description		
Description	Required: No Type: String Max Allowed: 1 Length: 35	Description of the type of pickup confirmation number or BOLID. Required only for Shipment Updates.
/FreightShipRequest/Shipment/ExistingShipmentID/ConfirmationNumber/Value		
Value	Required: Yes* Type: String Max Allowed: 1 Length: 35	The unique pickup confirmation number or BOLID value. Required only for Shipment Updates.

Instructions

Name	Constraints	Description
/FreightShipRequest/Shipment/HandlingInstructions		
HandlingInstructions	Required: No Type: String Max Allowed: 1 Length: 500	General purpose instructions to the driver. Example: Call 30 minutes before

Name	Constraints	Description
/FreightShipRequest/Shipment/DeliveryInstructions		
DeliveryInstructions	Required: No Type: String Max Allowed: 1 Length: 500	Delivery Instructions.
/FreightShipRequest/Shipment/PickupInstructions		
PickupInstructions	Required: No Type: String Max Allowed: 1 Length: 500	Pickup Instructions.

Commodity

Name	Constraints	Description
/FreightShipRequest/Shipment/Commodity		
Commodity	Required: Yes Type: Container Max Allowed: 50 Length: N/A	Commodity Container.
/FreightShipRequest/Shipment/Commodity/CommodityID		
CommodityID	Required: No Type: String Max Allowed: 1 Length: 35	Unique identifier for the commodity.
/FreightShipRequest/Shipment/Commodity/Description		
Description	Required: Yes Type: String Max Allowed: 1 Length: 755	Description of the line item.
/FreightShipRequest/Shipment/Commodity/Weight		
Weight	Required: Yes Type: Container Max Allowed: 1 Length: N/A	CommodityWeight Container.
/FreightShipRequest/Shipment/Commodity/Weight/UnitOfMeasurement		
UnitOfMeasurement	Required: Yes Type: Container Max Allowed: 1 Length: N/A	CommodityWeight UnitOfMeasurement Container.
/FreightShipRequest/Shipment/Commodity/Weight/UnitOfMeasurement/Code		
Code	Required: Yes Type: String Max Allowed: 1 Length: 3	The code associated with the unit of measure for the line item. Valid value: LBS – Pounds
/FreightShipRequest/Shipment/Commodity/Weight/UnitOfMeasurement/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.

Name	Constraints	Description
/FreightShipRequest/Shipment/Commodity/Weight/Value		
Value	Required: Cond Type: String Max Allowed: 1 Length: 16	The value for the line item weight associated with the shipment.
/FreightShipRequest/Shipment/Commodity/Dimensions		
Dimensions	Required: Cond Type: Container Max Allowed: 1 Length: N/A	Quantity of the handling unit.
/FreightShipRequest/Shipment/Commodity/Dimensions/UnitOfMeasurement		
UnitOfMeasurement	Required: Yes Type: Container Max Allowed: 1 Length: N/A	UnitOfMeasurement Container.
/FreightShipRequest/Shipment/Commodity/Dimensions/UnitOfMeasurement/Code		
Code	Required: Yes Type: String Max Allowed: 1 Length: 3	The code associated with the unit of measure for the line item dimension.
/FreightShipRequest/Shipment/Commodity/Dimensions/UnitOfMeasurement/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 dimension.
/FreightShipRequest/Shipment/Commodity/Dimensions/Length		
Length	Required: Yes* Type: String Max Allowed: 1 Length: 1..19	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: ##############.## ##############.# ################
/FreightShipRequest/Shipment/Commodity/Dimensions/Width		
Width	Required: Yes* Type: String Max Allowed: 1 Length: 1..19	The width of the line item used to determine dimensional weight. For valid formatting, see Length above.
/FreightShipRequest/Shipment/Commodity/Dimensions/Height		
Height	Required: Yes* Type: String Max Allowed: 1 Length: 1..19	The height of the line item used to determine dimensional weight. For valid formatting, see Length above.

Name	Constraints	Description
/FreightShipRequest/Shipment/Commodity/NumberOfPieces		
NumberOfPieces	Required: Yes Type: String Max Allowed: 1 Length: 6	Number of piece of the commodity in the handling unit.
/FreightShipRequest/Shipment/Commodity/PackagingType		
PackagingType	Required: Yes Type: Container Max Allowed: 1 Length: N/A	PackagingType Container.
/FreightShipRequest/Shipment/Commodity/PackagingType/Code		
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.
/FreightShipRequest/Shipment/Commodity/PackagingType/Description		
Description	Required: No Type: String Max Allowed: 1 Length: 35	A text description of the code for the UPS packaging type associated with the shipment.
/FreightShipRequest/Shipment/Commodity/DangerousGoodsIndicator		
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.
/FreightShipRequest/Shipment/Commodity/CommodityValue		
CommodityValue	Required: No Type: Container Max Allowed: 1 Length: N/A	CommodityValue Container.
/FreightShipRequest/Shipment/Commodity/CommodityValue/CurrencyCode		
CurrencyCode	Required: Cond* Type: String Max Allowed: 1 Length: 3	Commodity value currency code type. Required when value of commodity is entered. Valid values: USD – United States Dollar
/FreightShipRequest/Shipment/Commodity/CommodityValue/MonetaryValue		
MonetaryValue	Required: Yes* Type: String Max Allowed: 1 Length: 16	Commodity value amount.
/FreightShipRequest/Shipment/Commodity/FreightClass		
FreightClass	Required: Yes Type: String Max Allowed: 1 Length: 10	Freight Classification. For valid values, see Ground Freight Classes in the Appendix.

Name	Constraints	Description
/FreightShipRequest/Shipment/Commodity/NMFCCommodityCode		
NMFCCommodityCode	Required: No Type: String Max Allowed: 1 Length: 0..8	National Motor Freight Classification Commodity code. The first 6 digits represent the Prime Code and the remaining 2 digits represent the Sub Prime Code.
/FreightShipRequest/Shipment/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.
/FreightShipRequest/Shipment/Commodity/NMFCCommodity/PrimeCode		
PrimeCode	Required: Cond Type: String Max Allowed: 1 Length: 3..6	National Motor Freight Classification Commodity prime code. Must be 6 digits representing the NMFC prime code. This field is required if NMFCCommodity/SubCode is supplied.
/FreightShipRequest/Shipment/Commodity/NMFCCommodity/SubCode		
SubCode	Required: No Type: String Max Allowed: 1 Length: 0..2	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 supplied.

Reference

Name	Constraints	Description
/FreightShipRequest/Shipment/Reference		
Reference	Required: No Type: Container Max Allowed: 200 Length: N/A	Reference Container. Max number of references allowed: 200
/FreightShipRequest/Shipment/Reference/Number		
Number	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	Reference Number Container.
/FreightShipRequest/Shipment/Reference/Number/Code		
Code	Required: Yes Type: String Max Allowed: 1 Length: 5	Reference number type code for the entire shipment. For valid values, see Reference Codes in the Appendix.
/FreightShipRequest/Shipment/Reference/Number/Value		
Value	Required: Yes Type: String Max Allowed: 1 Length: 35	Customer supplied reference number.

Name	Constraints	Description
/FreightShipRequest/Shipment/Reference/BarCodeIndicator		
BarCodeIndicator	Required: No Type: String Max Allowed: 1 Length: 0	The presence of the tag BarCodeIndicator indicates that the reference at index 1 is bar-coded.
/FreightShipRequest/Shipment/Reference/NumberOfCartons		
NumberOfCartons	Required: No Type: String Max Allowed: 1 Length: 6	Number of cartons attached to this reference. Strongly recommended for ground services. Ignored for air services.
/FreightShipRequest/Shipment/Reference/Weight		
Weight	Required: No Type: Container Max Allowed: 1 Length: N/A	Reference Weight Container. Strongly recommended for ground services. Ignored for air services.
/FreightShipRequest/Shipment/Reference/Weight/UnitOfMeasurement		
UnitOfMeasurement	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	Reference Weight UnitOfMeasurement Container.
/FreightShipRequest/Shipment/Reference/Weight/UnitOfMeasurement/Code		
Code	Required: Yes Type: String Max Allowed: 1 Length: 3	The code associated with the unit of measure for the total weight for this reference. Valid value: LBS – Pounds
/FreightShipRequest/Shipment/Reference/Weight/UnitOfMeasurement/Description		
Description	Required: No Type: String Max Allowed: 1 Length: 35	The description for the total weight associated with this reference.
/FreightShipRequest/Shipment/Reference/Weight/Value		
Value	Required: Yes* Type: String Max Allowed: 1 Length: 16	The value for the total weight associated with this reference. Valid characters: 0-9 and "." (Decimal). Maximum of 2 digits after the decimal. Maximum field length: 16 characters. The decimal ".", does not count as a character. Examples: #############.## ##############.# ################

ShipmentServiceOptions

Name	Constraints	Description
/FreightShipRequest/Shipment/ShipmentServiceOptions		
ShipmentServiceOptions	Required: No Type: Container Max Allowed: 1 Length: N/A	ShipmentServiceOptions Container.
/FreightShipRequest/Shipment/ShipmentServiceOptions/EMailInformation		
EMailInformation	Required: No Type: Container Max Allowed: UNB Length: N/A	EmailInformation Container. Multiple Email Information Containers with the same EMail Type Code is not allowed.
/FreightShipRequest/Shipment/ShipmentServiceOptions/EMailInformation/EMailType		
EMailType	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	EmailType Container.
/FreightShipRequest/Shipment/ShipmentServiceOptions/EMailInformation/EMailType/Code		
Code	Required: Yes Type: String Max Allowed: 1 Length: 3	The code associated with the email type for the shipment service options. Valid values: 001- Ship Notification 002- Delivery Notification 003 – Exception Notification 004 – BOL/Labels(Ground Only)
/FreightShipRequest/Shipment/ShipmentServiceOptions/EMailInformation/EMailType/Description		
Description	Required: No Type: String Max Allowed: 1 Length: 35	A text description of the code for the email type associated with the shipment service options.
/FreightShipRequest/Shipment/ShipmentServiceOptions/EMailInformation/EMail		
EMail	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Email Container.
/FreightShipRequest/Shipment/ShipmentServiceOptions/EMailInformation/EMail/EMailAddress		
EMailAddress	Required: Yes Type: String Max Allowed: 5 Length: 50	Email address where the notification is sent.
/FreightShipRequest/Shipment/ShipmentServiceOptions/EMailInformation/EMail/EMailText		
EMailText	Required: No Type: String Max Allowed: 1 Length: 400	Contents of the email to be sent. Only used for AWB and BOL Email Types. Otherwise ignored.

Name	Constraints	Description
/FreightShipRequest/Shipment/ShipmentServiceOptions/EMailInformation/EMail/UndeliverableEMailAddress		
UndeliverableEMailAddress	Required: Yes Type: String Max Allowed: 1 Length: 50	The address where an undeliverable email message is sent if the email with the notification is undeliverable.
/FreightShipRequest/Shipment/ShipmentServiceOptions/EMailInformation/EMail/Subject		
Subject	Required: No Type: String Max Allowed: 1 Length: 0..256	Email subject line. Only used for AWB and BOL Email Types. Otherwise ignored.
/FreightShipRequest/Shipment/ShipmentServiceOptions/PickupOptions		
PickupOptions	Required: No Type: Container Max Allowed: 1 Length: N/A	PickupOptions Container.
/FreightShipRequest/Shipment/ShipmentServiceOptions/PickupOptions/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.
/FreightShipRequest/Shipment/ShipmentServiceOptions/PickupOptions/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.
/FreightShipRequest/Shipment/ShipmentServiceOptions/PickupOptions/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.
/FreightShipRequest/Shipment/ShipmentServiceOptions/PickupOptions/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.
/FreightShipRequest/Shipment/ShipmentServiceOptions/PickupOptions/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.
/FreightShipRequest/Shipment/ShipmentServiceOptions/PickupOptions/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.

