Shipping Package XML Developers Guide

December 31, 2012

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1.1 Important Information

UPS Developer APIs

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

Key Legal Requirements for UPS Developer APIs

Permitted Territories

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

Use

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

Consent to Use of UPS Mark

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

Copyright and Proprietary Notice

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

Display of Information

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

1.2 Welcome to the UPS API Developer's Guides

Welcome to the UPS API Developer's Guides. This guide provides the information you need to begin using UPS Developer APIs.

UPS Developer APIs offer a fast and convenient way to access UPS service information using the Internet. With these Developer APIs, UPS lets you easily incorporate UPS technology in your own applications or your own web site. Your users—running your applications or visiting your web site—can have up-to-the-minute access to UPS services.

1.2.1 Release features

Release	New Features
Jan. 2013	**UPS Worldwide Express Freight** • New guaranteed service is a general service offering that accepts palletized international air freight shipments within UPS's package and freight networks • The service is a small package initiative that accepts palletized shipments • All origins and destinations supported by Worldwide Express Freight service **<u>Shipping API Impact</u>** • New functionality to support UPS Worldwide Express Freight • Shipping XML & SWS new tag for the </ShipmentConfirmRequest/Shipment> and </ShipmentRequest/Shipment/> respectively is – NumOfPiecesInShipment • Shipping XML & SWS new tags for the </ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/> and </ShipmentRequest/Shipment/ShipmentServiceOptions/> respectively are – HoldForPickupIndicator – DropoffAtUPSFacilityIndicator – LiftGateForPickUpIndicator

Release	New Features
	– LiftGateForDeliveryIndicator **Dimensional Weight Enhancements** • Retain customers supplied dimensions and scale wt in the billing process • Utilize customers supplied dimensions and scale wt to calculate Additional Handling Charge/Large Package Surcharge (AHC/LPS) – Irregularly shaped packages must still include the <AdditionalHandlingCharge> indicator for Rating API and <AdditionalHandling> indicator Shipping API • Link UPS scanned dimensions to a package / shipment billing information - UPS scanned dimensions are reflected only when used for a correction • Reflected customer supplied dimensions on the invoice • NOTE: LPS takes precedence over AHC and LPS and AHC cannot be used together on the same package • <NegotiatedRates> container will now return rates with dimensional weight divisor and CWT Tiers applied **Expedited Expansion** Expand Expedited Service to/from all countries where WW Express Saver is available today **International Rate, Zone, Service Enhancements** – Support Saturday Delivery destinations in Asia Pac: Australia (AU), Taiwan (TW), Malaysia (MY), and New Zealand (NZ) – Support Declared Value (DV) as valid from Vietnam (VN) – Support Domestic Express Saver in Portugal (PT) – Support Domestic Standard service US 48 to Mexico as a general service offering **<u>Shipping API Impact</u>** – Expand the supported Origin and Return Countries **International Trade Tool Enhancement** • Simplify international forms processing by enhancing the existing international forms offering • Expand document determination capabilities and create an intuitive, comprehensive, easy-to-use document library • Add new functionality that will give customers several options to complete their international trade documentation: – Ability for an user with an enrolled account to upload brokerage forms the user generates outside of the Shipping API process. Supported file formats are

Release	New Features
	converted to PDF files and linked to the shipment.

– Packing List small package shipments for International Shippers
  - Paperless Packing List for same countries that have paperless commercial invoice – Commercial invoice is required in order to have paperless Packing List
  - Paper Packing List allowed for all deployment countries
  - Limit of 20 packages and 50 products

Shipping API Impact
- Support additional paperless documentation (new tags):

  - **PackingListInfo**

            <**PackageAssociated**>
               <**PackageNumbe**r>01</PackageNumber>
                <**ProductAmount**>2</ProductAmount>
            </PackageAssociated>
            <PackageAssociated>
               <PackageNumber>02</PackageNumber>
                <ProductAmount>3</ProductAmount>
            </PackageAssociated>
                      </PackingListInfo>

  - **User Created Forms**

/ShipmentConfirmRequest/Documents/InternationalForms/**UserCreatedForm**

/ShipmentConfirmRequest/Shipment/Documents/InternationalForms/UserCreatedForm/**DocumentID**

Paperless Document API
- New **API** created to be used with the Shipping API's to allow users to upload forms generated outside.
  - Can be used to delete previous uploaded documents
  - May be used in conjunction with UPS WorldShip and UPSLink Vendors

Technical Support Email Template Improvements
- Optionally collect the customer's UPS Account Number, User ID and Access Key
- Capture if UPS Ready Provider (Y/N); Default field selection to "N"
- Update email application content on what the types of attachment is not allowed (EXE) for a logged-in user.
- Include the Stage of Development (Pre-Integration, Integration, Post-Integration) in the email subject line (end of existing text); make Stage of Development a mandatory field.
- Under Attach File inform the requester that XML Request and Response files should be included whenever possible.

Release	New Features
	New Negotiated Rates Authentication Rules • As of October 2012, customers who have not generated an invoice within 90 days or have never generated an invoice can contact their UPS sales person to enable negotiated rates via the Shipping and Rating APIs. • Customers who have generated an invoice within the past 90 days must use Account Invoice Authentication which requires invoice data to add an account to the myUPS Account Summary at ups.com. There is no exception or work-around for this process. Additionally, three failed attempts to authenticate will lock out the UPS Account for 24 hours for that myUPS ID. **UPS Developer Kit Community** • New System Status Page • Customers can now register for the UPS Developer Kit Community and subscribe to the 'System Status Page' for proactive email alerts when system status changes occur (Note: UPS Developer Kit Community can be accessed from the UPS Developer Resource Center) **New User Guide and Quick Reference Guide Available at UPS Developer Resource Center** • There are now two new customer reference materials never before available. The first is a UPS Developer Kit User Guide, which takes the developer through the step by step process of gaining access to API documentation, testing/production environments, and available tech support resources. The second is a UPS Developer Kit Quick Reference Guide that summarizes at a very high level gaining access to the UPS Developer Kit and tech support resources. • New User Guide (comprehensive access guide) • New Quick Reference Guide (high level quick reference guide)
July 2012	New Air Freight support for shipping and rating using the Gemini APIs. 1. Expansion to 14 new Americas countries. • Bahamas (BS), Bermuda (BM), Bolivia (BO), Cayman Islands (KY), Columbia (CO), Ecuador (EC), El Salvador (SV), Honduras (HN), Nicaragua (NI), Paraguay (PY), Peru (PE), Uruguay (UY), US Virgin Islands (VI), Venezuela (VE) **UPS Label Delivery**

Release	New Features
	Labels and Receipts are supported in local language for the abovementioned countries.
	Labels and Receipts are supported in Local languages for Bulgaria, Estonia, Greece, Latvia, Lithuania
	2. Improved email Technical Support hours and response time as follows:
	a. *1st Level Email Tech Support -*
	• Hours of operation for 1st Level Email Tech Support: 7:30am to 9pm EST Monday through Friday and 9am to 6pm EST Saturday and Sunday. The desk is closed on UPS Holidays.
	• 1st Level Email Tech Support email response time is planned to be within 4 business hours of the initial request. Business hours are defined as hours of operation of the tech support desks when service technicians are working.
	b. *Escalation Tech Support -*
	• If you receive an email that your case log has been escalated the following hours apply
	• Hours of operation: 8am to 8pm EST Monday through Friday. The desk is closed weekends and on UPS Holidays.
	• Escalation Support desk response time is planned to be within 24 hours during normal hours of operation.
	For more details please download and review the latest updated Developer Guides.

1.2.2 How to Use this Guide

If you are an experienced developer, you can begin developing applications quickly after reviewing "Required Steps for Integrating"

If you would like a more step-by-step guide to developing and deploying the Developer APIs, "Planning Your Applications" provides advice and describes options for developing and deploying applications and web sites that use UPS Developer APIs.

The "UPS Developer API Technologies" section explains key technologies on which the Developer APIs rely. That section also includes hints for using those technologies in various software development environments.

If you would like to learn more about what the UPS API covered in this guide can do for your applications, refer to the section on understanding the UPS API Services in this guide.

A complete technical reference to the Developer API covered in this guide is found in the API Reference section with details for the programming interfaces.

Additional material, including reference tables and lists, may be found in the appendices.

1.3 Business Processes and Rules

- UPS Worldwide Express Freight shipment requires a minimum of five labels. (The API itself will produce only one label.)

  - Please note a minimum total of five labels must be printed for each pallet.

- When registering for the Shipping API, a customer must either have an existing account number or open a new account (instructions w/ screen shots noted in separate doc)
- In order to add an account number to your MyUPS ID for the US and CA, you must have your Invoice Level Control ID and a Plan level Control ID, UPS Account Number, Country, Amount due and date of invoice for authentication.
- You can void a shipment from the following origin countries: US, PR and CA, no restrictions on destinations
- Date is not an element in the Shipment portions of the request… Date is an element in Pickup portion and can be a future date…effective Jan2010 this option will only be available through the Pickup API
- Shipping API does not have a tag to support the Electronic Export Information (EEI) for the Shipper's Export Declaration (SED), a customer may manually enter the Employer Identification Number (EIN) on the label.
- Must have UPS 6 digit account numbers in MyUPS profile to be able to bill to that account number.
- Only AddressLine1 is printed for ShipFrom section on the label. Address Line 1, 2 and 3 will be printed on the label for the ShipTo Address if provided in the request

1.4 Required Steps for Integrating

The required steps for integrating the UPS APIs are listed here for UPS XML Services.

UPS XML Services

1. Review the UPS Technology Agreement available at www.ups.com. This agreement requires that you follow certain procedures and practices in using UPS Developer APIs.

2. Develop applications that make use of standard HTTP communications protocols, SSL security, and XML-based document representations.

3. Test your application and/or web site using the designated UPS staging environment.

4. If you are a UPS Ready developer, review your application with UPS.

5. Obtain UPS Label Certification for your application. (If you are a new customer or if you haven't previously certified. Please see the "UPS Label Certification" section for further details.).

6. Deploy your application for your customers.

7. Ensure the UPS Shipper Account number is added to the user's profile. This can be done at myups.com.

1.5 Planning Your Applications for XML

Planning is a key part of any successful development activity, and UPS Developer API applications are no exception. This section helps that planning by describing the important activities of any UPS Developer API application project. It provides an overview of the steps required to develop applications, and it describes key factors and choices necessary to deploy those applications.

1.5.1 UPS Developer API Applications

Many different types of applications can take advantage of UPS Developer APIs. Those application types include dedicated desktop applications, databases, web applications, and documents. The following figures illustrate some of the possibilities for applications using UPS Developer APIs. The only essential requirement for all of these applications is that they must have access to the Internet.

Figure 1: Dedicated applications that users run on their desktops can access UPS Developer APIs.
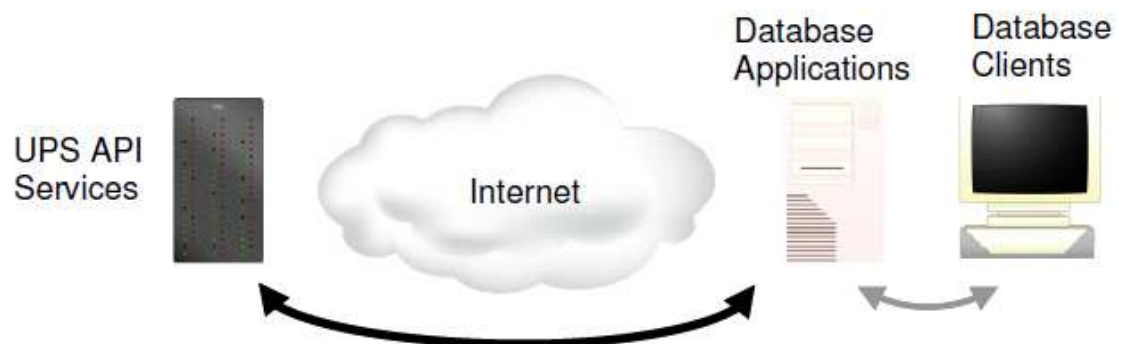
Figure 2: Database applications can access UPS Developer APIs and return information to their clients
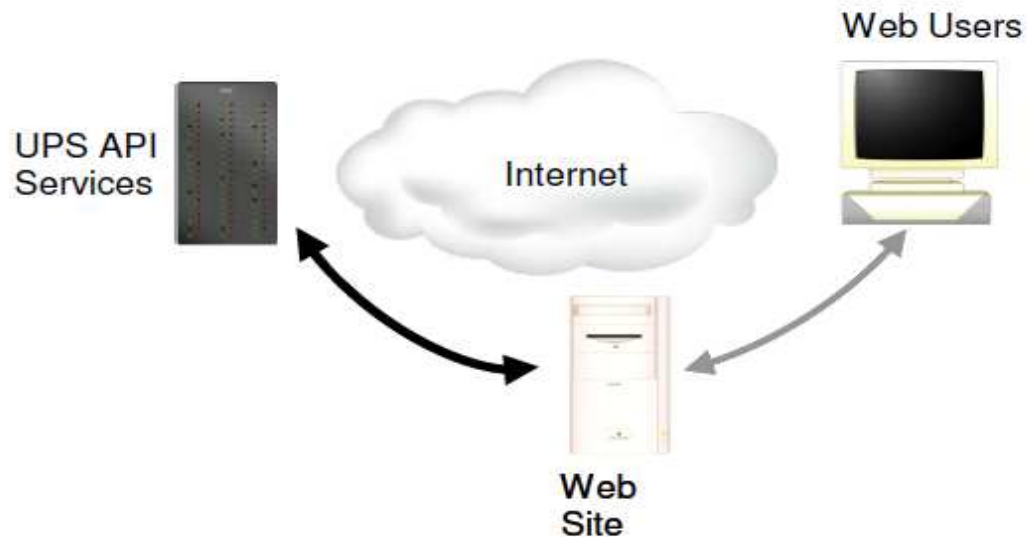
Figure 3: Web sites can access UPS Developer APIs and return information to users' web browsers.

Figure 4: Non-traditional applications such as Microsoft Office or Adobe Acrobat documents can use UPS Developer APIs to automatically update their content.

The UPS Developer APIs can be implemented withal of these types of applications and many others. Virtually any software that needs instant, up-to date access to UPS services can take advantage of UPS Developer APIs.

1.5.2 Licensing the UPS Developer APIs

As part of the UPS Technology Agreement, users of the APIs have certain obligations that are spelled out within the service agreement and its exhibits.
Regardless of the manner in which the UPS Developer APIs are integrated into your specific e-commerce web site or enterprise application, you must adhere to appropriate usage requirements.