Name	Constraints	Description
/FreightShipRequest/Shipment/ShipmentServiceOptions/DeliveryOptions		
DeliveryOptions	Required: No Type: Container Max Allowed: 1 Length: N/A	DeliveryOptions Container.
/FreightShipRequest/Shipment/ShipmentServiceOptions/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.
/FreightShipRequest/Shipment/ShipmentServiceOptions/DeliveryOptions/ConstructionSiteDeliveryIndicator		
ConstructionSiteDeliveryIndicator	Required: No Type: String Max Allowed: 1 Length: 0	The presence of the tag ConstructionSiteDeliveryIndicator indicates that the shipment is going to be delivered at a construction site.
/FreightShipRequest/Shipment/ShipmentServiceOptions/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.
/FreightShipRequest/Shipment/ShipmentServiceOptions/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.
/FreightShipRequest/Shipment/ShipmentServiceOptions/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.
/FreightShipRequest/Shipment/ShipmentServiceOptions/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.
/FreightShipRequest/Shipment/ShipmentServiceOptions/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.
/FreightShipRequest/Shipment/ShipmentServiceOptions/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.

Name	Constraints	Description
/FreightShipRequest/Shipment/ShipmentServiceOptions/OverSeasLeg		
OverSeasLeg	Required: No Type: Container Max Allowed: 1 Length: N/A	OverSeasLeg Container. Accessorial required when origin or destination is Hawaii, Alaska, and Puerto Rico.
/FreightShipRequest/Shipment/ShipmentServiceOptions/OverSeasLeg/Dimensions		
Dimensions	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	Dimensions Container.
/FreightShipRequest/Shipment/ShipmentServiceOptions/OverSeasLeg/Dimensions/Volume		
Volume	Required: Cond Type: String Max Allowed: 1 Length: 16	Represents the size as volume. Volume being required if height, length, width is not specified. If volume is present then height, length, width is ignored. Valid characters: 0-9 and "." (Decimal). Maximum of 2 digits after the decimal. Maximum field length: 16 characters. The decimal ".", does not count as a character. Examples: ##############.## ##############.# ################
/FreightShipRequest/Shipment/ShipmentServiceOptions/OverSeasLeg/Dimensions/Height		
Height	Required: Cond Type: String Max Allowed: 1 Length: 18	The height used to determine dimensional size.
/FreightShipRequest/Shipment/ShipmentServiceOptions/OverSeasLeg/Dimensions/Length		
Length	Required: Cond Type: String Max Allowed: 1 Length: 18	The length used to determine dimensional size.
/FreightShipRequest/Shipment/ShipmentServiceOptions/OverSeasLeg/Dimensions/Width		
Width	Required: Cond Type: String Max Allowed: 1 Length: 18	The width used to determine dimensional size.
/FreightShipRequest/Shipment/ShipmentServiceOptions/OverSeasLeg/Dimensions/UnitOfMeasurement		
UnitOfMeasurement	Required: Yes Type: Container Max Allowed: 1 Length: N/A	UnitOfMeasurement Container.

Name	Constraints	Description
/FreightShipRequest/Shipment/ShipmentServiceOptions/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. Valid value: CF - Cubic Feet
/FreightShipRequest/Shipment/ShipmentServiceOptions/OverSeasLeg/Dimensions/UnitOfMeasurement/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 OverSeasLeg dimension.
/FreightShipRequest/Shipment/ShipmentServiceOptions/OverSeasLeg/Value		
Value	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	Dimensions Value Container.
/FreightShipRequest/Shipment/ShipmentServiceOptions/OverSeasLeg/Value/Cube		
Cube	Required: Cond Type: Container Max Allowed: 1 Length: N/A	Dimensions Value Cube Container. Request should contain PricerPerCubicFoot, PricerPerCWT, or both.
/FreightShipRequest/Shipment/ShipmentServiceOptions/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
/FreightShipRequest/Shipment/ShipmentServiceOptions/OverSeasLeg/Value/Cube/MonetaryValue		
MonetaryValue	Required: Yes* Type: String Max Allowed: 1 Length: 16	Price per cubic feet. Valid characters: 0-9 and "." (Decimal). Maximum of 2 digits after the decimal. Maximum field length: 16 characters. The decimal ".", does not count as a character. Examples: ###############.## ###############.# ################
/FreightShipRequest/Shipment/ShipmentServiceOptions/OverSeasLeg/Value/CWT		
CWT	Required: Cond Type: Container Max Allowed: 1 Length: N/A	Dimensions Value CWT Container. Request should contain PricerPerCubicFoot, PricerPerCWT, or both.
/FreightShipRequest/Shipment/ShipmentServiceOptions/OverSeasLeg/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

Name	Constraints	Description
/FreightShipRequest/Shipment/ShipmentServiceOptions/OverSeasLeg/Value/CWT/MonetaryValue		
MonetaryValue	Required: Yes* Type: String Max Allowed: 1 Length: 16	Price per CWT. Valid characters: 0-9 and "." (Decimal). Maximum of 2 digits after the decimal. Maximum field length: 16 characters. The decimal ".", does not count as a character. Examples: ##############.## ##############.# ################
/FreightShipRequest/Shipment/ShipmentServiceOptions/COD		
COD	Required: No Type: Container Max Allowed: 1 Length: N/A	COD Container.
/FreightShipRequest/Shipment/ShipmentServiceOptions/COD/CODValue		
CODValue	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	CODValue Container.
/FreightShipRequest/Shipment/ShipmentServiceOptions/COD/CODValue/CurrencyCode		
CurrencyCode	Required: Yes Type: String Max Allowed: 1 Length: 3	COD amount currency code type. Valid value: USD – United States Dollar
/FreightShipRequest/Shipment/ShipmentServiceOptions/COD/CODValue/MonetaryValue		
MonetaryValue	Required: Yes Type: String Max Allowed: 1 Length: 16	COD Amount. Valid characters: 0-9 and "." (Decimal). Maximum of 2 digits after the decimal. Maximum field length: 16 characters. The decimal ".", does not count as a character. Examples: ##############.## ##############.# ################
/FreightShipRequest/Shipment/ShipmentServiceOptions/COD/CODPaymentMethod		
CODPaymentMethod	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	CODPaymentMethod Container.

Name	Constraints	Description
/FreightShipRequest/Shipment/ShipmentServiceOptions/COD/CODPaymentMethod/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
/FreightShipRequest/Shipment/ShipmentServiceOptions/COD/CODPaymentMethod/Description		
Description	Required: No Type: String Max Allowed: 1 Length: 35	A text description of the code for the COD payment method associated with the shipment service options.
/FreightShipRequest/Shipment/ShipmentServiceOptions/COD/CODBillingOption		
CODBillingOption	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	CODBillingOption Container.
/FreightShipRequest/Shipment/ShipmentServiceOptions/COD/CODBillingOption/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
/FreightShipRequest/Shipment/ShipmentServiceOptions/COD/CODBillingOption/Description		
Description	Required: No Type: String Max Allowed: 1 Length: 35	A text description of the code for the COD billing option associated with the shipment service options.
/FreightShipRequest/Shipment/ShipmentServiceOptions/COD/RemitTo		
RemitTo	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	RemitTo Container.
/FreightShipRequest/Shipment/ShipmentServiceOptions/COD/RemitTo/Name		
Name	Required: Yes Type: String Max Allowed: 1 Length: 35	The payee company name for the COD charges.
/FreightShipRequest/Shipment/ShipmentServiceOptions/COD/RemitTo/Address		
Address	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Address Container.

Name	Constraints	Description
/FreightShipRequest/Shipment/ShipmentServiceOptions/COD/RemitTo/Address/AddressLine		
AddressLine	Required: Yes Type: String Max Allowed: 3 Length: 35	Payee Street address for the COD charges.
/FreightShipRequest/Shipment/ShipmentServiceOptions/COD/RemitTo/Address/City		
City	Required: Yes Type: String Max Allowed: 1 Length: 30	Payee city code for the COD charges.
/FreightShipRequest/Shipment/ShipmentServiceOptions/COD/RemitTo/Address/StateProvinceCode		
StateProvinceCode	Required: No Type: String Max Allowed: 1 Length: 5	Payee stare or province code for the COD charges. Required for certain countries.
/FreightShipRequest/Shipment/ShipmentServiceOptions/COD/RemitTo/Address/Town		
Town	Required: No Type: String Max Allowed: 1 Length: 30	Payee town code for the COD charges.
/FreightShipRequest/Shipment/ShipmentServiceOptions/COD/RemitTo/Address/PostalCode		
PostalCode	Required: No Type: String Max Allowed: 1 Length: 10	Payee postal code for the COD charges. Required if the country code is US or CA.
/FreightShipRequest/Shipment/ShipmentServiceOptions/COD/RemitTo/Address/CountryCode		
CountryCode	Required: Yes Type: String Max Allowed: 1 Length: 2	Payee country code for the COD charges. LTL Freight country origins include US, CA, and MX. Also supported in PR.
/FreightShipRequest/Shipment/ShipmentServiceOptions/COD/RemitTo/AttentionName		
AttentionName	Required: No Type: String Max Allowed: 1 Length: 35	Payee contact name for the COD charges.
/FreightShipRequest/Shipment/ShipmentServiceOptions/COD/RemitTo/Phone		
Phone	Required: No Type: Container Max Allowed: 1 Length: N/A	Phone Container.
/FreightShipRequest/Shipment/ShipmentServiceOptions/COD/RemitTo/Phone/Number		
Number	Required: Yes Type: String Max Allowed: 1 Length: 15	Payee Phone number for the COD charges.

Name	Constraints	Description
/FreightShipRequest/Shipment/ShipmentServiceOptions/COD/RemitTo/Phone/Extension		
Extension	Required: No Type: String Max Allowed: 1 Length: 4	Payee phone extension for the COD charges.
/FreightShipRequest/Shipment/ShipmentServiceOptions/COD/RemitTo/FaxNumber		
FaxNumber	Required: No Type: String Max Allowed: 1 Length: 15	Payee fax number for the COD charges.
/FreightShipRequest/Shipment/ShipmentServiceOptions/COD/RemitTo/EMailAddress		
EMailAddress	Required: No Type: String Max Allowed: 1 Length: 50	Payee email address for the COD charges.
/FreightShipRequest/Shipment/ShipmentServiceOptions/DangerousGoods		
DangerousGoods	Required: No Type: Container Max Allowed: 1 Length: N/A	DangerousGoods Container.
/FreightShipRequest/Shipment/ShipmentServiceOptions/DangerousGoods/Name		
Name	Required: Yes* Type: String Max Allowed: 1 Length: 35	The contact name for question re: Dangerous Goods.
/FreightShipRequest/Shipment/ShipmentServiceOptions/DangerousGoods/Phone		
Phone	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	Phone Container.
/FreightShipRequest/Shipment/ShipmentServiceOptions/DangerousGoods/Phone/Number		
Number	Required: Yes Type: String Max Allowed: 1 Length: 15	The contact phone number for question re: Dangerous Goods
/FreightShipRequest/Shipment/ShipmentServiceOptions/DangerousGoods/Phone/Extension		
Extension	Required: No Type: String Max Allowed: 1 Length: 4	The contact phone extension for question re: Dangerous Goods
/FreightShipRequest/Shipment/ShipmentServiceOptions/SortingAndSegregating		
SortingAndSegregating	Required: No Type: Container Max Allowed: 1 Length: N/A	SortingAndSegregating Container.

Name	Constraints	Description
/FreightShipRequest/Shipment/ShipmentServiceOptions/SortingAndSegregating/Quantity		
Quantity	Required: Yes* Type: String Max Allowed: 1 Length: 6	Quantity of units to be sorted/segregated.
/FreightShipRequest/Shipment/ShipmentServiceOptions/DeclaredValue		
DeclaredValue	Required: No Type: Container Max Allowed: 1 Length: N/A	DeclaredValue Container.
/FreightShipRequest/Shipment/ShipmentServiceOptions/DeclaredValue/CurrencyCode		
CurrencyCode	Required: Yes* Type: String Max Allowed: 1 Length: 3	Declared value amount currency type. Valid value: USD - United States Dollar
/FreightShipRequest/Shipment/ShipmentServiceOptions/DeclaredValue/MonetaryValue		
MonetaryValue	Required: Yes* Type: String Max Allowed: 1 Length: 16	Declared value amount. Valid characters: 0-9 and "." (Decimal). Maximum of 2 digits after the decimal. Maximum field length: 16 characters. The decimal ".", does not count as a character. Examples: ###############.## ###############.# ################
/FreightShipRequest/Shipment/ShipmentServiceOptions/ExcessDeclaredValue		
ExcessDeclaredValue	Required: No Type: Container Max Allowed: 1 Length: N/A	ExcessDeclaredValue Container.
/FreightShipRequest/Shipment/ShipmentServiceOptions/ExcessDeclaredValue/CurrencyCode		
CurrencyCode	Required: Yes Type: String Max Allowed: 1 Length: 3	Excess Declared value amount currency type. Valid value: USD - United States Dollar
/FreightShipRequest/Shipment/ShipmentServiceOptions/ExcessDeclaredValue/MonetaryValue		
MonetaryValue	Required: Yes Type: String Max Allowed: 1 Length: 16	Excess Declared value amount.
/FreightShipRequest/Shipment/ShipmentServiceOptions/HandlingCharge		
HandlingCharge	Required: No Type: Container Max Allowed: 1 Length: N/A	HandlingCharge Container.

Name	Constraints	Description
/FreightShipRequest/Shipment/ShipmentServiceOptions/HandlingCharge/Percentage		
Percentage	Required: Cond Type: String Max Allowed: 1 Length: 7	Percentage amount consistent with the handling charge. Either Percentage or Amount needs to be present, not both. Negative vaule allowed. Valid characters: 0-9 and "." (Decimal). Maximum of 2 digits after the decimal. Maximum field length: 7 characters. The decimal ".", does not count as a character.
/FreightShipRequest/Shipment/ShipmentServiceOptions/HandlingCharge/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.
/FreightShipRequest/Shipment/ShipmentServiceOptions/HandlingCharge/Amount/CurrencyCode		
CurrencyCode	Required: Yes* Type: String Max Allowed: 1 Length: 3	Handling charge amount currency type.
/FreightShipRequest/Shipment/ShipmentServiceOptions/HandlingCharge/Amount/MonetaryValue		
MonetaryValue	Required: Yes* Type: String Max Allowed: 1 Length: 16	Handling Charge amount. Negative value allowed. Valid characters: 0-9 and "." (Decimal). Maximum of 2 digits after the decimal. Maximum field length: 16 characters. The decimal ".", does not count as a character. Examples: ##############.## ##############.# ################
/FreightShipRequest/Shipment/ShipmentServiceOptions/FreezableProtectionIndicator		
FreezableProtectionIndicator	Required: No Type: String Max Allowed: 1 Length: 0	The presence of the tag FreezableProtectionIndicator indicates that the customs clearance is required.
/FreightShipRequest/Shipment/ShipmentServiceOptions/ExtremeLengthIndicator		
ExtremeLengthIndicator	Required: No Type: String Max Allowed: 1 Length: 0	The presence of the tag ExtremeLengthIndicator indicates that the customs clearance is required.

PickupRequest

Name	Constraints	Description
/FreightShipRequest/Shipment/PickupRequest		
PickupRequest	Required: Cond Type: Container Max Allowed: 1 Length: N/A	PickupRequest Container.
/FreightShipRequest/Shipment/PickupRequest/AdditionalComments		
AdditionalComments	Required: No Type: String Max Allowed: 1 Length: 500	Additional pickup comments or instructions
/FreightShipRequest/Shipment/PickupRequest/Requester		
Requester	Required: Cond* Type: Container Max Allowed: 1 Length: N/A	Requester Container. Also referred to as caller. Required for ground shipments if PickupRequest container is present.
/FreightShipRequest/Shipment/PickupRequest/Requester/ThirdPartyIndicator		
ThirdPartyIndicator	Required: No Type: String Max Allowed: 1 Length: 0	Indicates whether the requester is Consignee, Third Party, Shipper, other.
/FreightShipRequest/Shipment/PickupRequest/Requester/AttentionName		
AttentionName	Required: Yes Type: String Max Allowed: 1 Length: 35	Requester's name.
/FreightShipRequest/Shipment/PickupRequest/Requester/EMailAddress		
EMailAddress	Required: Yes Type: String Max Allowed: 1 Length: 50	Requester's email address.
/FreightShipRequest/Shipment/PickupRequest/Requester/Name		
Name	Required: Yes Type: String Max Allowed: 1 Length: 35	Requester's company name.
/FreightShipRequest/Shipment/PickupRequest/Requester/Phone		
Phone	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Phone Container
/FreightShipRequest/Shipment/PickupRequest/Requester/Phone/Number		
Number	Required: Yes Type: String Max Allowed: 1 Length: 15	Requester's phone number.

Name	Constraints	Description
/FreightShipRequest/Shipment/PickupRequest/Requester/Phone/Extension		
Extension	Required: No Type: String Max Allowed: 1 Length: 4	Requester's phone extension.
/FreightShipRequest/Shipment/PickupRequest/PickupDate		
PickupDate	Required: Yes* Type: String Max Allowed: 1 Length: 8	Date of the Pickup. Format: YYYYMMDD. Ground pickup may be scheduled up to 42 days in the future. Note: This element will act as PickupDate or DropOffDate based on the presence of PickupTimeReady or DropOffTimeReady element.
/FreightShipRequest/Shipment/PickupRequest/EarliestTimeReady		
EarliestTimeReady	Required: Cond Type: String Max Allowed: 1 Length: 4	The earliest time a shipment is ready to be picked up. The time is on a 24 hour clock. Format: HHMM HH = Hour values 00 to 23 MM = Minute values 00 to 59
/FreightShipRequest/Shipment/PickupRequest/LatestTimeReady		
LatestTimeReady	Required: Yes* Type: String Max Allowed: 1 Length: 4	The latest time a shipment can be picked up. Can be also referred as the Closing Time for a pickup time window. The time is on a 24 hour clock. Format: HHMM HH = Hour values 00 to 23 MM = Minute values 00 to 59 Optional if the account type is House.
/FreightShipRequest/Shipment/PickupRequest/POM		
POM	Required: No Type: Container Max Allowed: 1 Length: N/A	POM container.
/FreightShipRequest/Shipment/PickupRequest/POM/POMNumber		
POMNumber	Required: Yes* Type: String Max Allowed: 1 Length: 16	An identifier associated to the pickup request (may or may not be created by the user)
/FreightShipRequest/Shipment/PickupRequest/POM/POMNumberType		
POMNumberType	Required: Yes* Type: String Max Allowed: 1 Length: 2	Identifies the kind of number used to identify the POM shipment. For valid values, see POMNumberType Values in the Appendix.
/FreightShipRequest/Shipment/PickupRequest/POM/PickupNotifications		
PickupNotifications	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	Container for pre-pickp notifications events

Name	Constraints	Description
/FreightShipRequest/Shipment/PickupRequest/POM/PickupNotifications/CompanyName		
CompanyName	Required: No Type: String Max Allowed: 1 Length: 1..35	Name of company
/FreightShipRequest/Shipment/PickupRequest/POM/PickupNotifications/EMailNotification		
EMailNotification	Required: Yes* Type: Container Max Allowed: 5 Length: N/A	Container for email notifications
/FreightShipRequest/Shipment/PickupRequest/POM/PickupNotifications/EMailNotification/EMailAddress		
EMailAddress	Required: Yes* Type: String Max Allowed: 1 Length: 50	Email address which should receive pre-pickup notification
/FreightShipRequest/Shipment/PickupRequest/POM/PickupNotifications/EMailNotification/EventType		
EventType	Required: Yes* Type: String Max Allowed: 4 Length: 2	Type of event for POM Notification. Add up to four events. 01 = PICKUP_REQUEST_CONFIRM 02 = DRIVER_EN_ROUTE 03 = PICKUP_SECURED 04 = PICKUP_EXCEPTION
/FreightShipRequest/Shipment/PickupRequest/POM/PickupNotifications/FailedEMail		
FailedEMail	Required: Yes* Type: String Max Allowed: 1 Length: 50	Alternate email address to receive failure notifications

Documents

Name	Constraints	Description
/FreightShipRequest/Shipment/Documents		
Documents	Required: No Type: Container Max Allowed: 1 Length: N/A	Documents Container.
/FreightShipRequest/Shipment/Documents/Image		
Image	Required: No Type: Container Max Allowed: UNB Length: N/A	Image Container.
/FreightShipRequest/Shipment/Documents/Image/Type		
Type	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	Image Type Container.

Name	Constraints	Description
/FreightShipRequest/Shipment/Documents/Image/Type/Code		
Code	Required: Yes Type: String Max Allowed: 1 Length: 2	Type of the image contained in Documents Image. Valid values: 10 – AWB 20 – UPS BOL 21 – VICS BOL 30 - Label
/FreightShipRequest/Shipment/Documents/Image/Type/Description		
Description	Required: No Type: String Max Allowed: 1 Length: 35	Description of image type contained in Documents Image.
/FreightShipRequest/Shipment/Documents/Image/LabelsPerPage		
LabelsPerPage	Required: Cond Type: String Max Allowed: 1 Length: 1	Number of Labels to print per page. Required when label type is "Label". Otherwise the element and child elements are ignored.
/FreightShipRequest/Shipment/Documents/Image/Format		
Format	Required: Yes* Type: Container Max Allowed: 1 Length: N/A	ImageFormat Container.
/FreightShipRequest/Shipment/Documents/Image/Format/Code		
Code	Required: Yes Type: String Max Allowed: 1 Length: 2	Format of the image contained in Documents Image. Valid value: 01 - pdf
/FreightShipRequest/Shipment/Documents/Image/Format/Description		
Description	Required: No Type: String Max Allowed: 1 Length: 35	Description of image format contained in Documents Image.
/FreightShipRequest/Shipment/Documents/Image/PrintFormat		
PrintFormat	Required: No Type: Container Max Allowed: 1 Length: N/A	PrintFormat Container. Required when label type is "Label". Otherwise the element and child elements are ignored.
/FreightShipRequest/Shipment/Documents/Image/PrintFormat/Code		
Code	Required: Yes* Type: String Max Allowed: 1 Length: 2	Print Format of the image contained in Documents Image. Valid values: 01 – Laser 02 - Thermal
/FreightShipRequest/Shipment/Documents/Image/PrintFormat/Description		
Description	Required: No Type: String Max Allowed: 1 Length: 35	Description of the print format of the image contained in Documents Image.

Name	Constraints	Description
/FreightShipRequest/Shipment/Documents/Image/PrintSize		
PrintSize	Required: No Type: Container Max Allowed: 1 Length: N/A	PrintSize Container. Required when label type is "Label". Otherwise the element and child elements are ignored. Valid combination of Length and Width children are: (Length X Width) 4 X 64 X 88 X 11 (Recommended for Laser Printer type)
/FreightShipRequest/Shipment/Documents/Image/PrintSize/Length		
Length	Required: Yes* Type: String Max Allowed: 1 Length: 16	The lengths of the image print size.
/FreightShipRequest/Shipment/Documents/Image/PrintSize/Width		
Width	Required: Yes* Type: String Max Allowed: 1 Length: 16	The widths of the image print size.
/FreightShipRequest/Shipment/Documents/PackingList		
PackingList	Required: No Type: Container Max Allowed: 1 Length: N/A	PackingList Container.
/FreightShipRequest/Shipment/Documents/PackingList/ShipFrom		
ShipFrom	Required: No Type: Container Max Allowed: 1 Length: N/A	PackingList ShipFrom Container.
/FreightShipRequest/Shipment/Documents/PackingList/ShipFrom/Name		
Name	Required: Yes* Type: String Max Allowed: 1 Length: 35	The shipper's name or company name.
/FreightShipRequest/Shipment/Documents/PackingList/ShipFrom/AttentionName		
AttentionName	Required: No Type: String Max Allowed: 1 Length: 35	Contact name at the ship from location.
/FreightShipRequest/Shipment/Documents/PackingList/ShipFrom/Address		
Address	Required: No Type: Container Max Allowed: 1 Length: N/A	Shipper's Address Container.