1.5.2.1 Branding Requirements

UPS should receive attribution and branding in all applications (including websites and software applications) that use the Developer APIs. No End User, Third Party Developer or Access User should be permitted to use the Developer APIs without providing branded recognition to UPS. Your use of the UPS logo can in no way imply endorsement, sponsorship or certification of your ecommerce web site or enterprise application by UPS. You are not allowed to use or alter the information returned by the UPS Developer APIs in a way that misrepresents the information or the functionality of the service.

1.5.3 Developing Client Applications for Developer APIs

When you develop software that uses the UPS Developer APIs, you are building a client application. Because the UPS Developer APIs rely on standard Internet based technology, you can develop those applications using a wide variety of software development platforms, including Microsoft's Visual Studio, the Java Standard Edition and Enterprise Edition distributions, and many open source projects. This section introduces important technologies available in each of these development environments. Later sections of this document include more details on using each platform. Look for the icons in the left margin, which identify information relevant to a particular development environment.

1.5.3.1 Microsoft Visual Studio

Developers using the Microsoft Visual Studio environment can rely on the Microsoft XML Core Services (MSXML) for interacting with UPS Developer APIs. Those services include functions to help applications create requests for and interpret responses, and they include functions to manage the communications between applications and UPS.

1.5.3.2 Java Standard Edition and Enterprise Edition

Java developers can find all the classes they need for UPS Developer APIs in the Java Standard Edition and Enterprise Edition distributions. The URL class in the java.net package provides the functions required for communication with UPS servers, and the Java API for XML Processing (JAXP) services let programs create requests and interpret responses from UPS.

1.5.3.3 Open Source

There are a number of open source efforts that include technology useful for creating Developer API client applications; open source developers may find two particular projects to be especially helpful. The libcurl project is a library of functions that can manage the communications with UPS servers. For creating requests and interpreting responses, the xerces project provides essential functions in a variety of software languages.

1.5.4 Getting Technical Support

Technical Support (U.S.)

There are four channels for obtaining support for the UPS Developer Kit (UDK) APIs all of which are accessed through the **UPS Developer Resource Center** at the following link:

http://www.ups.com/content/us/en/resources/techsupport/developercenter.html?WT.svl=SubNav

Or by following these steps:

1. Go to www.UPS.com.
2. Mouse over the Support tab and select Technology Support
3. In the left navigation panel of the page select the link "Developer Resource Center".

- Email Technical Support – available in the right hand column on the **UPS Developer Resource Center** web page. This is *the* support channel for technical support and questions regarding API integration. It is accessed by logging in to myUPS and attaching your XML Request/Response files and any other pertinent information about your integration [please see Appendix A for detailed instructions and screen shots]. UPS Email Technical Support can only support the XML Request/Response pair. They cannot consult customers and developers on how to integrate the XML into their internal or purchased software.

- UPS Developer Kit Community – available in the right hand column of the **UPS Developer Resource Center** web page. This is a community forum for developers to answer one another's questions and share information therefore the response times may be slower. If you have an immediate need for technical support contact UPS Email Tech Support above and they will respond within 4 business hours (see hours below). The remainder of the site contains online versions of all API developer guides and FAQs.

- UPS Developer Kit Knowledge Base - available in the right hand column of the **UPS Developer Resource Center** web page. This is a self-service support .pdf document that can be opened or downloaded. It contains over 240 frequently asked questions about every mode and service supported by the UDK APIs. It's also available in an online version at the UPS Developer Kit Community.

- General Question Phone Support (U.S. only) – available in the right hand column of the **UPS Developer Resource Center** web page. Phone support is the *least comprehensive* support mechanism for the developer. This channel of support addresses questions about the user interface at ups.com and how to gain access to the APIs and navigate the Access Key request process. They do not provide technical support for XML Request/Response issues and questions. Those types of questions must go through Email Technical Support.

Getting Started with Email Technical Support

1. Got to ups.com and log in to myUPS.
2. Hover over the "Support" tab and select "Technology Support".
3. On the Technology Support page select the Developer Resource Center link from the left navigation.
4. On the Developer Resource Center page select the "Email UPS" link in the right hand column.
5. Enter all relevant information including name, enter email address, select Support Category "Technical Support", and select Support Topic "Developer Resource" [which identifies UPS Developer Kit APIs tech support]. Click next.
6. Scroll down to the middle of the email form and complete the fields "Your Telephone", "Stage of Development", "Developer Resource" which is which API you are integrating, "Attach File" where you attach your XML Request/Response Pair, and any pertinent description of the issues in the "What is your question or comment?" field.
7. Select "Send Email" button.
8. A response is provided that explains someone from UPS will contact you. Please base the response time on the detailed information listed below about tech support hours of operation and response times.

(For screen shots of this process please see Appendix A at the end of this guide.)

1st Level Email Technical Support Business Hours and Response Times:

a. Hours of operation for 1st Level Email Tech Support: 7:30am to 9pm EST Monday through Friday and 9am to 6pm EST Saturday and Sunday. The desk is closed on UPS Holidays.
b. 1st Level Email Tech Support email response time is planned to be within 4 business hours of the initial request. Business hours are defined as hours of operation of the tech support desks when service technicians are working.

This means if you submit an email tech support request after business hours the 4 hour response clock will not begin until the following morning at 7:30am EST M-F and 9am EST Saturday and Sunday (UPS Holidays excluded).

PLEASE NOTE:
If you are sent an email from 1st Level Email Tech Support stating your case log # has been escalated, the 24 hour planned response clock starts from the time you receive the email from 1st Level Email Tech Support (provided the Escalation Support desk is open). If not, then the clock will begin when the Escalation Support desk opens.

Escalation Support Business Hours and Response Times:

c. Hours of operation: 8am to 8pm EST Monday through Friday. The desk is closed weekends and on UPS Holidays.
d. Escalation Support desk response time is planned to be within 24 hours during normal hours of operation.

This means if your case log is escalated at 8:30pm on Friday, you will not receive an email response from the Escalation Support desk at the latest until Monday at 8pm (Saturdays, Sundays, and Holidays are excluded). Response times are from the time the case log was escalated plus 24 hours which do NOT include the weekends or UPS holidays.

There may be some scenarios when the tech support team is meeting planned response times but it appears as if it's taking too long. Below is a brief example where the planned response time is met but nothing happened over the weekend.

Example –

Customer submits tech support email at 7am on Friday. The clock for 4 hour response will not begin until 7:30am EST for the 1st level tech support team. They respond within 4 hours at 11:30am EST that same Friday stating the case log has been escalated and providing the case log #.

The escalation desk receives the case log at 11:30am EST. They begin work on evaluating the problem and have planned to either update the customer within 24 hours or solve the problem within 24 hours. Either way, the customer will hear from the escalation desk within 24 hours with some type of disposition on their case log. The escalation desk clock begins when they receive a case log from 1st level tech support during business hours, M-F 8am to 8pm EST. In this case, the clock begins at 11:30am EST if the escalation desk does not have an answer by 8pm EST on Friday the desk has until 11:30am EST the following Monday to either provide a resolution or a status update to the customer on the case log. The Escalation Desk continues work on the case log on Monday beginning at 8am EST. They receive resolution at 1030am EST Monday and send the resolution to the customer. The Escalation Desk has met their 24 hour planned response time.

Technical Support (Non-U.S.)

For Non-US countries supported by the UPS Developer Kit follow the instructions in Appendix A. However, to get to the UPS Developer Resource Center page please complete the following steps.

1. Log in to myUPS for the country from which you downloaded the developer guides.
2. Select the Support tab and in the drop-down select Technology Support.
3. Select from the left navigation the "UPS Developer Resource Center" link.
4. Continue with email form as described above.

Please also note that email response times for non-US requests vary. Translations and escalations may delay the process. If a quicker response is required, please access the US web site directly and complete an email technical support form from the US web site.

1.5.6 Keeping Up-to-Date

As UPS adds new services and features, Developer API will evolve, offering more features and service benefits. Once you register to use UPS Developer API, UPS will notify you by e-mail of updates and changes to the Developer API. You can return to the UPS Support area of ups.com for the latest updated information about UPS Developer API.

- It is essential that an accurate e-mail address for your company be maintained.
- In addition, UPS recommends that you complete the secondary contact information to ensure that your organization receives the latest updates.
- You should update your profile when changes or responsibilities for the UPS Developer API change within your company.

To change your profile information, go to UPS.com and log in using your MyUPS.com User ID.

1.6 UPS Developer API Technologies for XML

The foundation technologies for UPS Developer APIs are the same underlying technologies in use on the Internet today. They include the Hypertext Transfer Protocol (HTTP) with Secure Sockets Layer 3 (SSL3) security and the Extensible Markup Language (XML). Because these technologies are critical to the Internet, most software development API provide many powerful features that make it easy for application programs to use them. This section provides a quick introduction to the technologies and to the API that can support them.

1.6.1 Hypertext Transfer Protocol and Secure Sockets Layer 3

Today's Internet supports a wide variety of applications including email, instant messaging, web browsing, and voice communications. All of these applications have a well-defined set of rules that determines how they communicate. Those rules are known as *protocols*. As an Internet application themselves, the UPS Developer APIs also rely on protocols to set the rules for their communications. The primary protocol for UPS Developer APIs is the hypertext transfer protocol, or HTTP.

HTTP is a relatively simple protocol. An application that wants to use a Developer API acts as an HTTP client. It sends its request to UPS as part of an HTTP POST message. UPS servers reply to each request using an HTTP response message.
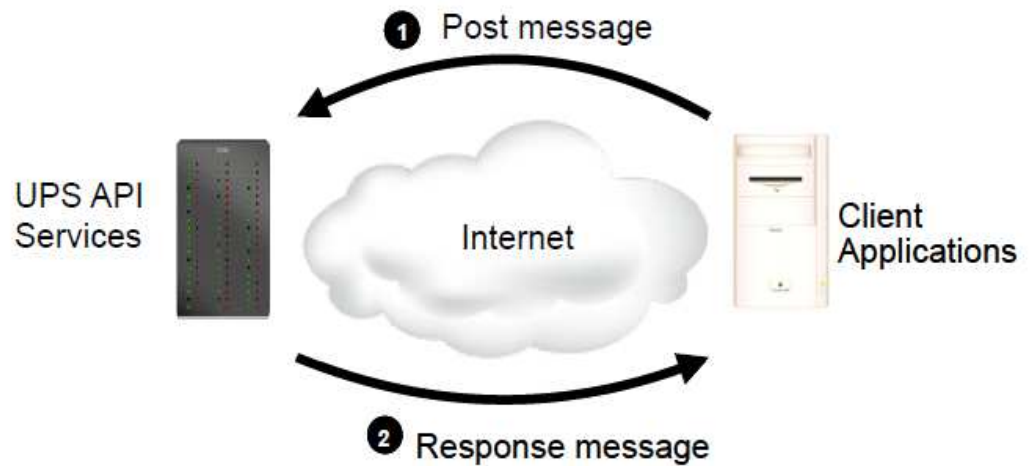
Figure 1. UPS Developer APIs accept requests from client applications in HTTP POST messages and reply to the requests with HTTP responses.

As part of the POST message, client applications indicate the type of content the message contains using an HTTP Content-Type header. For UPS Developer APIs, that content type should be application/x-www-form-urlencoded. (Presently, Version 1.1 is supported)

In many cases the UPS Developer APIs exchange information that should be kept private. To protect confidential information, the Developer APIs rely on the Secure Sockets Layer 3 (SSL3) protocol in addition to HTTP. When two systems communicate using SSL, the protocol creates a secure channel between them, and it encrypts all information that they exchange using this channel. The SSL protocol that Developer APIs use is the same protocol used to secure millions of on-line purchases on the web.

Figure 2: SSL creates a secure channel across a network and protects confidential communications using that channel.

1.6.2 Working with HTTP and SSL in Application Programs

UPS Developer APIs are not the only Internet services that rely on the HTTP and SSL protocols. Both protocols, in fact, were originally developed for web browsing, and they provide the foundation for the majority of Internet applications. Because HTTP and SSL are so common, software development API make using these protocols very simple.

Because HTTP and SSL are commonly used for web browsing, software development API often rely on the same notation and abbreviations as standard web browsers. In particular, most API identify a specific service (such as a UPS Developer API) using a Uniform Resource Locator (URL). URLs begin with an abbreviation of the communication protocol. For UPS Developer APIs that abbreviation will always be "https" to indicate HTTP and SSL. The protocol abbreviation is followed by a colon, two slashes, and the name of a server. Additional information about the specific service can follow the server name; it is written like the path to a file in a directory, with slashes separating individual folders. Figure 3 shows how a URL combines these individual components.
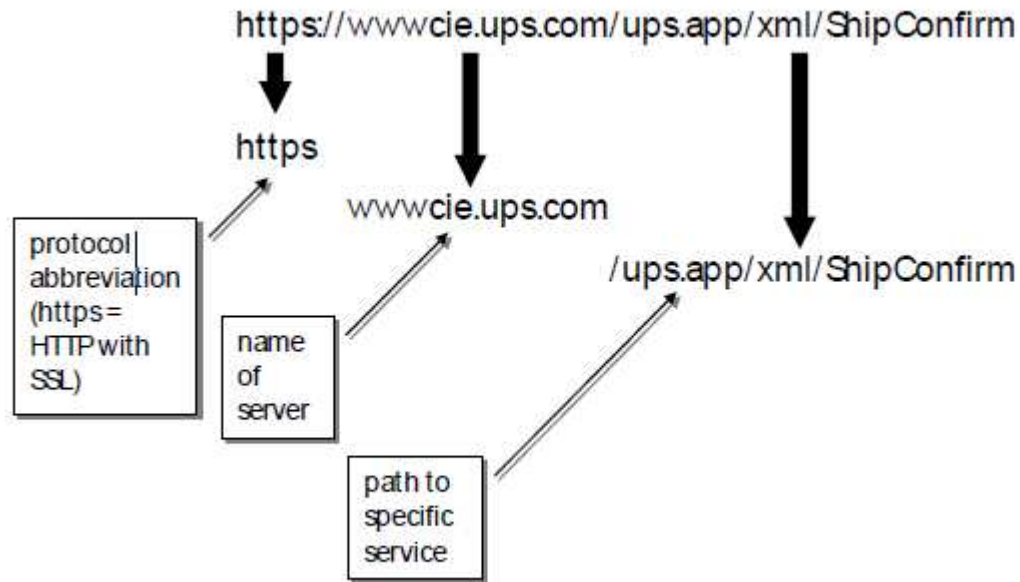
Figure 3. URLs identify communication protocols, servers, and specific services.

SSL Certificate Changes and Renewals:

UPS has migrated from Unchained to Chained Digital Certificates to improve security for UPS servers. Chained Digital Certificates requires the use of SSL 3.0. Our migration from SSL 2.0 to 3.0 was completed between 6/15/2008 and 3/3/2009.

Renewal of UPS.com SSL Certificates are coordinated by UPS Security Services every two years. There is a concern that some UPS Developer Kit users who store UPS Certificates internally may have issues when SSL Certificates are renewed. It is recommended that UPS Developer Kit users not store UPS Certificates internally; however if a customer finds this necessary due to specific needs within their company, they may need to add renewed certificates to the their trust store.

There are a number of ways one can add a certificate to the application. One way to obtain the proper certificate is by placing a UPS Developer Kit URL, **https://onlinetools.ups.com/ups.app/xml/ ShipConfirm,** for example, in a browser, connect to the URL, and double-click on the "lock" on the bottom right of the window (using Internet Explorer 7). After that the steps can be followed to install the certificate.

Also, in the event that the aforementioned solution does not work successfully for you we have been provided with the following certificate which should allow you to connect once it has been successfully added. You should be able to paste the following string into Notepad and save the file locally. Then, it will be necessary to have the client application reference the file so that it will know that this is the trusted certificate for making a connection to UPS.

This is the Verisign Class 3 Secure Server CA - G2 certificate that the client must trust:

-----BEGIN CERTIFICATE-----
MIIGLDCCBZWgAwIBAgIQbk/6s8XmacTRZ8mSq+hYxDANBgkqhkiG9w0BAQUFADCB
wTELMAkGA1UEBhMCVVMxFzAVBgNVBAoTDlZlcmlTaWduLCBJbmMuMTwwOgYDVQQL
EzNDbGFzcyAzIFB1YmxpYyBQcmltYXJ5IENlcnRpZmljYXRpb24gQXV0aG9yaXR5
IC0gRzIxOjA4BgNVBAsTMShjKSAxOTk4IFZlcmlTaWduLCBJbmMuIC0gRm9yIGF1
dGhvcml6ZWQgdXNlIG9ubHkxHzAdBgNVBAsTFlZlcmlTaWduIFRydXN0IE5ldHdv
cmswHhcNMDkwMzI1MDAwMDAwWhcNMTkwMzI0MjM1OTU5WjCBtTELMAkGA1UEBhMC
VVMxFzAVBgNVBAoTDlZlcmlTaWduLCBJbmMuMR8wHQYDVQQLExZWZXJpU2lnbiBU
cnVzdCBOZXR3b3JrMTswOQYDVQQLEzJUZXJtcyBvZiB1c2UgYXQgaHR0cHM6Ly93
d3cudmVyaXNpZ24uY29tL3JwYSAoYykwOTEvMC0GA1UEAxMmVmVyaVNpZ24gQ2xh
c3MgMyBTZWN1cmUgU2VydmVyIENBIC0gRzIwggEiMA0GCSqGSIb3DQEBAQUAA4IB
DwAwggEKAoIBAQDUVo9XOzcopkBj0pXVBXTatRlqltZxVy/iwDSMoJWzjOE3JPMu
7UNFBY6J1/raSrX4Po1Ox/lJUEU3QJ90qqBRVWHxYISJpZ6AjS+wIapFgsTPtBR/
RxUgKIKwaBLArlwH1/ZZzMtiVlxNSf8miKtUUTovStoOmOKJcrn892g8xB85essX
gfMMrQ/cYWIbEAsEHikYcV5iy0PevjG6cQIZTiapUdqMZGkD3pz9ff17Ybz8hHyI
XLTDe+1fK0YS8f0AAZqLW+mjBS6PLlve8xt4+GaRCMBeztWwNsrUqHugffkwer/4
3RlRKyC6/qfPoU6wZ/WAqiuDLtKOVImOHikLAgMBAAGjggKpMIICpTA0BggrBgEF
BQcBAQQoMCYwJAYIKwYBBQUHMAGGGGh0dHA6Ly9vY3NwLnZlcmlzaWduLm5vbTAS
BgNVHRMBAf8ECDAGAQH/AgEAMHAGA1UdIARpMGcwZQYLYIZIAYb4RQEHFwMwVjAo
BggrBgEFBQcCARYcaHR0cHM6Ly93d3cudmVyaXNpZ24uY29tL2NwczAqBggrBgEF
BQcCAjAeGhxodHRwczovL3d3dy52ZXJpc2lnbi5jb20vcnBhMDQGA1UdHwQtMCsw
KaAnoCWGI2h0dHA6Ly9jcmwudmVyaXNpZ24uY29tL3BjYTMtZzIuY3JsMA4GA1Ud
DwEB/wQEAwIBBjBtBggrBgEFBQcBDARhMF+hXaBbMFkwVzBVFglpbWFnZS9naWYw
ITAfMAcGBSsOAwIaBBSP5dMahqyNjmvDz4Bq1EgYLHsZLjAlFiNodHRwOi8vbG9n
by52ZXJpc2lnbi5jb20vdnNsb2dvLmdpZjApBgNVHREIjAgpB4wHDEaMBgGA1UE
AxMRQ2xhc3MzQ0EyMDQ4LTEtNTIwHQYDVR0OBBYEFKXvCxHOwEEDo0plkEiyHOBX
LX1HMIHnBgNVHSMEgd8wgdyhgcekgcQwgcExCzAJBgNVBAYTAlVTMRcwFQYDVQQK
Ew5WZXJpU2lnbiwgSW5jLjE8MDoGA1UECxMzQ2xhc3MgMyBQdWJsaWMgUHJpbWFy
eSBDZXJ0aWZpY2F0aW9uIEF1dGhvcml0eSAtIEcyMTowOAYDVQQLEzEoYykgMTk5
OCBWZXJpU2lnbiwgSW5jLiAtIEZvciBhdXRob3JpemVkIHVzZSBvbmx5MR8wHQYD
VQQLExZWZXJpU2lnbiBUcnVzdCBOZXR3b3JrghB92f4Hz6getxB5Z/uniTTGMA0G
CSqGSIb3DQEBBQUAA4GBAGN0Lz1Tqi+X7CYRZhr+8d5BJxnSf9jBHPniOFY6H5Cu
OcUgdav4bC1nHynCIdcUiGNLsJsnY5H48KMBJLb7j+M9AgtvVP7UzNvWhb98lR5e
YhHB2QmcQrmy1KotmDojYMyimvFu6M+O0Ro8XhnF15s1sAIjJOUFuNWI4+D6ufRf
-----END CERTIFICATE-----

Finally, for more information on installing the latest VeriSign CA Root Certificate, please click on the links below:

https://knowledge.verisign.com/support/ssl-certificates-support/index?page=content&id=SO7154&actp=search&viewlocale=en_US&searchid=1308235124970
https://knowledge.verisign.com/support/ssl-certificates-support/index?page=content&actp=CROSSLINK&id=AR1553
https://knowledge.verisign.com/support/ssl-certificates-support/index?page=content&id=SO4785&actp=LIST

The subsections that follow provide brief introductions to using HTTP and SSL with various software development API, including Microsoft Visual Studio, Java Standard and Enterprise Edition, and popular open source environments.

1.6.2.1 Microsoft Visual Studio

The Microsoft Visual Studio environment includes many API, classes, and libraries that simplify the use of HTTP and SSL protocols. A very convenient set of API are included in the Microsoft XML Core Services (MSXML). The following code fragment shows how a Visual Basic program can send a request and retrieve the response. To keep the example as simple as possible, no exception handling is included in the figure. Production software should, of course, appropriately handle all exceptions

```
' create the object that manages the communication
Dim oXMLHttp As XMLHTTP
Set oXMLHttp = New XMLHTTP
' prepare the HTTP POST request
oXMLHttp.open "POST", "https://www.server.com/path", False
oXMLHttp.setRequestHeader "Content-Type", _
        "application/x-www-form-urlencoded"
' send the request
oXMLHttp.send requestString
' server's response will be available in
oXMLHttp.responseXML
```

Figure 4. Visual Basic programs can use features of the MSXML API to send and receive messages using HTTP and SSL.

1.6.2.2 Java Standard Edition and Enterprise Edition

In a Java SE or EE environment, the URL class in the java.net package provides a convenient way to manage HTTP and SSL communications. Figure 5 contains a small code fragment that demonstrates the use of this class. As above, the fragment doesn't include exception handling that should be inherent in any production software.

```
import java.io.*;
import java.net.*;
URL url = new URL("https://www.server.com/path");
HttpURLConnection conn = (HttpURLConnection) url.openConnection();
conn.setRequestMethod("POST");
conn.setRequestProperty("Content-Type", "application/x-www-form-
urlencoded");
conn.setDoOutput(true);
PrintWriter out = new PrintWriter(conn.getOutputStream());
out.println(requestString);
out.close();
BufferedReader in = new BufferedReader( new
InputStreamReader(conn.getInputStream()));
/* server response is available by reading the in object */
```

Figure 5. The URL class from the java.net package is a convenient way for Java programs to use HTTP and SSL

1.6.2.3 Open Source

The libcurl project is an open source project that includes support for using HTTP and SSL protocols. The fragment in Figure 6 shows how to set up libcurl to send a request using HTTP and SSL. It relies on a callback function to accept the server's response.

```
CURL *curl;
CURLcode res;
/* prepare to send the request */
curl = curl_easy_init();
curl_easy_setopt(curl, CURLOPT_URL,
https://www.server.com/path");
curl_easy_setopt(curl, CURLOPT_POSTFIELDS, requestString);
curl_easy_setopt(curl, CURLOPT_WRITEFUNCTION,
fnCallback);
res = curl_easy_perform(curl);
```

Figure 6. The open source libcurl library simplifies the use of HTTP and SSL

1.6.3 Extensible Markup Language (XML)

The Extensible Markup Language (XML) is an international standard developed by the World Wide Web Consortium, the governing body for web standards and guidelines. XML provides a way to identify the structure of content within a document or, in the case of UPS Developer APIs, a message. Figure 7 shows how a simple XML message could describe a book.

```
<?xml version="1.0" encoding="UTF-8" ?>
<book>
    <title>
        HTTP Essentials: Protocols for Secure, Scaleable Web Sites
    </title>
    <author>
        <firstname>
            Stephen
        </firstname>
        <lastname>
            Thomas
        </lastname>
    </author>
    <publisher>
        John Wiley and Sons
    </publisher>
    <year>
        2001
    </year>
    <isbn>
        0-471-398233
```

Figure 7: XML identifies the structure of documents, as in this document describing a book.

As the figure illustrates, XML is a text-based format. XML messages contain regular text, though that text follows specific rules that XML defines. XML distinguishes different parts of a message with a label known as a *tag*. Tags in the example include <book>, <title>, <author>, <firstname>, etc. A tag can indicate the start of information if it begins with an angle bracket (<), and a tag can indicate the end of information if it begins with an angle bracket and a slash (</). A beginning tag, ending tag, and the information between the two make up an *element*. In this example the publisher element tells us that the publisher for the book is "John Wiley and Sons." The figure also shows how an XML message follows a defined structure. Elements can be contained within other elements, as <firstname> and <lastname> are included within the <author> element. This structure indicates that firstname and lastname are "children" of the author "parent."

Although XML elements can contain almost any text, there are two special characters that cannot appear within an element. Those characters are the less-than sign (<) and the ampersand (&). Elements that include these contents must replace the special characters with "<" or "&" respectively. The name of a large telecommunications company, for example, would appear as "AT&T" within an XML message.

Because XML is a text-based format, software has to take extra steps to use XML with binary data. For example, some UPS services return binary image data such as the image of

a shipping label. To include this data in an XML message, UPS converts it from binary to text format using an algorithm known as *Base64 encoding*. The "The Base16, Base32, and Base64 Data Encodings" standard, also known as RFC 3548, defines that algorithm.

Although XML messages consist of a series of text characters, most software development API represent XML messages in a tree-like data structure. That representation clarifies the structure of the message. Figure 8 shows the same XML message as Figure 7, but it uses a more visual representation to highlight the message's structure.
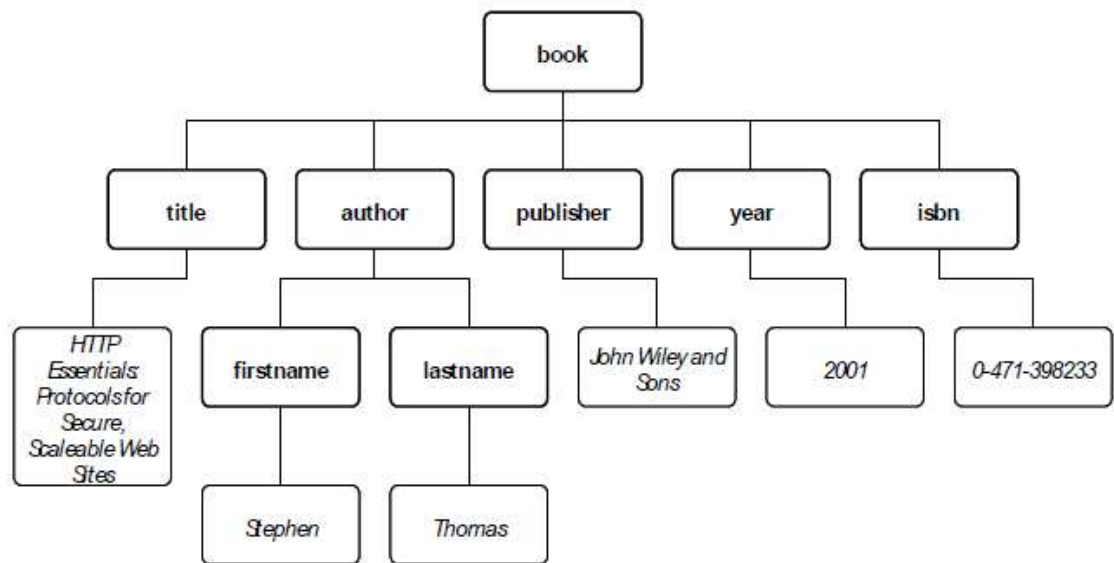
Figure 8. It is often convenient to show XML messages in a tree-like graph to highlight their structure.