Name	Constraints	Description
/FreightShipRequest/Shipment/Documents/PackingList/ShipFrom/Address/AddressLine		
AddressLine	Required: Yes* Type: String Max Allowed: 3 Length: 35	The Shipper's street address.
/FreightShipRequest/Shipment/Documents/PackingList/ShipFrom/Address/City		
City	Required: Yes* Type: String Max Allowed: 1 Length: 30	The Shipper's city.
/FreightShipRequest/Shipment/Documents/PackingList/ShipFrom/Address/StateProvinceCode		
StateProvinceCode	Required: No Type: String Max Allowed: 1 Length: 5	The Shipper's state or province code.
/FreightShipRequest/Shipment/Documents/PackingList/ShipFrom/Address/Town		
Town	Required: No Type: String Max Allowed: 1 Length: 15	The shipper's town code.
/FreightShipRequest/Shipment/Documents/PackingList/ShipFrom/Address/PostalCode		
PostalCode	Required: No Type: String Max Allowed: 1 Length: 9	The shipper's postal code.
/FreightShipRequest/Shipment/Documents/PackingList/ShipFrom/Address/CountryCode		
CountryCode	Required: Yes* Type: String Max Allowed: 1 Length: 2	The shipper's country code. LTL Freight country origins include US, CA, and MX. Also supported in PR.
/FreightShipRequest/Shipment/Documents/PackingList/ShipFrom/PhoneNumber		
PhoneNumber	Required: No Type: String Max Allowed: 1 Length: 15	The shipper's phone number.
/FreightShipRequest/Shipment/Documents/PackingList/ShipFrom/EMailAddress		
EMailAddress	Required: No Type: String Max Allowed: 1 Length: 50	Shipper's email address.
/FreightShipRequest/Shipment/Documents/PackingList/ShipFrom/PhoneExtension		
PhoneExtension	Required: No Type: String Max Allowed: 1 Length: 4	The shipper's phone extension.

Name	Constraints	Description
/FreightShipRequest/Shipment/Documents/PackingList/ShipTo		
ShipTo	Required: No Type: Container Max Allowed: 1 Length: N/A	PackingList ShipTo Container.
/FreightShipRequest/Shipment/Documents/PackingList/ShipTo/Name		
Name	Required: Yes* Type: String Max Allowed: 1 Length: 35	The Consignee's name or company name.
/FreightShipRequest/Shipment/Documents/PackingList/ShipTo/AttentionName		
AttentionName	Required: No Type: String Max Allowed: 1 Length: 35	Contact name at the ship to location.
/FreightShipRequest/Shipment/Documents/PackingList/ShipTo/Address		
Address	Required: No Type: Container Max Allowed: 1 Length: N/A	Consignee's Address Container.
/FreightShipRequest/Shipment/Documents/PackingList/ShipTo/Address/AddressLine		
AddressLine	Required: Yes* Type: String Max Allowed: 3 Length: 35	The consignee's street address.
/FreightShipRequest/Shipment/Documents/PackingList/ShipTo/Address/City		
City	Required: Yes* Type: String Max Allowed: 1 Length: 30	The consignee's city.
/FreightShipRequest/Shipment/Documents/PackingList/ShipTo/Address/StateProvinceCode		
StateProvinceCode	Required: No Type: String Max Allowed: 1 Length: 5	The consignee's state or province code.
/FreightShipRequest/Shipment/Documents/PackingList/ShipTo/Address/Town		
Town	Required: No Type: String Max Allowed: 1 Length: 15	The consignee's town code.
/FreightShipRequest/Shipment/Documents/PackingList/ShipTo/Address/PostalCode		
PostalCode	Required: No Type: String Max Allowed: 1 Length: 9	The consignee's postal code.

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Name	Constraints	Description
/FreightShipRequest/Shipment/Documents/PackingList/ShipTo/Address/CountryCode		
CountryCode	Required: Yes* Type: String Max Allowed: 1 Length: 2	The consignee's country code. LTL Freight country origins include US, CA, and MX. Also supported in PR.
/FreightShipRequest/Shipment/Documents/PackingList/ShipTo/PhoneNumber		
PhoneNumber	Required: No Type: String Max Allowed: 1 Length: 15	The consignee's phone number.
/FreightShipRequest/Shipment/Documents/PackingList/ShipTo/EMailAddress		
EMailAddress	Required: No Type: String Max Allowed: 1 Length: 50	Consignee's email address.
/FreightShipRequest/Shipment/Documents/PackingList/ShipTo/PhoneExtension		
PhoneExtension	Required: No Type: String Max Allowed: 1 Length: 4	The consignee's phone extension.
/FreightShipRequest/Shipment/Documents/PackingList/Reference		
Reference	Required: No Type: Container Max Allowed: 2 Length: N/A	Reference Container. Only two references are allowed. If more than 2 references are provided, then only the first two will be used and the subsequent reference containers will be ignored.
/FreightShipRequest/Shipment/Documents/PackingList/Reference/Label		
Label	Required: No Type: String Max Allowed: 1 Length: 30	Reference Label.
/FreightShipRequest/Shipment/Documents/PackingList/Reference/Value		
Value	Required: Yes* Type: String Max Allowed: 1 Length: 30	Reference Value.
/FreightShipRequest/Shipment/Documents/PackingList/HandlingUnit		
HandlingUnit	Required: No Type: Container Max Allowed: 1 Length: N/A	HandlingUnit Container.
/FreightShipRequest/Shipment/Documents/PackingList/HandlingUnit/Commodity		
Commodity	Required: No Type: Container Max Allowed: 99 Length: N/A	Commodity Container.

Name	Constraints	Description
/FreightShipRequest/Shipment/Documents/PackingList/HandlingUnit/Commodity/NumberOfPieces		
NumberOfPieces	Required: No Type: String Max Allowed: 1 Length: 3	Number of Pieces.
/FreightShipRequest/Shipment/Documents/PackingList/HandlingUnit/Commodity/PackagingType		
PackagingType	Required: No Type: Container Max Allowed: 1 Length: N/A	PackagingType Container.
/FreightShipRequest/Shipment/Documents/PackingList/HandlingUnit/Commodity/PackagingType/Code		
Code	Required: Yes* Type: String Max Allowed: 1 Length: 3	Code associated with the Packaging Type. Refer to Packaging Types in the Appendix for valid values.
/FreightShipRequest/Shipment/Documents/PackingList/HandlingUnit/Commodity/PackagingType/Description		
Description	Required: No Type: String Max Allowed: 1 Length: 35	Description for the code associated with the Packaging Type.
/FreightShipRequest/Shipment/Documents/PackingList/HandlingUnit/Commodity/DangerousGoodsIndicator		
DangerousGoodsIndicator	Required: No Type: String Max Allowed: 1 Length: 0	Hazmat Indicator.
/FreightShipRequest/Shipment/Documents/PackingList/HandlingUnit/Commodity/Description		
Description	Required: No Type: String Max Allowed: 1 Length: 150	Description of articles, special marks, freight codes.
/FreightShipRequest/Shipment/Documents/PackingList/HandlingUnit/Commodity/NMFCCommodityCode		
NMFCCommodityCode	Required: No Type: String Max Allowed: 1 Length: 8	NMFC.
/FreightShipRequest/Shipment/Documents/PackingList/HandlingUnit/Commodity/FreightClass		
FreightClass	Required: Yes Type: String Max Allowed: 1 Length: 4	Class.
/FreightShipRequest/Shipment/Documents/PackingList/HandlingUnit/Commodity/Dimensions		
Dimensions	Required: No Type: Container Max Allowed: 1 Length: N/A	Dimensions Container.

Name	Constraints	Description
/FreightShipRequest/Shipment/Documents/PackingList/HandlingUnit/Commodity/Dimensions/Length		
Length	Required: Yes* Type: String Max Allowed: 1 Length: 5	Dimension - Length.
/FreightShipRequest/Shipment/Documents/PackingList/HandlingUnit/Commodity/Dimensions/Width		
Width	Required: Yes* Type: String Max Allowed: 1 Length: 5	Dimension - Width.
/FreightShipRequest/Shipment/Documents/PackingList/HandlingUnit/Commodity/Dimensions/Height		
Height	Required: Yes* Type: String Max Allowed: 1 Length: 5	Dimension - Height.
/FreightShipRequest/Shipment/Documents/PackingList/HandlingUnit/Commodity/Weight		
Weight	Required: No Type: String Max Allowed: 1 Length: 7	Weight of the package.
/FreightShipRequest/Shipment/Documents/PackingList/HandlingUnit/Commodity/CommodityValue		
CommodityValue	Required: No Type: String Max Allowed: 1 Length: 7	Unit price of the commodity.
/FreightShipRequest/Shipment/Documents/PackingList/HandlingUnit/SpecialInstructions		
SpecialInstructions	Required: No Type: String Max Allowed: 1 Length: 500	Special instructions or special memo.
/FreightShipRequest/Shipment/Documents/PackingList/HandlingUnit/TotalNumberOfPieces		
TotalNumberOfPieces	Required: No Type: String Max Allowed: 1 Length: 5	Total number of pieces.
/FreightShipRequest/Shipment/Documents/PackingList/HandlingUnit/TotalWeight		
TotalWeight	Required: No Type: String Max Allowed: 1 Length: 12	Total weight of all the commodities.
/FreightShipRequest/Shipment/Documents/PackingList/HandlingUnit/UnitOfMeasurement		
UnitOfMeasurement	Required: No Type: Container Max Allowed: 1 Length: N/A	UnitOfMeasurement Container.

Name	Constraints	Description
/FreightShipRequest/Shipment/Documents/PackingList/HandlingUnit/UnitOfMeasurement/Code		
Code	Required: Yes* Type: String Max Allowed: 1 Length: 3	Code associated with the Unit of measurement. This value applies to the weight of all the commodities.
/FreightShipRequest/Shipment/Documents/PackingList/HandlingUnit/UnitOfMeasurement/Description		
Description	Required: No Type: String Max Allowed: 1 Length: 35	Description of the code associated with the Unit of measurement.
/FreightShipRequest/Shipment/Documents/PackingList/HandlingUnit/CurrencyCode		
CurrencyCode	Required: No Type: String Max Allowed: 1 Length: 3	Currency code. This value applies to the unit price of all the commodities.

TimeInTransitIndicator

| Name	Constraints	Description
/FreightShipRequest/Shipment/TimeInTransitIndicator		
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 if available.

HandlingUnits

Name	Constraints	Description
/FreightShipRequest/Shipment/HandlingUnits		
HandlingUnits	Required: No Type: Container Max Allowed: Unbounded Length: N/A	Handling Unit for Density based Rating.
/FreightShipRequest/Shipment/HandlingUnits/Quantity		
Quantity	Required: Yes Type: String Max Allowed: 1 Length: 8	Handling Unit Quantity for Density based Rating
/FreightShipRequest/Shipment/HandlingUnits/Type		
Type	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Handling Unit Type for Density based Rating.
/FreightShipRequest/Shipment/HandlingUnits/Type/Code		
Code	Required: Yes Type: String Max Allowed: 1 Length: 3	The code associated with Handling Unit Type.

Name	Constraints	Description
/FreightShipRequest/Shipment/HandlingUnits/Type/Description		
Description	Required: No Type: String Max Allowed: 1 Length: 1…35	A text description of the code for the Handling Unit.
/FreightShipRequest/Shipment/HandlingUnits/Dimensions		
Dimensions	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Dimension of the handling unit for density based pricing.
/FreightShipRequest/Shipment/HandlingUnits/Dimensions/UnitOfMeasurement		
UnitOfMeasurement	Required: Yes Type: Container Max Allowed: 1 Length: N/A	UnitOfMeasurement Container.
/FreightShipRequest/Shipment/HandlingUnits/Dimensions/UnitOfMeasurement/Code		
Code	Required: Yes Type: String Max Allowed: 1 Length: 3	The code associated with the unit of measure for the line item dimension.
/FreightShipRequest/Shipment/HandlingUnits/Dimensions/UnitOfMeasurement/Description		
Description	Required: No Type: String Max Allowed: 1 Length: 1…35	A text description of the code for the unit of measure associated with the line item dimension.
/FreightShipRequest/Shipment/HandlingUnits/Dimensions/Length		
Length	Required: Yes Type: String Max Allowed: 1 Length: 1…19	The length of the line item used to determine density rate rating.
/FreightShipRequest/Shipment/HandlingUnits/Dimensions/Width		
Width	Required: Yes Type: String Max Allowed: 1 Length: 1…19	The width of the line item used to determine the density based rating.
/FreightShipRequest/Shipment/HandlingUnits/Dimensions/Height		
Height	Required: Yes Type: String Max Allowed: 1 Length: 1…19	The height of the line item used to determine density based rating.