The example of Figure 7 and Figure 8 is a relatively simple XML message with just a few elements. UPS Developer APIs rely on XML messages that are larger than this simple example, and it is difficult to show them in a pure graph like Figure 8 without losing legibility. Figure 9 shows an alternate way of depicting the tree-like structure of XML messages; it uses the same example as before.

```
book
 ├─title
 │  └─"HTTP Essentials: Protocols for Secure, Scaleable Web Sites"
 ├─author
 │  ├─firstname
 │  │  └─"Stephen"
 │  └─lastname
 │     └─"Thomas"
 ├─publisher
 │  └─"John Wiley and Sons"
 ├─year
 │  └─"2001"
 └─isbn
    └─"0-471-398233"
```

Figure 9. It is possible to show the tree-like structure of XML messages using text.

A great deal of information on XML is available on the Internet. A good starting point for further research is the World Wide Web Consortium's main page on XML at http://www.w3.org/XML/.

1.6.4 Working with XML in Application Programs

The popularity of Extensible Markup Language means that nearly all development environments include sophisticated support for creating and interpreting XML messages. This subsection provides a brief introduction to working with XML in Microsoft, Java, and Open Source environments. The examples it contains are only representative approaches; many other approaches are possible.

1.6.4.1 Microsoft Visual Studio

The Microsoft XML Core Services (MSXML) offers one way to work with XML documents in Visual Studio applications. Figure 10 shows one approach for creating an XML message in Visual Basic, and Figure 11 demonstrates how Visual Basic programs can interpret XML responses. To remain as simple as possible, the examples do not include any exception handling. Production software should, of course, provide full exception handling.

```
' Define a variable and initialize it to a new XML message
Dim dom
Set dom = New DOMDocument30
' Set properties of the variable
```

```
dom.async = False
dom.validateOnParse = False
dom.resolveExternals = False
dom.preserveWhiteSpace = True
' Identify the message as XML version 1.0
Set node = dom.createProcessingInstruction("xml",
"version='1.0'")
dom.appendChild node
Set node = Nothing
' Create the root (book) element and add it to the message
Dim root
Set root = dom.createElement("book")
dom.appendChild root
' Create child elements and add them to the root
Dim node
Set node = dom.createElement("title")
node.text = "HTTP Essentials: ..."
root.appendChild node
Set node = Nothing
Set node = dom.createElement("author")
Dim child
Set child = dom.createElement("firstname")
child.text = "Stephen"
node.appendChild child
Set child = Nothing
Set child = dom.createElement("lastname")
child.text = "Thomas"
node.appendChild child
root.appendChild node
' And so on
```

Figure 10. Visual Basic can create XML messages through the DOMDocument object.

```
' Define a variable to hold the parsed message
Dim dom As New DOMDocument30
dom.async = False
dom.validateOnParse = False
dom.resolveExternals = False
dom.preserveWhiteSpace = True
' Try to parse the message
If dom.loadXML(messageText) = False Then
' The text did not contain valid XML
End If
' Get the title information from the message
Dim node As IXMLDOMNode
Set node = dom.selectSingleNode("/title")
If node Is Nothing Then
' The message did not contain title information
Else
' Do something with node.text
End If
```

Figure 11. Visual Basic can read the contents of XML messages after parsing them with the DOMDocument object.

Visual Basic also has built-in classes to interpret Base64-encoded values. The Convert.FromBase64String() function converts from a Base64-encoded string to an array of 8-bit unsigned integers

1.6.4.2 Java Standard Edition and Enterprise Edition

The Java API for XML Processing (JAXP) is the preferred approach for working with XML messages in Java. Figure 12 shows how a BookClass object can be converted into an XML message, a process that JAXP calls *marshalling*. Similarly, Figure 13 shows the reverse process, where an XML message is converted into a BookClass object. This reverse process is *unmarshalling*. As above, exception handling code is omitted from these examples to make them as clear as possible.

```
import javax.xml.bind.JAXBContext;
import javax.xml.bind.Marshaller;
import java.io.StringWriter;
/* create the book object */
BookClass book = new BookClass("HTTP Essentials...", new
AuthorClass("Stephen", "Thomas"),
         "John Wiley and Sons", "2001", "0-471-398233");
/* convert it to an XML string */
StringWriter writer = new StringWriter();
JAXBContext context = JAXBContext.newInstance(book.class);
Marshaller m = context.createMarshaller();
m.marshal(book, writer);
```

Figure 12. JAXP provides a convenient way for Java applications to create XML messages from Java objects.

```
import javax.xml.bind.JAXBContext;
import javax.xml.bind.Marshaller;
import java.io.StringReader;
/* xmlMessage contains the XML message */
StringReader reader = new StringReader(xmlMessage);
JAXBContext context = JAXBContext.newInstance(Book.class);
Unmarshaller u = context.createUnmarshaller();
BookClass book = (BookClass) u.unmarshal(reader);
/* access properties of the book */
System.out.println(book.getAuthor().getFirstname())
```

Figure 13. JAXP also gives Java applications a convenient way to retrieve elements from an XML message

1.6.4.3 Open Source

As of this writing, the most popular open source API for working with XML is the xerces project. That project includes C++, Java, and Perl implementations of an XML library. The xerces distribution includes extensive sample applications. The code fragment in Figure 14 demonstrates creating an XML message in C++ with the xerces library. Figure 15 shows

sample code for accessing an element within an XML message. In both cases exception handling is not shown in order to keep the examples as simple as possible. Production software should always contain full exception handling.

```
DOMImplementation* impl =
DOMImplementationRegistry::getDOMImplementation(X("Core"));
DOMDocument* doc = impl->createDocument(0, X("book"), 0);
DOMElement* rootElem = doc->getDocumentElement();
DOMElement* titleElem = doc->createElement(X("title"));
rootElem->appendChild(titleElem);
DOMText* titleVal = doc->createTextNode(X("HTTP Essentials..."));
titleElem->appendChild(titleVal);
```

Figure 14. The Xerces C++ library includes

```
XMLCh* TAG_book;
XMLCh* TAG_title;
xercesc::XercesDOMParser *parser;
XMLPlatformUtils::Initialize();
TAG_book = XMLString::transcode("book");
TAG_title = XMLString::transcode("title");
parser = new XercesDOMParser;
parser->parse(inputText);
DOMDocument* xmlDoc = parser->getDocument();
DOMElement* elementRoot = xmlDoc->getDocumentElement();
DOMNodeList* children = elementRoot->getChildNodes();
const XMLSize_t nodeCount = children->getLength();
for (XMLSize_t cnt = 0; cnt < nodeCount; ++cnt ) {
DOMNode* currentNode = children->item(cnt);
if( currentNode->getNodeType() && currentNode->getNodeType() ==
DOMNode::ELEMENT_NODE ) {
  DOMElement* currentElement =
  dynamic_cast< xercesc::DOMElement* >( currentNode );
  if( XMLString::equals(currentElement->getTagName(), TAG_title)) {
      /* do something with the title */
    }
  }
}
```

Figure 15. The Xerces C++ library also supports parsing XML messages to find individual elements.

1.7 Understanding XML Shipping Services

This section provides an overview of Shipping Services. It describes the services available through the Shipping API, and it explains—at an overview level—how the APIs operate.

1.7.1 What Shipping Services Can Do

The Shipping API makes UPS shipping services available to client applications that communicate with UPS using the Internet. With this API, applications can prepare or schedule small package shipments, manage returns, or cancel previously scheduled shipments.

1.7.1.1 Shipments

Shipping Services give your applications many ways to manage the shipment of small packages to their destination. UPS offers a range of delivery time frames from same day to standard ground transportation. Shipments may be within the United States or international, and they may range from letter documents to large packages. (Note: for freight services, please refer to the APIs designed for freight services.)

UPS also supports many valued added services for shipments, including collect on delivery (COD), declared value, delivery confirmation, and automatic notification of delivery status.

For full details on all UPS shipping services, please consult the latest *UPS Rate and Service Guide* available at http://www.ups.com. Note that these shipments are sometimes called *forward shipments* or *outbound shipments* to distinguish them from returns.

1.7.1.2 Cancellations (Voids)

If you need to cancel a previously processed shipment, the UPS Shipping Services let client applications automate that task. This process is known as *voiding* a shipment.

1.7.1.3 Returns

UPS Shipping Services also support the UPS returns services. (Note: UPS can provide a label for a return shipment even if it did not provide a label for the forward shipment.) With return services, you can include a label in an outbound shipment, ask UPS to email or mail the return label to your customer, or request a UPS driver to pick up the package at the your customer's location. As with forward shipments, details on return shipment services can be found in the latest *UPS Rate and Service Guide* at http://www.ups.com.

1.7.2 How Shipping Services Work

Because forward and return shipments share many of the same characteristics (they have an origin, destination, service type, etc.), UPS APIs use the same procedure and message types for both services. Cancelling or voiding a shipment requires its own procedure and message types.

1.7.2.1 Two Step (Phase) Shipping Process

The process to use the Shipping API consists of two phases, the **ship confirm** phase followed by the **ship accept** phase. An XML request/response pair is exchanged between the client and server in each phase. The XML messages exchanged in the confirm phase are the ShipmentConfirmRequest input message and the ShipmentConfirmResponse output message.

The XML messages exchanged in the accept phase are the ShipmentAcceptRequest input message and the ShipmentAcceptResponse output message. Shipment information is specified in the ShipmentConfirmRequest message. After the ShipmentConfirmRequest message is created, it must be sent to the Shipping API ShipConfirm URL address, using a HTTP POST. After the ShipmentConfirmRequest message is received by the server, it is preprocessed and validated. If the ShipmentConfirmRequest message passes all validation tests, a ShipmentConfirmResponse message is returned containing basic rate information, the shipment Id, and the shipment digest. If the ShipmentConfirmRequest message fails validation, a ShipmentConfirmResponse message is returned containing error information. The majority of the validation is performed in this phase.

The actual shipment has not been created at this point.

In order to create a shipment and receive the shipping label(s), a ShipAcceptRequest message must be created and sent to the Shipping API ShipAccept connection address URL, using a HTTP POST. The ShipAcceptRequest message must contain the shipment digest returned in the ShipmentConfirmResponse message. After the ShipmentAcceptRequest message is received in the server, additional processing validation is performed. If the ShipmentAcceptRequest message passes all validation tests, a ShipmentAcceptResponse message is returned containing detailed rate information, the Shipment Id, package tracking numbers and the shipping label(s). If the ShipmentAcceptRequest message fails validation, a ShipmentAcceptResponse message is returned containing error information.

1.7.2.2 Forward and Return Shipments

For forward and return services client applications use a four-step procedure to process a shipment. As
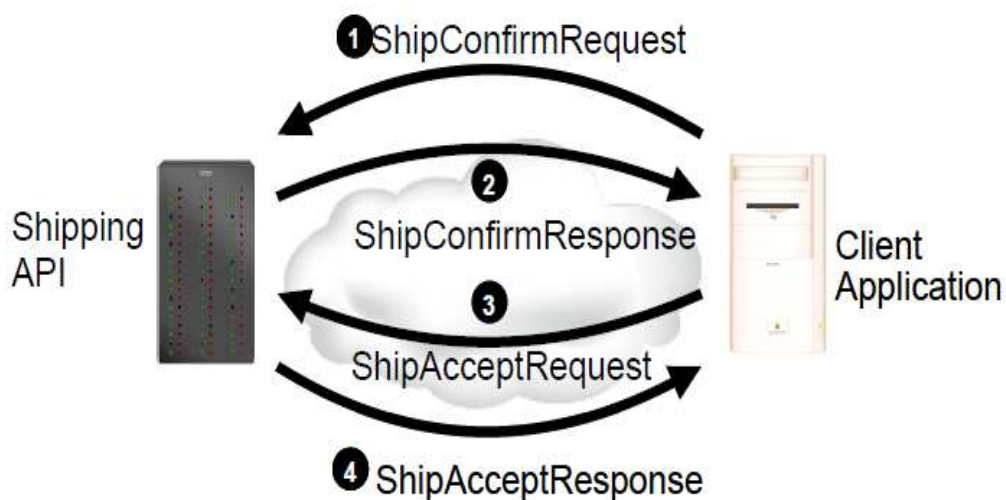
Figure 1 shows, the procedure begins when a client application sends a ShipmentConfirmRequest to UPS. This request provides details of the shipment and the desired UPS services. UPS replies to this request with a ShipmentConfirmResponse. ShipmentConfirmResponses include estimated rates for the shipment. If the rates and services are acceptable to the client, it sends a ShipmentAcceptRequest to UPS. This message authorizes UPS to charge for the shipment and process the shipment data. UPS acknowledges the request by returning a ShipmentAcceptResponse. For forward shipments and for preprinted return labels, this response includes a label for the shipment.
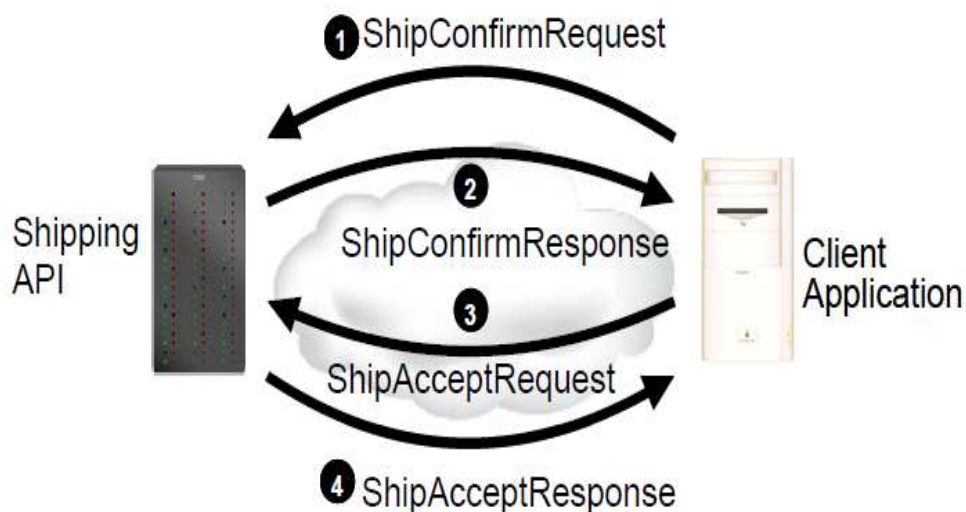
Figure 1. Forward and return shipments require four separate steps to complete the shipment processing.

Clients that want to include preprinted labels as part of forward shipments must perform this four-step procedure twice. One time processes the forward shipment, and the second time retrieves the return label.

1.7.2.3 Cancellations (Voids)

To cancel, or *void*, a previously scheduled shipment, client applications send a VoidShipmentRequest to UPS. As Figure 2 illustrates, UPS replies to this request with a VoidShipmentResponse.
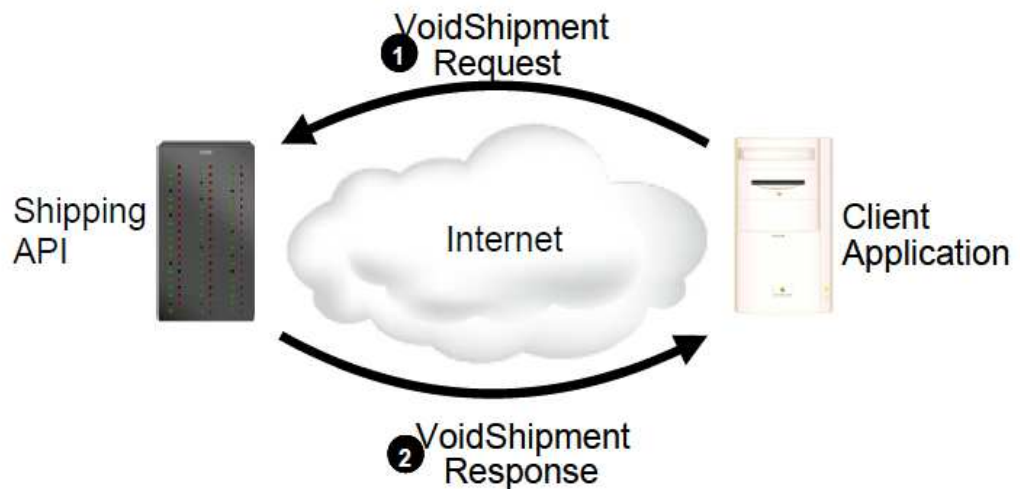
Figure 2. VoidShipmentRequest messages let client applications cancel a previously scheduled shipment.

Applications may void forward shipments up to 28 days after initially processing them. Return shipments must be voided within 24 hours.

1.8 The Shipping XML Reference

This section documents the details of the XML messages, including the requests that clients send to UPS and the responses that UPS returns. The first subsection explains the notation that this section uses. It is followed by a section that describes how UPS verifies that client applications are authorized to use the API. The next subsections define the messages used by the API for its services.

1.8.1 Describing XML Messages

As noted previously, all messages that UPS APIs send and receive consist of XML documents. This reference section defines the specific elements within those XML documents.

ShipmentConfirmRequest Example Message

```xml
<?xml version="1.0" ?>
<AccessRequest xml:lang='en-US'>
    <AccessLicenseNumber>YOURACCESSLICENSENUMBER</AccessLicenseNumber>
    <UserId>YOURUSERID</UserId>
    <Password>YOURPASSWORD</Password>
</AccessRequest>
<?xml version="1.0" ?>
<ShipmentConfirmRequest>
    <Request>
        <TransactionReference>
            <CustomerContext>guidlikesubstance</CustomerContext>
            <XpciVersion>1.0001</XpciVersion>
        </TransactionReference>
        <RequestAction>ShipConfirm</RequestAction>
        <RequestOption>nonvalidate</RequestOption>
    </Request>
    <Shipment>
        <Shipper>
            <Name>Joe's Garage</Name>
            <AttentionName>John Smith</AttentionName>
            <PhoneNumber>9725551212</PhoneNumber>
            <ShipperNumber>123X67</ShipperNumber>
            <Address>
                <AddressLine1>1000 Preston Rd</AddressLine1>
                <City>Plano</City>
                <StateProvinceCode>TX</StateProvinceCode>
                <CountryCode>US</CountryCode>
                <PostalCode>75093</PostalCode>
            </Address>
        </Shipper>
        <ShipTo>
            <CompanyName>Pep Boys</CompanyName>
            <AttentionName>Manny</AttentionName>
            <PhoneNumber>
```

```
                        41051255512121234
                    </PhoneNumber>
                    <Address>
                        <AddressLine1>201 York Rd</AddressLine1>
                        <City>Timonium</City>
                        <StateProvinceCode>MD</StateProvinceCode>
                        <CountryCode>US</CountryCode>
                        <PostalCode>21093</PostalCode>
                        <ResidentialAddress />
                    </Address>
                </ShipTo>
                <Service>
                    <Code>14</Code>
                    <Description>Next Day Air Early AM</Description>
                </Service>
                <PaymentInformation>
                    <Prepaid>
                        <BillShipper>
                            <CreditCard>
                                <Type>06</Type>
                                <Number>4111111111111111</Number>
                                <ExpirationDate>121999</ExpirationDate>
                            </CreditCard>
                        </BillShipper>
                    </Prepaid>
                </PaymentInformation>
                <Package>
                    <PackagingType>
                        <Code>02</Code>
                    </PackagingType>
                    <Dimensions>
                        <UnitOfMeasurement>
                            <Code>IN</Code>
                        </UnitOfMeasurement>
                        <Length>22</Length>
                        <Width>20</Width>
                        <Height>18</Height>
                    </Dimensions>
                    <PackageWeight>
                        <Weight>14.1</Weight>
                    </PackageWeight>
                    <ReferenceNumber>
                        <Code>02</Code>
                        <Value>1234567</Value>
                    </ReferenceNumber>
                    <PackageServiceOptions>
                        <InsuredValue>
                            <CurrencyCode>USD</CurrencyCode>
                            <MonetaryValue>149.99</MonetaryValue>
                        </InsuredValue>
                        <VerbalConfirmation>
                            <Name>Sidney Smith</Name>
                            <PhoneNumber>4105551234</PhoneNumber>
```

```
                                    </VerbalConfirmation>
                                </PackageServiceOptions>
                        </Package>
                        <Package>
                            <PackagingType>
                                <Code>02</Code>
                            </PackagingType>
                            <PackageWeight>
                                <Weight>22.0</Weight>
                            </PackageWeight>
                            <ReferenceNumber>
                                <Code>PM</Code>
                                <Value>1234568</Value>
                            </ReferenceNumber>
                            <ReferenceNumber>
                                <Code>ST</Code>
                                <Value>Distributor</Value>
                            </ReferenceNumber>
                            <PackageServiceOptions>
                                <InsuredValue>
                                    <MonetaryValue>299.99</MonetaryValue>
                                </InsuredValue>
                            </PackageServiceOptions>
                        </Package>
                    </Shipment>
                    <LabelSpecification>
                        <LabelPrintMethod>
                            <Code>GIF</Code>
                        </LabelPrintMethod>
                        <HTTPUserAgent>Mozilla/4.5</HTTPUserAgent>
                        <LabelImageFormat>
                            <Code>GIF</Code>
                        </LabelImageFormat>
                    </LabelSpecification>
                </ShipmentConfirmRequest>
```

ShipmentConfirmResponse Example Message

```
<?xml version="1.0" ?>ShipmentAcceptRequest
<ShipmentConfirmResponse>
    <Response>
        <TransactionReference>
            <CustomerContext>guidlikesubstance</CustomerContext>
            <XpciVersion>1.0001</XpciVersion>
        </TransactionReference>
        <ResponseStatus>0</ResponseStatus>
        <ResponseStatusDescription>success</ResponseStatusDescription>
    </Response>
    <ShipmentCharges>
        <TransportationCharges>
```

```
                <MonetaryValue>19.60</MonetaryValue>
            </TransportationCharges>
            <ServiceOptionsCharges>
                <MonetaryValue>3.40</MonetaryValue>
            </ServiceOptionsCharges>
            <TotalCharges>
                <MonetaryValue>23.00</MonetaryValue>
            </TotalCharges>
        </ShipmentCharges>
        <BillingWeight>
            <Weight>36.0</Weight>
        </BillingWeight>
        <ShipmentIdentificationNumber>1Z123X670299567041</ShipmentIdentificationNumber>
        <ShipmentDigest>FSDJHFSDJSHDJK47873487489KFSDJKQSDFSJDFK9
4238093489034KSDFJSDFKLJFDSKFKDJFSDKJFLSDKA923809234893402K
LSDFJKLSDFJDFKSJFSDKLJFDSKLJFSDKLJ49230843920814309KLSDFJF
KLSDJFDKLSJSDFKLJDKFLJDSKLJ092348349223098IJKLFJKLFSDJFKLA
SDJFKAJFSDIUR897348574KJWEHRIQEWU8948348(truncated)</ShipmentDigest>
    </ShipmentConfirmResponse>
```

ShipmentAcceptRequest Example Message

```
<?xml version="1.0" ?>
<AccessRequest xml:lang='en-US'>
    <AccessLicenseNumber>YOURACCESSLICENSENUMBER</AccessLicenseNumber>
    <UserId>YOURUSERID</UserId>
    <Password>YOURPASSWORD</Password>
</AccessRequest>
<?xml version="1.0" ?>
<ShipmentAcceptRequest>
    <Request>
        <TransactionReference>
            <CustomerContext>guidlikesubstance</CustomerContext>
            <XpciVersion>1.0001</XpciVersion>
        </TransactionReference>
        <RequestAction>ShipAccept</RequestAction>
    </Request>
    <ShipmentDigest>FSDJHFSDJSHDJK47873487489KFSDJKQSDFSJDFK94238093489034KSDFJSDFK
LJFDSKFKDJFSDKJFLSDKA923809234893402KLSDFJKLSDFJDFKSJFSDKLJFDSKLJFSDKLJ49230843
920814309KLSDFJFKLSDJFDKLSJSDFKLJDKFLJDSKLJ092348349223098IJKLFJKLFSDJFKLASDJFKA
JFSDIUR897348574KJWEHRIQEWU8948348(truncated)</ShipmentDigest>
</ShipmentAcceptRequest>
```

(Forward) ShipmentAcceptResponse Example Message

```xml
<?xml version="1.0" ?>
<ShipmentAcceptResponse>
    <Response>
        <TransactionReference>
            <CustomerContext>guidlikesubstance</CustomerContext>
            <XpciVersion>1.0001</XpciVersion>
        </TransactionReference>
        <ResponseStatus>0</ResponseStatus>
        <ResponseStatusDescription>success</ResponseStatusDescription>
    </Response>
    <ShipmentResults>
        <ShipmentCharges>
            <TransportationCharges>
                <MonetaryValue>19.60</MonetaryValue>
            </TransportationCharges>
            <ServiceOptionsCharges>
                <MonetaryValue>3.40</MonetaryValue>
            </ServiceOptionsCharges>
            <TotalCharges>
                <MonetaryValue>23.00</MonetaryValue>
            </TotalCharges>
        </ShipmentCharges>
        <BillingWeight>
            <Weight>36.0</Weight>
        </BillingWeight>
        <ShipmentIdentificationNumber>
            1Z123X670299567041
        </ShipmentIdentificationNumber>
        <PackageResults>
            <TrackingNumber>1Z123X670299567041</TrackingNumber>
            <ServiceOptionsCharges>
                <MonetaryValue>1.20</MonetaryValue>
            </ServiceOptionsCharges>
            <LabelImage>
                <LabelImageFormat>
                    <Code>GIF</Code>
                </LabelImageFormat>
                <GraphicImage>FSDJHSDJHJ3487EHNE9U8DY9VHRFV89SDFHFSDJHFSDIDFH
SJKDFSJKDFSJIU9GFIUGJIFDUJG9UKGLDJFDKJDGKJDFKGDJLDFKSJGKDFJDKGFDG9E0ER
IJGE39IWURE9U9ER0UW9R0UR9WEGU9URE9WGUW90U90GRUG90GERUG9REUGWERGJIO
JGIODFGUIOFDUGIOFUIGRUE090U9TERUT90RUT9EU90ERUT9ERU9EUER9TUT9R0UTE90R
U9TERU90RTEU9SDKHGJHGDFU</GraphicImage>
                <HTMLImage>SKJJKLHGIGKHGKJHGFJGFJHDFJGHDDJFHFDJHFJHFJKDHJK
FDHJFJDFHDFJHJDFHGJDHGDFSHJKFSDHSDFJHFJSDHJKDFHFJKSHDSKJHGFDJSJDFSKSK
JJKLHGIGKHGKJHGFJGFJHDFJGHDDJFHFDJHFJHFJKDHJKFDHJFJDFHDFJHJDFHGJDHGDF
SHJKFSDHSDFJHFJSDHJKDFHFJKSHDSKJHGFDJSJDFSKHGJKDS</HTMLImage>
            </LabelImage>
        </PackageResults>
        <PackageResults>
            <TrackingNumber>1Z123X670292134678</TrackingNumber>
            <AccessorialCharges>
```

```
                    <MonetaryValue>2.20</MonetaryValue>
                </AccessorialCharges>
                <LabelImage>
                    <LabelImageFormat>
                        <Code>GIF</Code>
                    </LabelImageFormat>
                    <GraphicImage>895UIGJ89XCASDVIGFUISDFNKLFSDANUI43UIT34IONSDFK
HG89GUKGJNGKDJFKDJDGKJDKFSDU089REUTDRKJOEIOUTERIJREIKGRJIGOWEJIEJIEGJ
GRIOEJGRIGJIODJGFIODFJSIOUDFIOGDFUGDF890ERUTRIOGTJRDIOOGJGIOSDFJGIOJGIOJ
IOGFUGJIOGU90E8T9TRFIRWEU90WERU90WU90WTU90WUT09WEUTWRJGKSDFJGIOSDFJ
GOISDFJGIOSJSD</GraphicImage>
                    <HTMLImage>JDFSKAATRIOERHIOEGHNVIXCUIFGJMFDGMAN8Y89H54JM
N1MK345H8SDHFDHGJKGHFDJKGHDGKSFJAH893YTUITNGDFJSGH8935Y5RTHDDFJKHT89
HTJETHWER8934Y89534KGNDFOJKKH893RYETFIHTRUIOEY89TY34IHDFUIHGRU9T38934UI
THDIUJTHEQW89RY8WIERHT9RI</HTMLImage>
                </LabelImage>
            </PackageResults>
        </ShipmentResults>
    </ShipmentAcceptResponse>
```

VoidShipmentRequest Example Message

```
<?xml version="1.0" ?>
<AccessRequest xml:lang='en-US'>
    <AccessLicenseNumber>YOURACCESSLICENSENUMBER</AccessLicenseNumber>
    <UserId>YOURUSERID</UserId>
    <Password>YOURPASSWORD</Password>
</AccessRequest>
<?xml version="1.0" encoding="UTF-8" ?>
<VoidShipmentRequest>
    <Request>
        <TransactionReference>
            <CustomerContext>Customer Transaction ID</CustomerContext>
            <XpciVersion>1.0001</XpciVersion>
        </TransactionReference>
        <RequestAction>Void</RequestAction>
        <RequestOption />
    </Request>
    <ExpandedVoidShipment>
        <ShipmentIdentificationNumber>
            1Z12345E2318693258
        </ShipmentIdentificationNumber>
        <TrackingNumber>1Z12345E0390819985</TrackingNumber>
        <TrackingNumber>1Z12345E0193078536</TrackingNumber>
    </ExpandedVoidShipment>
</VoidShipmentRequest>
```

VoidShipmentResponse Example Message

```xml
<?xml version="1.0" ?>
<VoidShipmentResponse>
    <Response>
        <TransactionReference>
            <CustomerContext>Customer Transaction ID</CustomerContext>
            <XpciVersion>1.0001</XpciVersion>
        </TransactionReference>
        <ResponseStatusCode>1</ResponseStatusCode>
        <ResponseStatusDescription>Success</ResponseStatusDescription>
    </Response>
    <Status>
        <StatusType>
            <Code>1</Code>
            <Description>Success</Description>
        </StatusType>
        <StatusCode>
            <Code>1</Code>
            <Description>Success</Description>
        </StatusCode>
    </Status>
</VoidShipmentResponse>
```

1.8.2 Authenticating Client Applications

UPS Shipping Services are only available for authorized UPS customers. To enforce this policy, UPS requires that every message that a client application sends include important authentication information. That information is contained in an AccessRequest XML document that must begin each message.