DensityEligibleIndicator

Name	Constraints	Description
/FreightShipRequest/Shipment/DensityEligibleIndicator		
DensityEligibleIndicator	Required: No Type: String Max Allowed: 1 Length: 0	The presence of the tag DensityEligibleIndicator indicates that the density based rate is requested.

FreightShipResponse Top Level Containers
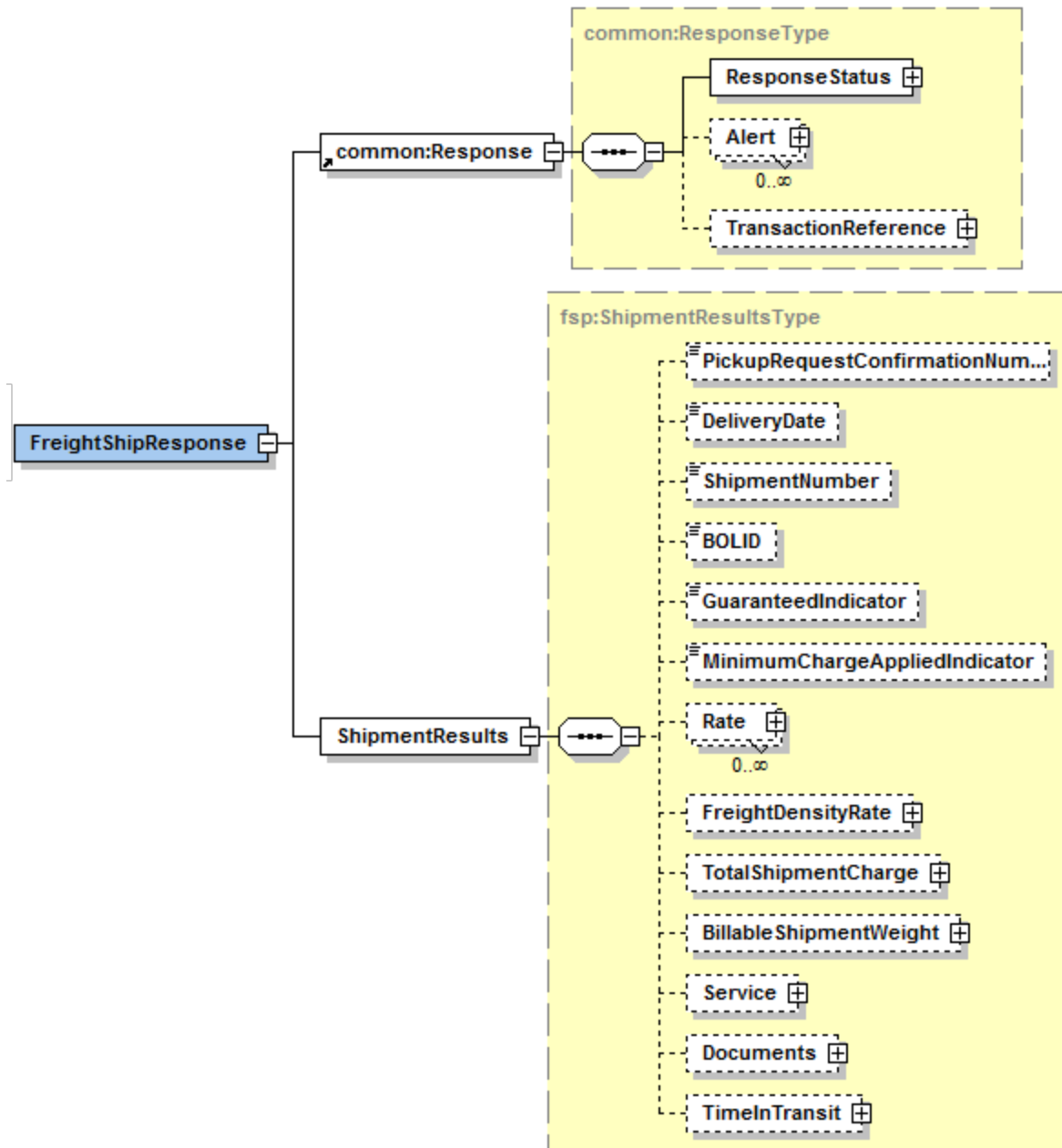
FreightShipResponse XPath

Remove: AirFreightPickupRequest, ShipperNumber

Name	Constraint	Description
/FreightShipResponse		
FreightShipResponse	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Freight Ship Response Container.

Response

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

ResponseStatus

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

Alert

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

Name	Constraint	Description
/FreightShipResponse/Response/Alert/Code		
Code	Required: Yes* Type: String Max Allowed: 1 Length: 1…10	Warning code returned by the system.
/FreightShipResponse/Response/Alert/Description		
Description	Required: Yes* Type: String Max Allowed: 1 Length: 1…150	Warning messages returned by the system.

TransactionReference

Name	Constraint	Description
/FreightShipResponse/Response/TransactionReference		
TransactionReference	Required: No Type: Container Max Allowed: 1 Length: N/A	Transaction Reference Container.
/FreightShipResponse/Response/TransactionReference/CustomerContext		
CustomerContext	Required: No Type: String Max Allowed: 1 Length: 1…512	The client uses CustomerContext to synchronize request/response pairs. The client establishes CustomerContext, which can contain any information you want, as long as it is valid XML; it is echoed back by the server.

ShipmentResults

Name	Constraint	Description
/FreightShipResponse/ShipmentResults		
ShipmentResults	Required: Yes Type: Container Max Allowed: 1 Length: N/A	ShipmentResults Container.

PickupRequestConfirmationNumber

Name	Constraint	Description
/FreightShipResponse/ShipmentResults/PickupRequestConfirmationNumber		
PickupRequestConfirmationNumber	Required: No Type: String Max Allowed: 1 Length: 35	Shipment pickup number.

DeliveryDate

Name	Constraint	Description
/FreightShipResponse/ShipmentResults/DeliveryDate		
DeliveryDate	Required: No Type: String Max Allowed: 1 Length: 8	Estimated date that the shipment will be delivered. Format: YYYYMMDD.

ShipmentNumber

Name	Constraint	Description
/FreightShipResponse/ShipmentResults/ShipmentNumber		
ShipmentNumber	Required: No Type: String Max Allowed: 1 Length: 9	The shipment Number assigned to the shipment.

BOLID

Name	Constraint	Description
/FreightShipResponse/ShipmentResults/BOLID		
BOLID	Required: No Type: String Max Allowed: 1 Length: 35	The retrieval key for the stored BOL.

GuaranteedIndicator

Name	Constraint	Description
/FreightShipResponse/ShipmentResults/GuaranteedIndicator		
GuaranteedIndicator	Required: No Type: Container Max Allowed: 1 Length: 0	This indicator indicates that the rate returned is guaranteed. Can only be returned if the billing option is prepaid.

MinimumChargeAppliedIndicator

Name	Constraint	Description
/FreightShipResponse/ShipmentResults/MinimumChargeAppliedIndicator		
MinimumChargeAppliedIndicator	Required: No Type: Container Max Allowed: 1 Length: 0	This is an empty tag. The presence of the tag indicates the rate returned has a minimum charge applied to it. Can only be returned if the billing option is prepaid.

Rate

Name	Constraint	Description
/FreightShipResponse/ShipmentResults/Rate		
Rate	Required: No Type: Container Max Allowed: UNB Length: N/A	Rate Container. Returned only if the billing option is prepaid.
/FreightShipResponse/ShipmentResults/Rate/Type		
Type	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Rate Type Container.
/FreightShipResponse/ShipmentResults/Rate/Type/Code		
Code	Required: Yes Type: String Max Allowed: 1 Length: 10	The code associated with the rate charge. For valid values, see Freight Charge Codes in the Appendix.
/FreightShipResponse/ShipmentResults/Rate/Type/Description		
Description	Required: No Type: String Max Allowed: 1 Length: 80	A text description of the code for the rate charge.
/FreightShipResponse/ShipmentResults/Rate/Factor		
Factor	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Factor Container.
/FreightShipResponse/ShipmentResults/Rate/Factor/Value		
Value	Required: Yes Type: String Max Allowed: 1 Length: 16	Contains value pertaining to rate type code. For e.g. if discount rate is 25% then rate type code will have code type as DISCOUNT_RATE" and rate factor value will have 25"
/FreightShipResponse/ShipmentResults/Rate/Factor/UnitOfMeasurement		
UnitOfMeasurement	Required: No Type: Container Max Allowed: 1 Length: N/A	Unit of measurement container for factors related to Rate Types.
/FreightShipResponse/ShipmentResults/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 code type that pertains to Unit Of Measurement Code. For e.g. 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"

Name	Constraint	Description
/FreightShipResponse/ShipmentResults/Rate/Factor/UnitOfMeasurement/Description		
Description	Required: No Type: String Max Allowed: 1 Length: 35	Description of unit of measurement code for rate factors

FreightDensityRate

Name	Constraint	Description	Validation
/FreightShipResponse/ShipmentResults/FreightDensityRate			
FreightDensityRate	Required: No Type: Container Max Allowed: 1 Length: N/A	FreightDensityRate container for Density based rating.	
/FreightShipResponse/ShipmentResults/FreightDensityRate/Density			
Density	Required: Yes* Type: String Max Allowed: 1 Length: 1…5	Density is returned if the Shipper is eligible for Density based rate. Valid values are 0 to 999.9	
/FreightShipResponse/ShipmentResults/FreightDensityRate/TotalCubicFeet			
TotalCubicFeet	Required: Yes* Type: String Max Allowed: 1 Length: 1…9	TotalCubic feet is returned if the Shipper is eligible for Density based rate. Valid values are 0 to 99999.999	

TotalShipmentCharge

Name	Constraint	Description
/FreightShipResponse/ShipmentResults/TotalShipmentCharge		
TotalShipmentCharge	Required: No Type: Container Max Allowed: 1 Length: N/A	TotalShipmentCharge Container. Can only be returned if the billing option is prepaid.
/FreightShipResponse/ShipmentResults/TotalShipmentCharge/CurrencyCode		
CurrencyCode	Required: Yes Type: String Max Allowed: 1 Length: 3	Total shipment Charge currency code type.
/FreightShipResponse/ShipmentResults/TotalShipmentCharge/MonetaryValue		
MonetaryValue	Required: Yes Type: String Max Allowed: 1 Length: 1…19	Total shipment charge.

BillableShipmentWeight

Name	Constraint	Description
/FreightShipResponse/ShipmentResults/BillableShipmentWeight		
BillableShipmentWeight	Required: No Type: Container Max Allowed: 1 Length: N/A	BillableShipmentWeight Container. Can only be returned if the billing option is prepaid.
/FreightShipResponse/ShipmentResults/BillableShipmentWeight/UnitOfMeasurement		
UnitOfMeasurement	Required: Yes Type: Container Max Allowed: 1 Length: N/A	UnitOfMeasurement Container.
/FreightShipResponse/ShipmentResults/BillableShipmentWeight/UnitOfMeasurement/Code		
Code	Required: Yes Type: String Max Allowed: 1 Length: 3	The code associated with the unit of measure for the billable weight of a shipment.
/FreightShipResponse/ShipmentResults/BillableShipmentWeight/UnitOfMeasurement/Description		
Description	Required: No Type: String Max Allowed: 1 Length: 35	The description for the billable weight associated with the shipment.
/FreightShipResponse/ShipmentResults/BillableShipmentWeight/Value		
Value	Required: Yes Type: String Max Allowed: 1 Length: 16	The value for the billable weight associated with the shipment.

Service

Name	Constraint	Description
/FreightShipResponse/ShipmentResults/Service		
Service	Required: No Type: Container Max Allowed: 1 Length: N/A	Service Container.
/FreightShipResponse/ShipmentResults/Service/Code		
Code	Required: Yes Type: String Max Allowed: 1 Length: 3	The code for the UPS Service associated with the shipment.
/FreightShipResponse/ShipmentResults/Service/Description		
Description	Required: No Type: String Max Allowed: 1 Length: 35	A text description of the UPS Service associated with the shipment.