AccessRequest
  —**AccessLicenseNumber**::string
  —**UserId**::string
  └—**Password**::string

Each AccessRequest**{** XE "AccessRequest" **}** contains three child elements: an AccessLicenseNumber, a UserId, and a Password. The following figure shows an example AccessRequest document.

```xml
<?xml version="1.0" ?>
<AccessRequest xml:lang='en-US'>
    <AccessLicenseNumber>
        YOURACCESSLICENSENUMBER
    </AccessLicenseNumber>
    <UserId>
        YOURUSERID
    </UserId>
    <Password>
        YOURPASSWORD
    </Password>
</AccessRequest>
```

1.8.3 Shipment Confirm Request

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
ShipmentConfirmRequest	/ShipmentConfirmRequest	Yes	1	Container										
Request	/ShipmentConfirmRequest/Request	Yes	1	Container	N/A	N/A								
RequestAction	/ShipmentConfirmRequest/Request/RequestAction	Yes	1	String	11	Indicates the action to be taken by the XML service.	Must be ShipConfirm.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
RequestOption	/ShipmentConfirmRequest/Request/RequestOption	Yes	1	String	1..256	Optional Processing. nonvalidate = No stree level address validation would be performed, but Postal Code/State combination validation would still be performed. validate = Fail on failed stree level address validation. Defaults to validate. Note: Full address validation is not performed. Therefore, it is the responsibility of the Shipping API User to ensure the address entered is correct to avoid an address correction fee.	Values blank, validate, or nonvalidate.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Transaction Reference	/ShipmentConfirmRequest/Request/TransactionReference	No	1	Container	N/A	TransactionReference identifies transactions between client and server.								
CustomerContext	/ShipmentConfirmRequest/Request/TransactionReference/CustomerContext	No	1	String	1..512	Customer context								
Shipment	/ShipmentConfirmRequest/Shipment	Yes	1	Container	N/A	N/A								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Description	/ShipmentConfirmRequest/Shipment/Description	No	1	String	1..35	The Description of Goods for the shipment. Applies to international shipments only. Provide a detailed description of items being shipped for documents and non-documents. Provide specific descriptions, such as "annual reports" and" 9 mm steel screws".								
ReturnServi ce	/ShipmentConfirmRequest/Shipment/ReturnService	No	1	Container	N/A	Type of Return service. When this container exists, the shipment is a return shipment.			X					

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Code	/ShipmentConfirmRequest/Shipment/ReturnService/Code	Yes*	1	String	1	Return Service types:			X					