Documents

Name	Constraint	Description
/FreightShipResponse/ShipmentResults/Documents		
Documents	Required: No Type: Container Max Allowed: 1 Length: N/A	Documents Container.
/FreightShipResponse/ShipmentResults/Documents/Image		
Image	Required: No Type: Container Max Allowed: UNB Length: N/A	Image Container.
/FreightShipResponse/ShipmentResults/Documents/Image/Type		
Type	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Image Type Container.
/FreightShipResponse/ShipmentResults/Documents/Image/Type/Code		
Code	Required: Yes Type: String Max Allowed: 1 Length: 2	Code representing the image type.
/FreightShipResponse/ShipmentResults/Documents/Image/Type/Description		
Description	Required: Yes Type: String Max Allowed: 1 Length: 35	Description of the image type code.
/FreightShipResponse/ShipmentResults/Documents/Image/GraphicImage		
GraphicImage	Required: Yes Type: String Max Allowed: 1 Length: Unbounded	Base 64 encoded graphic image.
/FreightShipResponse/ShipmentResults/Documents/Image/Format		
Format	Required: Yes Type: Container Max Allowed: 1 Length: N/A	ImageFormat Container.
/FreightShipResponse/ShipmentResults/Documents/Image/Format/Code		
Code	Required: Yes Type: String Max Allowed: 1 Length: 3	Code representing the image format.
/FreightShipResponse/ShipmentResults/Documents/Image/Format/Description		
Description	Required: Yes Type: String Max Allowed: 1 Length: 35	Description of the image format code.

Name	Constraint	Description
/FreightShipResponse/ShipmentResults/Documents/Forms		
Forms	Required: No Type: Container Max Allowed: UNB Length: N/A	Forms Container.
/FreightShipResponse/ShipmentResults/Documents/Forms/Type		
Type	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Forms Type Container.
/FreightShipResponse/ShipmentResults/Documents/Forms/Type/Code		
Code	Required: Yes Type: String Max Allowed: 1 Length: 2	Code representing the form type
/FreightShipResponse/ShipmentResults/Documents/Forms/Type/Description		
Description	Required: Yes Type: String Max Allowed: 1 Length: 35	Description of the form type code.
/FreightShipResponse/ShipmentResults/Documents/Forms/GraphicImage		
GraphicImage	Required: Yes Type: String Max Allowed: 1 Length: Unbounded	Base 64 encoded graphic image.
/FreightShipResponse/ShipmentResults/Documents/Forms/Format		
Format	Required: Yes Type: Container Max Allowed: 1 Length: N/A	Forms Format Container.
/FreightShipResponse/ShipmentResults/Documents/Forms/Format/Code		
Code	Required: Yes Type: String Max Allowed: 1 Length: 3	Code representing the format of the form. Currently only pdf is supported.
/FreightShipResponse/ShipmentResults/Documents/Forms/Format/Description		
Description	Required: Yes Type: String Max Allowed: 1 Length: 35	Description of the format code of the form.

TimeInTransit

Name	Constraint	Description
/FreightShipResponse/ShipmentResults/TimeInTransit		
TimeInTransit	Required: No Type: Container Max Allowed: 1 Length: N/A	Time In transit information.

Name	Constraint	Description
/FreightShipResponse/ShipmentResults/TimeInTransit/DaysInTransit		
DaysInTransit	Required: No Type: String Max Allowed: 1 Length: N/A	Number of days in transit.

Ground FreightShipRequest Example

```xml
<env:Envelope xmlns:env="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:upss="http://www.ups.com/XMLSchema/XOLTWS/UPSS/v1.0"
xmlns:wsf="http://www.ups.com/schema/wsf"
xmlns:common="http://www.ups.com/XMLSchema/XOLTWS/Common/v1.0">
  <env:Header>
    <upss:UPSSecurity>
      <upss:UsernameToken>
        <upss:Username>Your User Id</upss:Username>
        <upss:Password>Your Password</upss:Password>
      </upss:UsernameToken>
      <upss:ServiceAccessToken>
        <upss:AccessLicenseNumber>Your Access License Number</upss:AccessLicenseNumber>
      </upss:ServiceAccessToken>
    </upss:UPSSecurity>
  </env:Header>
  <env:Body>
    <FreightShipRequest xmlns="http://www.ups.com/XMLSchema/XOLTWS/FreightShip/v1.0"
xmlns:IF="http://www.ups.com/XMLSchema/XOLTWS/IF/v1.0">
      <common:Request>
        <common:RequestOption>1</common:RequestOption>
        <common:SubVersion>SubVersion</common:SubVersion>
        <common:TransactionReference>
          <common:CustomerContext>Your Customer Context</common:CustomerContext>
        </common:TransactionReference>
      </common:Request>
      <XOLTWS:Shipment xmlns:XOLTWS="http://www.ups.com/XMLSchema/XOLTWS/FreightShip/v1.0">
        <XOLTWS:ShipFrom>
          <XOLTWS:Name>Ship From Name</XOLTWS:Name>
          <XOLTWS:Address>
            <XOLTWS:AddressLine>Address Line</XOLTWS:AddressLine>
            <XOLTWS:City>City</XOLTWS:City>
            <XOLTWS:StateProvinceCode>StateProvinceCode</XOLTWS:StateProvinceCode>
            <XOLTWS:PostalCode>PostalCode</XOLTWS:PostalCode>
            <XOLTWS:CountryCode>CountryCode</XOLTWS:CountryCode>
          </XOLTWS:Address>
          <XOLTWS:AttentionName>Attention Name</XOLTWS:AttentionName>
          <XOLTWS:Phone>
            <XOLTWS:Number>Shipper Phone number</XOLTWS:Number>
          </XOLTWS:Phone>
        </XOLTWS:ShipFrom>
        <XOLTWS:ShipperNumber>Your Shipper Number</XOLTWS:ShipperNumber>
        <XOLTWS:ShipTo>
          <XOLTWS:Name>Ship To Name</XOLTWS:Name>
          <XOLTWS:Address>
            <XOLTWS:AddressLine>Address Line</XOLTWS:AddressLine>
            <XOLTWS:City>City</XOLTWS:City>
            <XOLTWS:StateProvinceCode>StateProvinceCode</XOLTWS:StateProvinceCode>
            <XOLTWS:PostalCode>PostalCode</XOLTWS:PostalCode>
            <XOLTWS:CountryCode>CountryCode</XOLTWS:CountryCode>
```

```
        </XOLTWS:Address>
        <XOLTWS:AttentionName>Attention Name</XOLTWS:AttentionName>
      </XOLTWS:ShipTo>
      <XOLTWS:PaymentInformation>
        <XOLTWS:Payer>
          <XOLTWS:Name>Payer Name</XOLTWS:Name>
          <XOLTWS:Address>
            <XOLTWS:AddressLine>Address Line</XOLTWS:AddressLine>
            <XOLTWS:City>City</XOLTWS:City>
            <XOLTWS:StateProvinceCode>StateProvinceCode</XOLTWS:StateProvinceCode>
            <XOLTWS:PostalCode>PostalCode</XOLTWS:PostalCode>
            <XOLTWS:CountryCode>CountryCode</XOLTWS:CountryCode>
          </XOLTWS:Address>
          <XOLTWS:ShipperNumber>Payer Shipper Number</XOLTWS:ShipperNumber>
          <XOLTWS:AccountType>Your Account Type</XOLTWS:AccountType>
          <XOLTWS:AttentionName>Attention Name</XOLTWS:AttentionName>
          <XOLTWS:Phone>
            <XOLTWS:Number>Phone Number</XOLTWS:Number>
          </XOLTWS:Phone>
        </XOLTWS:Payer>
        <XOLTWS:ShipmentBillingOption>
          <XOLTWS:Code>ShipmentBillingOption</XOLTWS:Code>
        </XOLTWS:ShipmentBillingOption>
      </XOLTWS:PaymentInformation>
      <XOLTWS:Service>
        <XOLTWS:Code>Service code</XOLTWS:Code>
      </XOLTWS:Service>
      <XOLTWS:HandlingUnitOne>
        <XOLTWS:Quantity>HandlingUnitOne quantity</XOLTWS:Quantity>
        <XOLTWS:Type>
          <XOLTWS:Code>HandlingUnitOne type</XOLTWS:Code>
        </XOLTWS:Type>
      </XOLTWS:HandlingUnitOne>
      <XOLTWS:Commodity>
        <XOLTWS:Description>Commodity Description</XOLTWS:Description>
        <XOLTWS:Weight>
          <XOLTWS:UnitOfMeasurement>
            <XOLTWS:Code>UnitOfMeasurement code</XOLTWS:Code>
          </XOLTWS:UnitOfMeasurement>
          <XOLTWS:Value>Weight</XOLTWS:Value>
        </XOLTWS:Weight>
        <XOLTWS:NumberOfPieces>NumberOfPieces</XOLTWS:NumberOfPieces>
        <XOLTWS:PackagingType>
          <XOLTWS:Code>PackagingType code</XOLTWS:Code>
        </XOLTWS:PackagingType>
        <XOLTWS:FreightClass>FreightClass</XOLTWS:FreightClass>
      </XOLTWS:Commodity>
      <XOLTWS:DensityEligibleIndicator/>
      <XOLTWS:TimeInTransitIndicator/>
    </XOLTWS:Shipment>
  </FreightShipRequest>
 </env:Body>
</env:Envelope>
```

Ground FreightShipResponse Example

```xml
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
  <soapenv:Header/>
  <soapenv:Body>
    <freightShip:FreightShipResponse
xmlns:freightShip="http://www.ups.com/XMLSchema/XOLTWS/FreightShip/v1.0">
      <common:Response xmlns:common="http://www.ups.com/XMLSchema/XOLTWS/Common/v1.0">
        <common:ResponseStatus>
          <common:Code>1</common:Code>
          <common:Description>Success</common:Description>
        </common:ResponseStatus>
        <common:TransactionReference>
          <common:CustomerContext>Your Customer Context</common:CustomerContext>
        </common:TransactionReference>
      </common:Response>
      <freightShip:ShipmentResults>

<freightShip:OriginServiceCenterCode>OriginServiceCenterCode</freightShip:OriginServiceCenterCode>
        <freightShip:ShipmentNumber>Shipment Number</freightShip:ShipmentNumber>
        <freightShip:BOLID>BOLID</freightShip:BOLID>
        <freightShip:GuaranteedIndicator/>
        <freightShip:Rate>
          <freightShip:Type>
            <freightShip:Code>DSCNT</freightShip:Code>
            <freightShip:Description>DSCNT</freightShip:Description>
          </freightShip:Type>
          <freightShip:Factor>
            <freightShip:Value>Value</freightShip:Value>
            <freightShip:UnitOfMeasurement>
              <freightShip:Code>UnitOfMeasurement code</freightShip:Code>
            </freightShip:UnitOfMeasurement>
          </freightShip:Factor>
        </freightShip:Rate>
        <freightShip:Rate>
          <freightShip:Type>
            <freightShip:Code>DSCNT_RATE</freightShip:Code>
            <freightShip:Description>DSCNT_RATE</freightShip:Description>
          </freightShip:Type>
          <freightShip:Factor>
            <freightShip:Value>Value</freightShip:Value>
            <freightShip:UnitOfMeasurement>
              <freightShip:Code>UnitOfMeasurement code</freightShip:Code>
            </freightShip:UnitOfMeasurement>
          </freightShip:Factor>
        </freightShip:Rate>
        <freightShip:Rate>
          <freightShip:Type>
            <freightShip:Code>2</freightShip:Code>
            <freightShip:Description>2</freightShip:Description>
          </freightShip:Type>
          <freightShip:Factor>
            <freightShip:Value>Value</freightShip:Value>
            <freightShip:UnitOfMeasurement>
              <freightShip:Code>UnitOfMeasurement code</freightShip:Code>
            </freightShip:UnitOfMeasurement>
          </freightShip:Factor>
```

```xml
          </freightShip:Rate>
          <freightShip:Rate>
            <freightShip:Type>
              <freightShip:Code>LND_GROSS</freightShip:Code>
              <freightShip:Description>LND_GROSS</freightShip:Description>
            </freightShip:Type>
            <freightShip:Factor>
              <freightShip:Value>Value</freightShip:Value>
              <freightShip:UnitOfMeasurement>
                <freightShip:Code>UnitOfMeasurement code</freightShip:Code>
              </freightShip:UnitOfMeasurement>
            </freightShip:Factor>
          </freightShip:Rate>
          <freightShip:Rate>
            <freightShip:Type>
              <freightShip:Code>AFTR_DSCNT</freightShip:Code>
              <freightShip:Description>AFTR_DSCNT</freightShip:Description>
            </freightShip:Type>
            <freightShip:Factor>
              <freightShip:Value>Value</freightShip:Value>
              <freightShip:UnitOfMeasurement>
                <freightShip:Code>UnitOfMeasurement code</freightShip:Code>
              </freightShip:UnitOfMeasurement>
            </freightShip:Factor>
          </freightShip:Rate>
          <freightShip:TotalShipmentCharge>
            <freightShip:CurrencyCode>CurrencyCode</freightShip:CurrencyCode>
            <freightShip:MonetaryValue>MonetaryValue</freightShip:MonetaryValue>
          </freightShip:TotalShipmentCharge>
          <freightShip:BillableShipmentWeight>
            <freightShip:UnitOfMeasurement>
              <freightShip:Code>UnitOfMeasurement code</freightShip:Code>
            </freightShip:UnitOfMeasurement>
            <freightShip:Value>BillableShipmentWeight</freightShip:Value>
          </freightShip:BillableShipmentWeight>
          <freightShip:Service>
            <freightShip:Code>Service code</freightShip:Code>
          </freightShip:Service>
          <freightShip:TimeInTransit>
            <freightShip:DaysInTransit>DaysInTransit</freightShip:DaysInTransit>
          </freightShip:TimeInTransit>
        </freightShip:ShipmentResults>
      </freightShip:FreightShipResponse>
    </soapenv:Body>
  </soapenv:Envelope>
```

Chapter 6: Shipping Ground Freight API FAQs

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

Category	Question	Answer
General	What is the minimum weight limit for LTL Freight shipments?	1lb.
LTL Shipping	Does the API rate offshore shipments?	No. Please call Customer Service at 1-800-333-7400 for offshore rating
LTL Shipping	What are the valid origin countries for LTL Freight?	LTL Freight country origins include US, CA, and MX. Also supported in PR.
Negotiated Rates	How do I get access to LTL Freight negotiated rates?	Contact your Account Representative and ensure that you have a myLTL ID set up with LTL Freight at www.upsfreight.com
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.
Maximum Shipment Weight	What is the maximum shipment weight for LTL Freight?	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 at 1-800-333-7400 for assistance with this rate.
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	Are Third Party or Freight Collect available through either the Rating or Shipping APIs?	Yes. The LTL Freight Rating and Shipping APIs are only available for the customers who are paying the invoice. However, the Shipper, Consignee, or the 3rd Party can 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
Time in Transit	Is Time in Transit available through the LTL Freight Rating or Shipping APIs?	Yes. Time in Transit (Days in Transit) for Ground Freight is available in the Freight Ship and Freight Rate Web Services. The API's return the number of days from the origin to the destination. The days do not take into account Weekends or Holidays.
Shipping Label and BOL	How is the Bill of Lading (BOL) formatted within the LTL Freight Shipping API response?	The BOL is returned within the LTL Freight Shipping API response as image/elements that can be printed immediately or assembled to create a .pdf for printing. Within the Shipping API - LTL Freight Developer Guide the Bill of Lading document is returned in the response as a base64 encoded string which, when decoded and saved, is a .pdf document ready to print.
Support for Air Freight	Does the Shipping API - LTL Freight also support Air Freight?	No.

Appendices

Error Codes (WS)

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

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

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

Common Error Codes

The following error codes can apply to all Web Services and APIs.

Code	Severity	Description
10001	Hard	The XML document is not well formed.
10002	Hard	The XML document is well formed but the document is not valid.
10003	Hard	The XML document is either empty or null.
10006	Hard	Although the document is well formed and valid, the element content contains values which do not conform to the rules and constraints contained in this specification.
10013	Hard	The message is too large to be processed by the Application.
20001	Transient	General process failure.
20002	Hard	The specified service name, {0}, and version number, {1}, combination is invalid.
20003	Hard	Please check the server environment for the proper J2EE ws apis.
20006	Hard	Invalid request action.
20007	Hard	Missing Required field, {0}.
20008	Hard	The field, {0}, contains invalid data, {1}.
20012	Hard	The Client Information exceeds its Maximum Limit of {0}.
250000	Hard	No XML declaration in the XML document.
250001	Hard	Invalid Access License for the tool. Please re-license.
250002	Hard	Invalid UserId/Password.
250003	Hard	Invalid Access License number.
250004	Hard	Incorrect UserId or Password.
250005	Hard	No Access and Authentication Credentials provided.
250006	Hard	The maximum number of user access attempts was exceeded.
250007	Hard	The UserId is currently locked out; please try again in 24 hours.
250009	Hard	License Number not found in the UPS database.
250019	Hard	Invalid Field value.
250050	Transient	License system not available.

Shipping Ground Freight Error Codes

Error Code	Severity	Description
9360081	Hard	Shipment is not eligible for UPS Freight® LTL Guaranteed A.M. service.
9368782	Hard	Invalid request type. Valid values are L, F, B and P.
9360017	Hard	Invalid Origin Location
9360032	Hard	Confirmation Number not found.
9360033	Hard	Invalid Tariff Point Code
9360034	Hard	Cannot update completed shipment.
9360077	Hard	Origin and Destination are the same
9360078	Hard	Invalid Destination Location.
9360079	Hard	UPS Freight® LTL Guaranteed A.M. service is not valid for the destination postal code you entered.
9360080	Hard	Shipment is not eligible for LTL guaranteed service.
9360082	Hard	LTL guaranteed Service not available.
9360083	Hard	Invalid destination postal code, please verify and resubmit.
9360117	Hard	3rd Party Payment terms and 3rd country payer not allowed.
9360481	Hard	Customs Value is Missing or Invalid.
9360482	Hard	Hazmat Transportation Mode is Missing or Invalid.
9360483	Hard	Invalid Saturday Delivery Accessorial.
9360484	Hard	Hold At Airport For Pickup accessorial is not valid for service selected.
9360500	Hard	Invalid Accessorial Code
9360558	Hard	Same-day pickups scheduled at 3pm or later may be rescheduled for the following day.
9360559	Hard	Ready Time and Drop off Time both provided.
9360560	Hard	Pickup date is a Saturday, Sunday or Holiday and cannot be accommodated
9360561	Hard	Same day pickup not available. Pickup the next available pickup date.
9360562	Hard	Drop off time is not valid. After last drop off time
9360563	Hard	Missing or Invalid Ready Time
9360564	Hard	Pickup date is not valid. No pickups on Sat, Sun or Holiday
9360565	Hard	Requested Pickup date future date maximum
9360566	Hard	Insufficient Last Pickup Time and Lead Time data to calculate cut-off. Ready Time must be prior to 9:00:00 AM
9360567	Hard	Missing POM Number
9360568	Hard	Missing POM Number Type
9360569	Hard	Invalid failed Email address.
9360570	Hard	Two or more of the selected services cannot be combined. Please resubmit using another combination.
9360572	Hard	Missing PickupNotifications element.
9360573	Hard	Missing email notification element
9360574	Hard	Missing failed email address.

Error Code	Severity	Description
9360575	Hard	Email address is missing.
9360576	Hard	Event type is missing.
9360577	Hard	POM not available for this origin
9360578	Hard	Not more than 5 EmailNotification elements allowed
9360579	Hard	Not more than 4 EventTypes allowed
9360580	Hard	Invalid Confirmation Number
9360581	Hard	Missing Confirmation Number
9360583	Hard	Invalid Event type
9360584	Hard	Invalid POM Number
9360585	Hard	Invalid POM Number type
9360586	Hard	POM is only available for Ground Freight shipments.
9360600	Hard	Invalid Service Code
9360654	Hard	Missing or Invalid Handling Unit {0} Quantity.
9360655	Hard	Missing or Invalid Handling Unit {0} Packaging Type Code.
9360656	Hard	Missing or Invalid Handling Unit {0} Dimension Length.
9360657	Hard	Missing or Invalid Handling Unit {0} Dimension Width.
9360658	Hard	Missing or Invalid Handling Unit {0} Dimension Height.
9360659	Hard	Missing or Invalid Unit of Measurement Code for Handling Unit {0}.
9360660	Hard	Shipper has density pricing. Handling unit dimension required.
9360661	Hard	Density rate is not available but NMFC and class number are missing for class based rating.
9360662	Hard	Missing Handling Unit {0} Package Type Container.
9360663	Hard	Missing Handling Unit {0} Dimension Container.
9360664	Hard	Missing Handling Unit {0} UOM Container.
9360665	Hard	Excess liability cannot be greater than 100000.00.
9360728	Hard	Shipment total weight under 151 pounds.
9360729	Hard	Linear feet is required for total weight more than 10,000 lbs.
9360730	Hard	Missing required shipment parties.
9360731	Hard	Duplicate Shipment Number.
9368775	Hard	Invalid NMFC Prime Number for commodity{0}
9368780	Hard	Invalid ship date. Ship date should not be in the past.
9368781	Hard	Invalid numbers of handling units. Should be between 1 and 9999.
9368783	Hard	Invalid request party. Valid values are S, C and T.
9368784	Hard	At least one shipment is required.
9368785	Hard	Please contact UPS Freight Customer Service for Rates at 800-333-7400.
9368786	Hard	Please contact UPS Freight Customer Service for Rates at 800-333-7400.
9368787	Hard	Invalid Ship From Address.
9368788	Hard	Shipment weight must be less than 10,000 lbs.

Error Code	Severity	Description
9368789	Hard	Please contact UPS Freight Customer Service for Rates at 800-333-7400.
9368790	Hard	Weight unit of measure is invalid
9369061	Hard	The origin is located in an extended area requiring an estimated 2 days additional transit time.
9369062	Hard	The destination is located in an extended area requiring an estimated 1 day additional transit time.
9369063	Hard	The destination is located in an extended area requiring an estimated 2 day additional transit time.
9369064	Hard	UPS 3 Day transit time is greater than 3 days.
9369065	Hard	Payment Terms and lane selected requires pre-authorization.
9370000	Transient	Freight Shipping Web Service is Unavailable
9370001	Hard	Missing Ship From Phone
9370041	Hard	Missing or Invalid Shipper Number
9370060	Hard	Missing Confirmation Number container.
9370061	Hard	Missing or Invalid Account Type Code.
9370062	Hard	Missing Confirmation Number Type.
9370063	Hard	Missing or invalid Code for Confirmation Number Type.
9370064	Hard	Missing or invalid Confirmation Number Value.
9370065	Hard	BOLID and confirmation number cannot be used together. Please use confirmation number instead.
9370066	Hard	Missing or Invalid Creation Date.
9370101	Hard	Missing Payment Information
9370151	Hard	Missing Shipment Billing Option
9370175	Hard	Missing or Invalid Manufacturer Country Code.
9370201	Hard	Missing Service
9370216	Hard	Missing or Invalid Handling Unit One Quantity
9370217	Hard	Missing Handling Unit One Type
9370231	Hard	Missing or Invalid Handling Unit Two Quantity
9370232	Hard	Missing Handling Unit Two Type
9370245	Hard	Missing or Invalid Shipment Total Weight Value.
9370246	Hard	Missing Unit of Measurement for Shipment Total Weight.
9370247	Hard	Missing or Invalid Unit of Measurement Code for Shipment Total Weight.
9370256	Hard	Missing Commodity {cardinality} Weight
9370257	Hard	Missing Commodity {cardinality} Weights Unit Of Measure
9370258	Hard	Missing the Commodity {cardinality} Dimensions Unit of Measurement
9370259	Hard	Missing Packaging Type of Commodity {cardinality}
9370260	Hard	Missing or Invalid Monetary Value of Commodity {cardinality}s Commodity Value
9370261	Hard	NMFC Commodity Prime Code is required when NMFC Commodity Sub Code is supplied for Commodity{0}
9370262	Hard	NMFCCommodity container and NMFCCommodityCode are mutually exclusive for Commodity{0}