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
						2 = UPS Print and Mail (PNM) 3 = UPS Return Service 1-Attempt (RS1) 5 = UPS Return Service 3-Attempt (RS3) 8 = UPS Electronic Return Label (ERL) 9 = UPS Print Return Label (PRL): 10 = UPS Exchange Print Return Label: 11 = UPS Pack & Collect Service 1-Attempt Box 1: 12 = UPS Pack & Collect Service 1-Attempt Box 2: 13 = UPS Pack & Collect Service 1-Attempt Box 3: 14 = UPS Pack & Collect Service 1-Attempt Box 4: 15 = UPS Pack & Collect Service 1-Attempt Box 5: 16 = UPS Pack & Collect Service 3-Attempt Box 1: 17 = UPS Pack & Collect Service 3-Attempt Box 2: 18 = UPS Pack & Collect Service 3-Attempt Box 3: 19 = UPS Pack & Collect Service 3-Attempt Box 4: 20 = UPS Pack & Collect Service 3-Attempt Box 5								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Documents Only	/ShipmentConfirmRequest/Shipment/DocumentsOnly	No	1	String	0	Indicates a shipment contains written, typed, or printed communication of no commercial value. If DocumentsOnly is not specified then it implies that the shipment contains non documents or documents of commercial value. Default is a shipment contains non-documents or documents of commercial value.	Valid only for shipments with different origin and destination countries. The origin country is not US, and the destination country is not CA, PR or MX.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Shipper	/ShipmentConfirmRequest/Shipment/Shipper	Yes	1	Container	1..35	Container tag for Shipper's information								
Name	/ShipmentConfirmRequest/Shipment/Shipper/Name	Yes	1	String	1..35	Shipper's company name. For forward Shipment 35 characters are accepted, but only 30 characters will be printed on the label.								
AttentionNa me	/ShipmentConfirmRequest/Shipment/Shipper/Attentio nName	Cond	1	String	1..35	Shipper's Attention Name. For forward Shipment 35 characters are accepted, but only 30 characters will be printed on the label.	Required if destination is international. Required if Invoice and Co International forms are requested and the ShipFrom address is not present.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
CompanyDisplayableName	/ShipConfirmRequest/Shipment/Shipper/CompanyDisplayableName	No	One	string	1..35	Shipper's Company Displayable Name. This is available for Shipper accounts enabled by UPS and applies to Forward Shipments. The CompanyDisplayableName will be displayed in tracking results and notification messages in place of the name associated with the shipper account. The original shipper account name will be displayed for all Return Services and Import Control Shipments.								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
ShipperNumber	/ShipmentConfirmRequest/Shipment/Shipper/ShipperNumber	Yes	1	String	6	Shipper's six digit account number.	Size must be six alphanumeric characters. Must be associated with the UserId specified in the AccessRequest XML The account must be a valid UPS account number that is active. For US, PR and CA accounts, the account must be either a daily pickup account, an occasional account, or a customer B.I.N account. Drop Shipper accounts are valid for return service shipments only if the account is Trade Direct (TD) enabled. All other accounts must be either a daily pickup account, or an occasional account.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
TaxIdentificationNumber	/ShipmentConfirmRequest/Shipment/Shipper/TaxIdentificationNumber	Cond	1	String	1..15	Shipper's Tax Identification Number	Conditionally required if SED form (International forms) is requested and ship From is not mentioned.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
PhoneNumber	/ShipmentConfirmRequest/Shipment/Shipper/PhoneNumber	Cond	1	String	1..15	Shipper's Phone Number	Valid values are 0 - 9.If Shipper country is US, PR, CA, and VI, the layout is area code, 7 digit PhoneNumber or area code, 7 digit PhoneNumber, 4 digit extension number; for other countries, the layout is CountryCode, area code, 7 digit number A phone number is required if destination is international.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
FaxNumber	/ShipmentConfirmRequest/Shipment/Shipper/FaxNumber	No	1	String	1..14	Shipper's Fax Number.								
EMailAddress	/ShipmentConfirmRequest/Shipment/Shipper/EMailAddress	No	1	String	1..50	Shipper's email address.								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Address	/ShipmentConfirmRequest/Shipment/Shipper/Address	Yes	1	Container	N/A	Address of the shipper.	The package should be returned to this address if the package is undeliverable. This address appears on the upper left hand corner of the label. Note: If the ShipFrom container is not present then this address will be used as the ShipFrom address. If this address is used as the ShipFrom the shipment will be rated from this origin address							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
AddressLine 1	/ShipmentConfirmRequest/Shipment/Shipper/Address /AddressLine1	Yes	1	String	1..35	Address Line 1 of the shipper. For forward Shipment 35 characters are accepted, but only 30 characters will be printed on the label.								
AddressLine 2	/ShipmentConfirmRequest/Shipment/Shipper/Address /AddressLine2	No	1	String	1..35	Address Line 2 of the shipper. Usually Room/Floor information. For forward Shipment 35 characters are accepted.								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
AddressLine 3	/ShipmentConfirmRequest/Shipment/Shipper/Address /AddressLine3	No	1	String	1..35	Address Line 3 of the shipper. Usually department information. For forward Shipment 35 characters are accepted.								
City	/ShipmentConfirmRequest/Shipment/Shipper/Address /City	Yes	1	String	1..30	Shipper's city. For forward Shipment 30 characters are accepted, but only 15 characters will be printed on the label.								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
StateProvinceCode	/ShipmentConfirmRequest/Shipment/Shipper/Address/StateProvinceCode	Cond	1	String	2..5	Shipper's state or province code. For forward Shipment 5 characters are accepted, but only 2 characters will be printed on the label.	Required if shipper is in the US or CA. If Shipper country is US or CA, then the value must be a valid US State/Canadian Province code. If the country is Ireland, the StateProvinceCode will contain the county.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
PostalCode	/ShipmentConfirmRequest/Shipment/Shipper/Address /PostalCode	Cond	1	String	1..10	Shipper's postal code.	If Shipper country is US or Puerto Rico, 5 or 9 digits is required. . The character - may be used to separate the first five digits and the last four digits. If the Shipper country is CA, then the postal code is required and must be 6 alphanumeric characters whose format is A#A#A# where A is an uppercase letter and # is a digit. For all other countries the postal code is optional and must be no more than 9 alphanumeric characters long.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
CountryCode	/ShipmentConfirmRequest/Shipment/Shipper/Address/CountryCode	Yes	1	String	2	Shipper's country code.	Must be a valid UPS Billing country code. For Forward shipments it must also be an allowable UPS origin country. For Return Shipment the country code must meet the following conditions: 1) At least two of the following country codes are the same: ShipTo, ShipFrom, and Shipper.2) None of the following country codes are the same and are a member of the EU: ShipTo, ShipFrom, and Shipper.3)If any of the two following country codes :ShipTo/ ShipFrom/ Shipper are members in EU otherwise check if the shipper has Third Country Contract.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
ShipTo	/ShipmentConfirmRequest/Shipment/ShipTo	Yes	1	Container	N/A	N/A								
CompanyName	/ShipmentConfirmRequest/Shipment/ShipTo/CompanyName	Yes	1	String	1..35	Consignee's company name. For RFA Shipment 35 characters are accepted, but only 25 characters will be printed on the label.								
AttentionName	/ShipmentConfirmRequest/Shipment/ShipTo/AttentionName	Cond	1	String	1..35	Contact name at the consignee's location. For RFA Shipment 35 characters are accepted, but only 25 characters will be printed on the label.	Required for: UPS Next Day Air Early A.M. service, and when ShipTo country is different than ShipFrom country. Required if Invoice International form is requested							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
TaxIdentificationNumber	/ShipmentConfirmRequest/Shipment/ShipTo/TaxIdentificationNumber	No	1	String	1..15	Consignee's tax identification number.								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
PhoneNumber	/ShipmentConfirmRequest/Shipment/ShipTo/PhoneNumber	Cond	1	String	1..15	Consignee's phone number.	Required for: UPS Next Day Air Early A.M. service, and when Ship To country is different than the ShipFrom country. If ShipTo country is US, PR, CA, and VI, the layout is area code, 7 digit PhoneNumber or area code, 7 digit PhoneNumber, 4 digit extension number; number; for other countries, the layout is CountryCode, area code, 7 digit number .							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
FaxNumber	/ShipmentConfirmRequest/Shipment/ShipTo/FaxNumber	No	1	String	1..15	Consignee's fax number.	If ShipTo country is US 10 digits allowed, otherwise 1..15 digits allowed.							
EMailAddress	/ShipmentConfirmRequest/Shipment/ShipTo/EMailAddress	No	1	String	1..50	Ship To email address.								
Address	/ShipmentConfirmRequest/Shipment/ShipTo/Address	Yes	1	Container	N/A	N/A								
AddressLine 1	/ShipmentConfirmRequest/Shipment/ShipTo/Address/AddressLine1	Yes	1	String	1..35	Address Line 1 of the consignee. For RFA Shipment 35 characters are accepted, but only 25 characters will be printed on the label.								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
AddressLine 2	/ShipmentConfirmRequest/Shipment/ShipTo/Address/ AddressLine2	No	1	String	1..35	Address Line 2 of the consignee. Usually Room/Floor information. For RFA Shipment 35 characters are accepted, but only 25 characters will be printed on the label.								
AddressLine 3	/ShipmentConfirmRequest/Shipment/ShipTo/Address/ AddressLine3	No	1	String	1..35	Address Line 3 of the consignee. Usually department information. For RFA Shipment 35 characters are accepted, but only 25 characters will be printed on the label.								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
City	/ShipmentConfirmRequest/Shipment/ShipTo/Address/City	Yes	1	String	1..30	Consignee's city. For RFA Shipment 30 characters are accepted, but only 16 characters will be printed on the label. For Shipment other than RFA 30 characters are accepted, but only 15 will be printed on Label.								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
StateProvinceCode	/ShipmentConfirmRequest/Shipment/ShipTo/Address/StateProvinceCode	Cond	1	String	2..5	Consignee's state or province code. Required for US or Canada. 5 characters are accepted, but only 2 characters will be printed on Label.	If destination is US or CA, then the value must be a valid US State/Canadian Province code. If the country is Ireland, the StateProvinceCode will contain the county.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
PostalCode	/ShipmentConfirmRequest/Shipment/ShipTo/Address/ PostalCode	Cond	1	String	1..10	Consignee's postal code.	If the ShipTo country is US or Puerto Rico, 5 or 9 digits is required. If the ShipTo country is CA, then the postal code is required and must be 6 alphanumeric characters whose format is A#A#A# where A is an uppercase letter and # is a digit. Otherwise optional. For all other countries the postal code is optional and must be no more than 9 alphanumeric characters long.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
CountryCode	/ShipmentConfirmRequest/Shipment/ShipTo/Address/CountryCode	Yes	1	String	2	Consignee's country code.	Must be a valid UPS Billing country code. For Return Shipment the country code must meet the following conditions: 1) At least two of the following country codes are the same: ShipTo, ShipFrom, and Shipper. 2) None of the following country codes are the same and are a member of the EU: ShipTo, ShipFrom, and Shipper. 3)If any of the two following country codes :ShipTo/ShipFrom/ Shipper are members in EU otherwise check if the shipper has Third Country Contract.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
ResidentialAddress	/ShipmentConfirmRequest/Shipment/ShipTo/Address/ResidentialAddress	No	1	String	0	Consignee's Residential address indicator. The presence indicates residential address; the absence indicates a business address.								
LocationID	/ShipmentConfirmRequest/Shipment/ShipTo/LocationID	No	1	String	3..10	Location ID is a unique identifier referring to a specific shipping/receiving location.	Location ID must be alphanumeric characters. All letters must be capitalized.							
ShipFrom	/ShipmentConfirmRequest/Shipment/ShipFrom	Cond	1	Container	N/A	Required if pickup location is different from the shipper's address.	Required for return shipment							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
CompanyName	/ShipmentConfirmRequest/Shipment/ShipFrom/CompanyName	*Yes	1	String	1..35	Origin location's company name. 35 characters are accepted, but for return Shipment only 30 characters will be printed on the label, and for RFA Shipment only 20 characters are printed on Label.	Required if ShipFrom tag is in the XML.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
AttentionName	/ShipmentConfirmRequest/Shipment/ShipFrom/AttentionName	*Yes	1	String	1..35	Contact name at the pickup location. 35 characters are accepted, but for return Shipment only 30 characters will be printed on the label, and for RFA Shipment only 20 characters are printed on Label.	Required if ShipFrom tag is in the XML and Invoice or CO International forms is requested. If not present, will default to the Shipper Attention Name.							
TaxIdentificationNumber	/ShipmentConfirmRequest/Shipment/ShipFrom/TaxIdentificationNumber	Cond	1	String	1..15	Company's Tax Identification Number at the pick up location	Conditionally required if SED form (International forms) is requested							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
PhoneNumber	/ShipmentConfirmRequest/Shipment/ShipFrom/PhoneNumber	*Yes	1	String	1..15	Origin location's phone number.	If ShipFrom country is US, PR, CA, and VI, the layout is area code, 7 digit phone number or area code, 7 digit phone number, 4 digit extension number; for other countries, the layout is CountryCode, area code, 7 digit number. Required if ShipFrom tag is in the XML and International forms is requested.							
FaxNumber	/ShipmentConfirmRequest/Shipment/ShipFrom/FaxNumber	No	1	String	1..15	Origin location's fax number.								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Address	/ShipmentConfirmRequest/Shipment/ShipFrom/Address	*Yes	1	Container	N/A	Address of the pickup location.	The package will be originating from or being shipped from this address. The shipment will be rated from this origin address to the destination ship to address.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
AddressLine 1	/ShipmentConfirmRequest/Shipment/ShipFrom/Address/AddressLine1	*Yes	1	String	1..35	Address Line 1 of the pickup location. 35 characters are accepted, but for a return Shipment only 30 characters will be printed on the label, and for RFA Shipment only 20 characters are printed on Label.	Required if ShipFrom tag is in the XML.							
AddressLine 2	/ShipmentConfirmRequest/Shipment/ShipFrom/Address/AddressLine2	No	1	String	1..35	Address Line 2 of the pickup location. Usually Room/Floor information. This line is not printed on the label.								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
AddressLine 3	/ShipmentConfirmRequest/Shipment/ShipFrom/Address/AddressLine3	No	1	String	1..35	Address Line 3 of the pickup location. Usually Room/Floor information. This line is not printed on the label.								
City	/ShipmentConfirmRequest/Shipment/ShipFrom/Address/City	*Yes	1	String	1..30	Origin location's city. 30 characters are accepted, but for return Shipment only 15 characters will be printed on the label, and for RFA Shipment only 11 characters are printed on Label.	Required if ShipFrom tag is in the XML.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
StateProvinceCode	/ShipmentConfirmRequest/Shipment/ShipFrom/Address/StateProvinceCode	Cond	1	String	2..5	Origin location's state or province code. Only 2 Characters will be printed on the Label.	Required if ShipFrom tag is in the XML, and ShipFrom/Country is US. If ShipFrom country is US or CA, then the value must be a valid US State/Canadian Province code. If the country is Ireland, the StateProvinceCode will contain the county.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
PostalCode	/ShipmentConfirmRequest/Shipment/ShipFrom/Address/PostalCode	Cond	1	String	1..10	Origin location's postal code. 10 characters are accepted, but for RFA shipment only 5 characters are printed on the label.	Required if ShipFrom tag is in the XML and the ShipFrom country is the US, Puerto Rico . For US, Puerto Rico must be valid 5 or 9 digit postal codes. '.' The character - may be used to separate the first five digits and the last four digits. If the ShipFrom country is CA, then the postal code must be 6 alphanumeric characters whose format is A#A#A# where A is an uppercase letter and # is a digit. For all other countries the postal code is optional and must be no more than 9 alphanumeric characters long.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
CountryCode	/ShipmentConfirmRequest/Shipment/ShipFrom/Address/CountryCode	Cond	1	String	2	Origin location's country code.	Required if ShipFrom tag is in the XML. For Return Shipment the country code must meet the following conditions:1) At least two of the following country codes are the same: ShipTo, ShipFrom, and Shipper.2) None of the following country codes are the same and are a member of the EU: ShipTo, ShipFrom, and Shipper.3) 3If any of the two following country codes :ShipTo/ ShipFrom/ Shipper are members in EU otherwise check if the shipper has Third Country Contract.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
SoldTo	/ShipmentConfirmRequest/Shipment/SoldTo	Cond	1	Container	N/A	The person or company who imports and pays any duties due on the current shipment.	Applies to Invoice and NAFTA CO Forms. Required if Invoice or NAFTA CO (International Form) is requested							
Option	/ShipmentConfirmRequest/Shipment/SoldTo/Option	No	1	String	1..10	The text associated with the code will be printed in the sold to section of the NAFTA CO form The values indicate the following: 01 - Unknown; 02 - Various	Applies to NAFTA CO form. Possible Values are							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
CompanyName	/ShipmentConfirmRequest/Shipment/SoldTo/CompanyName	Cond	1	String	1..35	Company name.	Applies to Invoice form. Applies to NAFTA CO form if sold to option is empty or not present Required for Invoice. Required for NAFTA CO if sold to option is not provided							
AttentionName	/ShipmentConfirmRequest/Shipment/SoldTo/AttentionName	Cond	1	String	1..35	Contact name.	Applies to Invoice form. Applies to NAFTA CO form if sold to option is empty or not present Required for Invoice. Required for NAFTA CO if sold to option is not provided							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
TaxIdentificationNumber	/ShipmentConfirmRequest/Shipment/SoldTo/TaxIdentificationNumber	No	1	String	1..15	SoldTo Tax Identification Number	Applies to Invoice form. Applies to NAFTA CO form if sold to option is empty or not present							
PhoneNumber	/ShipmentConfirmRequest/Shipment/SoldTo/PhoneNumber	Cond	1	String	1..15	Sold To contacts phone number.	Applies to Invoice form. Applies to NAFTA CO form if sold to option is empty or not present Required for Invoice. Required for NAFTA CO if sold to option is not provided							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Address	/ShipmentConfirmRequest/Shipment/SoldTo/Address	No	1	Container	N/A	Address of the Sold to location.	Applies to Invoice form. Applies to NAFTA CO form if sold to option is empty or not present Required for Invoice. Required for NAFTA CO if sold to option is not provided							
AddressLine 1	/ShipmentConfirmRequest/Shipment/SoldTo/Address/ AddressLine1	*Yes	1	String	1..35	Address Line 1 of the Sold to location.	Applies to Invoice form. Applies to NAFTA CO forms, if sold to option is empty or not present. Required for Invoice. Required for NAFTA CO if sold to option is not provided							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
AddressLine 2	/ShipmentConfirmRequest/Shipment/SoldTo/Address/AddressLine2	No	1	String	1..35	Address Line 2 of the pickup location. Usually Room/Floor information.	Applies to Invoice form. Applies to NAFTA CO form if sold to option is empty or not present							
AddressLine 3	/ShipmentConfirmRequest/Shipment/SoldTo/Address/AddressLine3	No	1	String	1..35	Address Line 3 of the pickup location. Usually department information.	Applies to Invoice form. Applies to NAFTA CO form if sold to option is empty or not present							
City	/ShipmentConfirmRequest/Shipment/SoldTo/Address/City	*Yes	1	String	1..30	SoldTo location's city.	Applies to Invoice form. Applies to NAFTA CO form if sold to option is empty or not present Required for Invoice. Required for NAFTA CO if sold to option is not provided							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
StateProvinceCode	/ShipmentConfirmRequest/Shipment/SoldTo/Address/StateProvinceCode	Cond	1	String	0..5	SoldTo location's state or province code.	Applies to Invoice form. Applies to NAFTA CO form if sold to option is empty or not present Required for certain countries							
PostalCode	/ShipmentConfirmRequest/Shipment/SoldTo/Address/PostalCode	Cond	1	String	1..9	SoldTo location's postal code.	Applies to Invoice form. Applies to NAFTA CO form if sold to option is empty or not present Required for certain countries The length of the postal code depends on the country code.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
CountryCode	/ShipmentConfirmRequest/Shipment/SoldTo/Address/CountryCode	Cond	1	String	2	SoldTo location's country code.	Applies to Invoice form. Applies to NAFTA CO form if sold to option is empty or not present Required for Invoice Required for NAFTA CO if sold to option is not provided							
PaymentInformation	/ShipmentConfirmRequest/Shipment/PaymentInformation	Cond	1	Container	N/A	Payment information	This element or its sibling element, ItemizedPaymentInformation, must be present but no more than one can be present.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Prepaid	/ShipmentConfirmRequest/Shipment/PaymentInformation/Prepaid	Cond	1	Container	N/A	Prepaid container for a billing option.	Required for the Bill Shipper billing option. This element or its sibling element, BillThirdParty or FreightCollect must be present, but no more than one can be present.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
BillShipper	/ShipmentConfirmRequest/Shipment/PaymentInformation/Prepaid/BillShipper	Yes	1	Container	N/A	Container for the BillShipper billing option. The two payment methods that are available for the Bill Shipper billing option are account number or credit card.	A payment method must be specified for the Bill Shipper billing option. Therefore, either the AccountNumber child element or the CreditCard child element must be provided, but not both.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
AccountNumber	/ShipmentConfirmRequest/Shipment/PaymentInformation/Prepaid/BillShipper/AccountNumber	Cond	1	String	6	UPS Account number.	Must be the same UPS account number as the one provided in Shipper/ShipperNumber. . Either this element or the sibling element CreditCard must be provided, but both may not be provided.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
CreditCard	/ShipmentConfirmRequest/Shipment/PaymentInformation/Prepaid/BillShipper/CreditCard	Cond	1	Container	N/A	Credit card information container	Required if /ShipmentConfirmRequest/ Shipment/PaymentInformati on/Prepaid/BillShipper/Acco untNumber is not present. Credit card payment is valid for shipments without return service only.	X						
Type	/ShipmentConfirmRequest/Shipment/PaymentInformation/Prepaid/BillShipper/CreditCard/Type	*Yes	1	String	2	Values are 01 = American Express, 03 = Discover, 04 = MasterCard, 05 = Optima, 06 = VISA, 07 = Bravo, and 08 = Diners Club.	Valid values are: 01, 03, 04 and 06.For Discover card the ShipFrom country has to be US	X						
Number	/ShipmentConfirmRequest/Shipment/PaymentInformation/Prepaid/BillShipper/CreditCard/Number	*Yes	1	String	9..16	Credit Card number		X						

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
ExpirationDate	/ShipmentConfirmRequest/Shipment/PaymentInformation/Prepaid/BillShipper/CreditCard/ExpirationDate	*Yes	1	String	6	Format is MMYYYY where MM is the 2 digit month and YYYY is the 4 digit year.	Valid month values are 01-12 and valid year values are Present Year - 2015	X						

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
SecurityCode	/ShipmentConfirmRequest/Shipment/PaymentInformation/Prepaid/BillShipper/CreditCard/SecurityCode	Cond	1	String	3..4	Three or four digits that can be found either on front of credit card or on the back of credit card. Number of digits varies by credit card type.	Valid values are 3 or 4 digit It is recommended to provide the security code if credit card information is provided and when the ShipFrom countries are other than the below mentioned countries. Argentina Bahamas Costa Rica Dominican Rep Guatemala Panama Puerto Rico Russia	X						

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Address	/ShipmentConfirmRequest/Shipment/PaymentInformation/Prepaid/BillShipper/CreditCard/Address	Cond	1	Container	N/A	Container to hold the Credit card Billing Address.	It is required to provide the billing address if credit card information is provided and when the ShipFrom country is the US, PR, and CA.	X						
AddressLine 1	/ShipmentConfirmRequest/Shipment/PaymentInformation/Prepaid/BillShipper/CreditCard/Address/AddressLine1	*Yes	1	String	1..35	Address Line 1 of the credit card billing address. Usually Street address information.		X						
AddressLine 2	/ShipmentConfirmRequest/Shipment/PaymentInformation/Prepaid/BillShipper/CreditCard/Address/AddressLine2	No	1	String	1..35	Address Line 2 of the credit card billing Address. Usually Room/Floor information.		X						

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
AddressLine 3	/ShipmentConfirmRequest/Shipment/PaymentInformation/Prepaid/BillShipper/CreditCard/Address/AddressLine3	No	1	String	1..35	Address Line 3 of the credit card billing address. Usually department information.		X						
City	/ShipmentConfirmRequest/Shipment/PaymentInformation/Prepaid/BillShipper/CreditCard/Address/City	*Yes	1	String	1..30	City of the credit card billing address		X						
StateProvinceCode	/ShipmentConfirmRequest/Shipment/PaymentInformation/Prepaid/BillShipper/CreditCard/Address/StateProvinceCode	*Yes	1	String	2..5	State or province code of the credit card billing address.		X						
PostalCode	/ShipmentConfirmRequest/Shipment/PaymentInformation/Prepaid/BillShipper/CreditCard/Address/PostalCode	*Yes	1	String	1..10	Credit card billing addressee postal code.		X						
CountryCode	/ShipmentConfirmRequest/Shipment/PaymentInformation/Prepaid/BillShipper/CreditCard/Address/CountryCode	*Yes	1	String	2	Credit card billing address country code.	Must be a valid UPS Billing country code. For Discover card it should be US	X						