Error Code	Severity	Description
9370327	Hard	Missing Reference {cardinality}s Number.
9370328	Hard	Invalid Number of Cartons in Reference {cardinality}.
9370329	Hard	Missing Reference {cardinality} Weights Unit of Measure
9370376	Hard	For a shipment, the maximum number of Email Information allowed for {Email Type} is 1
9370377	Hard	Missing Email Information {cardinality}s Email Type
9370378	Hard	Missing or Invalid Email Information {cardinality}s Email Type Code.
9370379	Hard	Missing Shipment Notification Email.
9370380	Hard	Missing or Invalid Shipment Notification undeliverable email address.
9370381	Hard	Missing Delivery Notification Email.
9370382	Hard	Missing or Invalid Delivery Notification undeliverable email address.
9370383	Hard	Missing Exception Notification Email.
9370384	Hard	Missing or Invalid Exception Notification undeliverable email address.
9370385	Hard	Missing Air Way Bill Notification Email.
9370386	Hard	Missing or Invalid Air Way Bill Notification undeliverable email address.
9370387	Hard	Missing BOL/Label Bill Notification Email.
9370388	Hard	Missing or Invalid BOL/Label Notification undeliverable email address.
9370421	Hard	Missing COD Value.
9370422	Hard	Missing the COD Payment Method.
9370423	Hard	Missing the COD Billing Option.
9370424	Hard	Missing Remit To Address
9370425	Hard	Missing COD Remit To
9370446	Hard	Missing Overseas Leg Dimensions
9370447	Hard	Missing the Unit of Measurement for the Overseas Leg Dimensions
9370448	Hard	Missing or Invalid Overseas Leg Value
9370449	Hard	Missing or Invalid Overseas Leg Volume
9370450	Hard	Missing or Invalid Overseas Leg Height
9370451	Hard	Missing or Invalid Overseas Leg Length
9370452	Hard	Missing or Invalid Overseas Leg Width
9370453	Hard	Missing or Invalid Monetary Value for the Overseas Leg Price per Cubic Foot.
9370454	Hard	Missing or Invalid Monetary Value for the Overseas Leg Price per CWT.
9370455	Hard	Missing Value for Overseas Leg.
9370466	Hard	Invalid combination of Percentage and Value for the Handling Charge service option.
9370467	Hard	Missing Dangerous Goods Contact Name
9370468	Hard	Missing Dangerous Goods Phone
9370469	Hard	Missing Dangerous Goods Phone Number
9370470	Hard	Missing or Invalid Handling Charge Percentage or value
9370471	Hard	Invalid Combination of Handling Charge Percentage and Value

Error Code	Severity	Description
9370527	Hard	Missing Pickup Requester Phone.
9370651	Hard	Missing or Invalid document image labels per page for image {cardinality}
9370652	Hard	Missing or Invalid document image type code for image {cardinality}
9370653	Hard	Missing or invalid format code for image {cardinality}
9370654	Hard	Missing print size for image {cardinality}
9370655	Hard	Missing or invalid print size width for image {cardinality}
9370656	Hard	Missing or invalid print size length for image {cardinality}
9370657	Hard	Missing print format for image {cardinality}.
9370658	Hard	Missing or invalid print format code for image {cardinality}.
9370659	Hard	Missing document image type for image{cardinality}.
9370660	Hard	Missing format for image {cardinality}.
9370661	Hard	Invalid document image {cardinality} print sizes.
9370701	Hard	Invalid processing option
9370751	Hard	Missing or invalid ship from company name in packing list.
9370752	Hard	Invalid ship from attention name in packing list.
9370753	Hard	Missing or invalid ship from address line one in packing list.
9370754	Hard	Invalid ship from address line two in packing list.
9370755	Hard	Invalid ship from address line three in packing list.
9370756	Hard	Missing or invalid ship from city in packing list.
9370757	Hard	Invalid ship from state code in packing list.
9370758	Hard	Missing or invalid ship from country code in packing list.
9370759	Hard	Invalid ship from postal code in packing list.
9370760	Hard	Invalid ship from town in packing list.
9370761	Hard	Invalid ship from phone number in packing list.
9370762	Hard	Invalid ship from phone extension in packing list.
9370764	Hard	Missing or invalid ship to company name in packing list.
9370765	Hard	Invalid ship to attention name in packing list.
9370766	Hard	Missing or invalid ship to address line one in packing list.
9370767	Hard	Invalid ship to address line two in packing list.
9370768	Hard	Invalid ship to address line three in packing list.
9370769	Hard	Missing or invalid ship to city in packing list.
9370770	Hard	Invalid ship to state code in packing list.
9370771	Hard	Missing or invalid ship to country code in packing list.
9370772	Hard	Invalid ship to postal code in packing list.
9370773	Hard	Invalid ship to town in packing list.
9370774	Hard	Invalid ship to phone number in packing list.
9370775	Hard	Invalid ship to phone extension in packing list.
9370777	Hard	Missing or invalid packing list reference value one.

Error Code	Severity	Description
9370778	Hard	Missing or invalid packing list reference value two.
9370779	Hard	Invalid packing list reference label one.
9370780	Hard	Invalid packing list reference label two.
9370781	Hard	Invalid total number of commodities in packing list.
9370782	Hard	Invalid handling unit instructions in packing list.
9370783	Hard	Invalid handling unit total number of pieces in packing list.
9370784	Hard	Invalid handling unit total weight in packing list.
9370785	Hard	Missing or invalid handling unit UOM in packing list.
9370786	Hard	Invalid handling unit currency code in packing list.
9370787	Hard	Invalid number of pieces for commodity {index} in packing list.
9370788	Hard	Missing or invalid packaging type for commodity{index} in packing list.
9370790	Hard	Invalid description for commodity{index} in packing list.
9370791	Hard	Invalid NMFCCommodityCode for commodity{index} in packing list.
9370792	Hard	Invalid freight class for commodity{index} in packing list.
9370793	Hard	Missing or invalid length for commodity{index} in packing list.
9370794	Hard	Missing or invalid width for commodity{index} in packing list.
9370795	Hard	Missing or invalid height for commodity{index} in packing list.
9370796	Hard	Invalid weight for commodity{index} in packing list.
9370797	Hard	Invalid price for commodity{index} in packing list.
9370798	Hard	Invalid total number of handling units in packing list.
9371000	Hard	Invalid Freight Shipping Request Document
9372000	Hard	Missing TaxID Type Container.
9372001	Hard	Missing or Invalid Code for TaxID Type.
9372002	Hard	Missing or Invalid TaxID Number.

Charge Codes

Code	Charge Description
2	Fuel Surcharge
ADV_NOTF	Arrival Notification
AFTR_DSCNT	Amount after Discount
CA_BORDER	Border Processing Fee
CA_CSTM_MNFST	Custom Manifest Fee
COD	Collect on Delivery fee
CON_ST_DEL	Construction Site Delivery
DEFICITRATE	Deficit Rate
DEFICITWGHT	Deficit Weight
DFCT_AMT	Deficit Charge
DSCNT	Discounted Amount
DSCNT_RATE	Discount Rate (as a percentage)
EXC_LEN	Extreme Length
EXLI	Excess Declared Value Charges
FREEZE_PROT	Freezable Protection
GUAR_SERVICE	Guaranteed Service Charges
HAZMAT	Hazardous Materials Charge
HICST	High Cost Service Area Surcharge
HOL_WE_PU_DEL	Holiday/Weekend Pickup or Delivery
INSD_PU_DEL	Inside Pickup/Delivery
L_UPGF_016	Custom Charge
LIFTGATE	Liftgate Fee
LIM_ACC_PU_DEL	Limited Access Pickup/Delivery
LND_GROSS	Gross Charges
MINCHARGE	Minimum Charge Applies
OFUELSURCHG	Ocean Fuel Surcharge
RESI_PU_DEL	Residential Pickup/Delivery
RMTLOC	Remote Location Fee
SORTSEG	Sorting and Segregation
TOTI	Total Island Charges
TOTO	Total Ocean Charges

Country Codes

Rating and Shipping Ground Feight LTL API Supported Countries

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

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

NOTE: Not all UPS services are available in every country. Refer to the UPS Rate and Service Guide at UPS.com for more information on UPS services.

Destination Country Name	Country Code	Supported Forward Origin
Canada	CA	X
Mexico	MX	X
Puerto Rico	PR	X
United States	US	X

Ground Freight Classes

Freight Class
50
55
60
65
70
77.5
85
92.5
100
110
125
150
175
200
250
300
400
500

Handling Unit Codes

Description	Code	Valid for Handling Unit One	Valid for Handling Unit Two
SKID	SKD	X	
CARBOY	CBY	X	
PALLET	PLT	X	
TOTES	TOT	X	
LOOSE	LOO		X
OTHER	OTH		X

LTL Event Types

Code	Description
EN	DRIVER_EN_ROUTE
PS	PICKUP_SECURED
PX	PICKUP_EXCEPTION
RR	PICKUP_REQUEST_CONFIRM

Packaging Type Codes

Ground Freight Packaging Types for Rating, Shipping, and Packaging

Code	Description
BAG	Bag
BAL	Bale
BAR	Barrel
BDL	Bundle
BIN	Bin
BOX	Box
BSK	Basket
BUN	Bunch
CAB	Cabinet
CAN	Can
CAR	Carrier
CAS	Case
CBY	Carboy
CON	Container
CRT	Crate
CSK	Cask
CTN	Carton
CYL	Cylinder
DRM	Drum
LOO	Loose
OTH	Other
PAL	Pail
PCS	Pieces
PKG	Package
PLN	Pipe Line
PLT	Pallet
RCK	Rack
REL	Reel
ROL	Roll
SKD	Skid
SPL	Spool
TBE	Tube
TNK	Tank
UNT	Unit
VPK	Van Pack
WRP	Wrapped

POM Number Type Values

Freight Class:

- BOL number
- Load number
- Other
- P&M
- Pickup number
- Pickup Reference number
- PO number
- PRO number
- Project
- Quote number
- RA number
- Release number
- SID number
- Task
- VPRC

Rate Type Codes

Code	Description
ACM	Automated Customs Manifest Service Fee
CCF	Customs Brokerage Related Customs clearance fee
COD	Check To Shipper Fee Changed from CHS to COD
DDS	Destination Beyond Charge Default delivery area surcharge
DDU	Delivery Duty Unpaid Service Fee
DOU	Destination Document(s) Fees Document generation usage
DTD	Delivery Removed FRS – delivery to door
DVS	Declared/Insured Value Surcharge Removed DCV - shipper extra value insurance
ECU	Export Customs Brokerage Export Compliance Checking (usage)
FAS	Base Transportation Flat amount per shipment - Base Transportation
FSC	Fuel Surcharge
GST	Goods and Service Tax
HAP	Hold at Airport for Pickup
HAZ	Dangerous Goods Surcharge
HST	Harmonized Sales Tax
IST	International Sales Tax
LGS	Liftgate Required
MDF	Misc. Destination Fees Recv detail – additional destination fee
MOF	Misc. Origin Fees
NCF	Nav. Canada Fee
NTS	Email Notification LTL/TL notification to ship
ODF	Origin Document(s) Fees
OVR	Oversize Surcharge Over maximum size
PIK	Pickup
PSS	Peak Season Surcharge
PST	Provincial Sales Tax
REP	Residential Pickup
RES	Residential Delivery
RPS	Origin Beyond Charge Rural Pickup Surcharge
SAT	Saturday Delivery
SDT	Delivery Duty Paid Service Fee Split Duty/Tax
SEC	Security Fee
SIG	Signature Security Fee
SPU	Saturday Pickup
TSC	Trade Show Fee
VAT	Value Added Tax –Value Added Tax

Reference Codes

Freight shipments may include a reference number. The only reference numbers that can be tracked are Bill of Lading Number and Purchase Order Number.

All other reference numbers up to five references can be printed on the BOL. The following table lists the reference number code values.

Code	Reference Number Type
57	Bill of Lading Number
28	Purchase Order Number
OTHER	TYPE_OTHER
PM	TYPE_PM
PROJ	TYPE_PROJ
QUOTE	TYPE_QUOTE
SID	TYPE_SID
TASK	TYPE_TASK
VPRC	TYPE_VPRC
SH	Shipper Reference (Shipment Level Reference for E2K)
CO	Consignee Reference (Shipment Level Reference for E2K)
Code	Reference Number Type
SH	Shipper Reference (Shipment Level Reference for E2K)
CO	Consignee Reference (Shipment Level Reference for E2K)

Service Codes

Code	Charge
308	UPS Freight LTL
309	UPS Freight LTL - Guaranteed
334	UPS Freight LTL - Guaranteed A.M.
349	UPS Standard LTL