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
BillThirdParty	/ShipmentConfirmRequest/Shipment/PaymentInformation/BillThirdParty	Cond	1	Container	N/A	Container for the third party billing option.	This element or its sibling element Prepaid or FreightCollect must be present, but no more than one can be present.							
BillThirdPartyShipper	/ShipmentConfirmRequest/Shipment/PaymentInformation/BillThirdParty/BillThirdPartyShipper	Yes	1	Container	N/A	Container for the third party shipper billing option.								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
AccountNumber	/ShipmentConfirmRequest/Shipment/PaymentInformation/BillThirdParty/BillThirdPartyShipper/AccountNumber	Yes	1	String	6	The UPS account number of the third party shipper.	The account must be a valid UPS account number that is active. For US, PR and CA accounts, the account must be either a daily pickup account, an occasional account, or a customer B.I.N account, or a drop shipper account. All other accounts must be either a daily pickup account, an occasional account, a drop shipper account, or a non-shipping account							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
ThirdParty	/ShipmentConfirmRequest/Shipment/PaymentInformation/BillThirdParty/BillThirdPartyShipper/ThirdParty	Yes	1	Container	N/A	Container for additional information for the third party shipper's UPS account.								
Address	/ShipmentConfirmRequest/Shipment/PaymentInformation/BillThirdParty/BillThirdPartyShipper/ThirdParty/Address	Yes	1	Container	N/A	Container for additional information for the third party shipper's UPS account address.								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
PostalCode	/ShipmentConfirmRequest/Shipment/PaymentInformation/BillThirdParty/BillThirdPartyShipper/ThirdParty/Address/PostalCode	Cond	1	String	1..10	The postal code for the UPS account's pickup address. The pickup postal code was entered in the UPS system when the account was set-up.	The postal code must be the same as the UPS account pickup address postal code. Required for United States and Canadian UPS accounts and/or if the UPS account pickup address has a postal code. If the UPS account's pickup country is US or Puerto Rico, the postal code is 5 or 9 digits. The character - may be used to separate the first five digits and the last four digits. If the UPS account's pickup country is CA, the postal code is 6 alphanumeric characters whose format is A#A#A# where A is an uppercase letter and # is a digit.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
CountryCode	/ShipmentConfirmRequest/Shipment/PaymentInformation/BillThirdParty/BillThirdPartyShipper/ThirdParty/Address/CountryCode	Yes	1	String	2	The country code for the UPS account's pickup address.								
FreightCollect	/ShipmentConfirmRequest/Shipment/PaymentInformation/FreightCollect	Cond	1	Container	N/A	Container for the Freight Collect billing option.	This element or its sibling element Prepaid or BillThirdParty must be present, but no more than one can be present. Only allowed for shipment without return service.	X						
BillReceiver	/ShipmentConfirmRequest/Shipment/PaymentInformation/FreightCollect/BillReceiver	Yes	1	Container	N/A	Container for billing the consignee all freight charges option.		X						

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
AccountNumber	/ShipmentConfirmRequest/Shipment/PaymentInformation/FreightCollect/BillReceiver/AccountNumber	Yes	1	String	6	The UPS account number of Freight Collect.	The account must be a valid UPS account number that is active. For US, PR and CA accounts, the account must be either a daily pickup account, or an occasional account, a customer B.I.N account, or a dropper shipper account. All other accounts must be either a daily pickup account, an occasional account, a drop shipper account, or a non-shipping account	X						

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Address	/ShipmentConfirmRequest/Shipment/PaymentInformation/FreightCollect/BillReceiver/Address	No	1	Container	N/A	Container for additional information for the bill receivers UPS account address.		X						

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
PostalCode	/ShipmentConfirmRequest/Shipment/PaymentInformation/FreightCollect/BillReceiver/Address/PostalCode	Cond	1	String	1..10	The postal code for the UPS account's pickup address. The pickup postal code was entered in the UPS system when the account was set-up.	The postal code must be the same as the UPS account pickup address postal code. Required for United States and Canadian UPS accounts and/or if the UPS account pickup address has a postal code. If the UPS account's pickup country is US or Puerto Rico, the postal code is 5 or 9 digits. If the UPS account's pickup country is CA, the postal code is 6 alphanumeric characters whose format is A#A#A# where A is an uppercase letter and # is a digit.	X						

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
ConsigneeB illed	/ShipmentConfirmRequest/Shipment/PaymentInforma tion/ConsigneeBilled	Cond	1	String	0	Consignee Billing payment option indicator. The presence indicates consignee billing option is selected. The absence indicates one of the other payment options is selected.	This element or its sibling element Prepaid or FreightCollect or BillThirdParty must be present, but no more than one can be present. Only applies to US/PR and PR/US shipment origins and destination.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
ItemizedPaymentInformation	/ShipmentConfirmRequest/Shipment/ItemizedPaymentInformation	Cond	1	Container	N/A	Payment information container for detailed shipment charges. The two shipment charges that are available for specification are Transportation charges and Duties and Taxes.	This element or its sibling element, PaymentInformation, must be present but no more than one can be present.							
ShipmentCharge	/ShipmentConfirmRequest/Shipment/ItemizedPaymentInformation/ShipmentCharge	Yes	2	Container	N/A	Shipment charge container	If Duty and Tax charges are applicable to a shipment and a payer is not specified, the default payer of Duty and Tax charges is Bill to Receiver.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Type	/ShipmentConfirmRequest/Shipment/ItemizedPaymentInformation/ShipmentCharge/Type	*Yes	1	String	2	Values are 01 = Transportation, 02 = Duties and Taxes	A shipment charge type of 01 = Transportation is required. A shipment charge type of 02 = Duties and Taxes is not required; however, this charge type is invalid for Qualified Domestic Shipments. A Qualified Domestic Shipment is any shipment in which one of the following applies:1) The origin and destination country is the same2) US to PR shipment3) PR to US shipment4) The origin and destination country are both European Union Countries and the GoodsNotInFreeCirculation indicator is not present5) The origin and destination IATA code is the same							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
BillShipper	/ShipmentConfirmRequest/Shipment/ItemizedPaymentInformation/ShipmentCharge/BillShipper	Cond	1	Container	N/A	Container for the BillShipper billing option. The two payment methods that are available for the Bill Shipper billing option are account number or credit card.	This element or its sibling element, BillReceiver, BillThirdParty or ConsigneeBilled, must be present but no more than one can be present.							
AccountNumber	/ShipmentConfirmRequest/Shipment/ItemizedPaymentInformation/ShipmentCharge/BillShipper/AccountNumber	Cond	1	String	6	UPS account number	Must be the same UPS account number as the one provided in Shipper/ShipperNumber. Either this element or the sibling element CreditCard must be provided, but both may not be provided.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
CreditCard	/ShipmentConfirmRequest/Shipment/ItemizedPaymentInformation/ShipmentCharge/BillShipper/CreditCard	Cond	1	Container	N/A	Credit card information container	Required if /ShipmentConfirmRequest/ Shipment/ItemizedPayment Information/ShipmentCharge/BillShipper/AccountNumber is not present. Credit card payment is valid for shipments without return service only.							
Type	/ShipmentConfirmRequest/Shipment/ItemizedPaymentInformation/ShipmentCharge/BillShipper/CreditCard/Type	*Yes	1	String	2	Values are 01 = American Express, 03 = Discover, 04 = MasterCard, 05 = Optima, 06 = VISA, 07 = Bravo, and 08 = Diners Club	Valid values are: 01, 03, 04 and 06.For Discover card the ShipFrom country has to be US							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Number	/ShipmentConfirmRequest/Shipment/ItemizedPaymentInformation/ShipmentCharge/BillShipper/CreditCard/Number	*Yes	1	String	9..16	Credit Card number								
ExpirationDate	/ShipmentConfirmRequest/Shipment/ItemizedPaymentInformation/ShipmentCharge/BillShipper/CreditCard/ExpirationDate	*Yes	1	String	6	Format is MMYYYY where MM is the 2 digit month and YYYY is the 4 digit year.	Valid month values are 01-12 and valid year values are Present Year - (Present Year + 10 years)							
SecurityCode	/ShipmentConfirmRequest/Shipment/ItemizedPaymentInformation/ShipmentCharge/BillShipper/CreditCard/SecurityCode	Cond	1	String	3..4	Three or four digits that can be found either on top of credit card number or on the back of credit card. Number of digits varies for different type of credit card.	Valid values are 3 or 4 digits. Required if credit card information is provided and ShipFrom country is US, CA, or PR.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Address	/ShipmentConfirmRequest/Shipment/ItemizedPaymentInformation/ShipmentCharge/BillShipper/CreditCard/Address	Cond	1	Container	N/A	Container to hold the Credit card Billing Address.	Required if credit card information is provided and ShipFrom countries are US, CA and PR.							
AddressLine 1	/ShipmentConfirmRequest/Shipment/ItemizedPaymentInformation/ShipmentCharge/BillShipper/CreditCard/Address/AddressLine1	*Yes	1	String	1..35	Address Line 1 of the credit card billing address. Usually Street address information.								
AddressLine 2	/ShipmentConfirmRequest/Shipment/ItemizedPaymentInformation/ShipmentCharge/BillShipper/CreditCard/Address/AddressLine2	No	1	String	1..35	Address Line 2 of the credit card billing Address. Usually Room/Floor information.								
AddressLine 3	/ShipmentConfirmRequest/Shipment/ItemizedPaymentInformation/ShipmentCharge/BillShipper/CreditCard/Address/AddressLine3	No	1	String	1..35	Address Line 3 of the credit card billing address. Usually department information.								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
City	/ShipmentConfirmRequest/Shipment/ItemizedPaymentInformation/ShipmentCharge/BillShipper/CreditCard/Address/City	*Yes	1	String	1..30	City of the credit card billing address								
StateProvinceCode	/ShipmentConfirmRequest/Shipment/ItemizedPaymentInformation/ShipmentCharge/BillShipper/CreditCard/Address/StateProvinceCode	*Yes	1	String	2..5	State or province code of the credit card billing address.								
PostalCode	/ShipmentConfirmRequest/Shipment/ItemizedPaymentInformation/ShipmentCharge/BillShipper/CreditCard/Address/PostalCode	*Yes	1	String	1..10	Credit card billing addressee postal code.								
CountryCode	/ShipmentConfirmRequest/Shipment/ItemizedPaymentInformation/ShipmentCharge/BillShipper/CreditCard/Address/CountryCode	*Yes	1	String	2	Credit card billing address country code.	Must be a valid UPS Billing country code. For Discover card it should be US							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
BillReceiver	/ShipmentConfirmRequest/Shipment/ItemizedPaymentInformation/ShipmentCharge/BillReceiver	Cond	1	Container	N/A	Container for the BillReceiver billing option.	This element or its sibling element, BillShipper, BillThirdParty or ConsigneeBilled, must be present but no more than one can be present. For a return shipment, BillReceiver is invalid for Transportation charges.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
AccountNumber	/ShipmentConfirmRequest/Shipment/ItemizedPaymentInformation/ShipmentCharge/BillReceiver/AccountNumber	Yes	1	String	6	The UPS account number.	The account must be a valid UPS account number that is active. For US, PR and CA accounts, the account must be either a daily pickup account, an occasional account, a customer B.I.N account, or a dropper shipper account. All other accounts must be either a daily pickup account, an occasional account, a drop shipper account, or a non-shipping account							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Address	/ShipmentConfirmRequest/Shipment/ItemizedPaymentInformation/ShipmentCharge/BillReceiver/Address	No	1	Container	N/A	Container for additional information for the bill receivers UPS account address.								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
PostalCode	/ShipmentConfirmRequest/Shipment/ItemizedPaymentInformation/ShipmentCharge/BillReceiver/Address/PostalCode	Cond	1	String	1..10	The postal code for the UPS account's pickup address. The pickup postal code was entered in the UPS system when the account was set-up.	The postal code must be the same as the UPS account pickup address postal code. Required for United States and Canadian UPS accounts and/or if the UPS account pickup address has a postal code. If the UPS account's pickup country is US or Puerto Rico, the postal code is 5 or 9 digits. The character - may be used to separate the first five digits and the last four digits. If the UPS account's pickup country is CA, the postal code is 6 alphanumeric characters whose format is A#A#A# where A is an uppercase letter and # is a digit.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
BillThirdParty	/ShipmentConfirmRequest/Shipment/ItemizedPaymentInformation/ShipmentCharge/BillThirdParty	Cond	1	Container	N/A	Container for the third party billing option.	This element or its sibling element, BillShipper, BillReceiver or ConsigneeBilled, must be present but no more than one can be present.							
BillThirdPartyShipper	/ShipmentConfirmRequest/Shipment/ItemizedPaymentInformation/ShipmentCharge/BillThirdParty/BillThirdPartyShipper	Cond	1	Container	N/A	Container for the shipper third party billing option.	This element or its sibling element, BillThirdPartyConsignee, must be present but no more than one can be present.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
AccountNumber	/ShipmentConfirmRequest/Shipment/ItemizedPaymentInformation/ShipmentCharge/BillThirdParty/BillThirdPartyShipper/AccountNumber	Yes	1	String	6	The UPS account number of the third party shipper.	The account must be a valid UPS account number that is active. For US, PR and CA accounts, the account must be either a daily pickup account, an occasional account, or a customer B.I.N account, or a drop shipper account. All other accounts must be either a daily pickup account, an occasional account, a drop shipper account, or a non-shipping account							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
ThirdParty	/ShipmentConfirmRequest/Shipment/ItemizedPaymentInformation/ShipmentCharge/BillThirdParty/BillThirdPartyShipper/ThirdParty	Yes	1	Container	N/A	Container for additional information for the third party shipper's UPS account.								
Address	/ShipmentConfirmRequest/Shipment/ItemizedPaymentInformation/ShipmentCharge/BillThirdParty/BillThirdPartyShipper/ThirdParty/Address	Yes	1	Container	N/A	Container for additional information for the third party shipper's UPS account address.								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
PostalCode	/ShipmentConfirmRequest/Shipment/ItemizedPaymentInformation/ShipmentCharge/BillThirdParty/BillThirdPartyShipper/ThirdParty/Address/PostalCode	Cond	1	String	1..10	The postal code for the UPS account's pickup address. The pickup postal code was entered in the UPS system when the account was set-up.	The postal code must be the same as the UPS account pickup address postal code. Required for United States and Canadian UPS accounts and/or if the UPS account pickup address has a postal code. If the UPS account's pickup country is US or Puerto Rico, the postal code is 5 or 9 digits. The character - may be used to separate the first five digits and the last four digits. If the UPS account's pickup country is CA, the postal code is 6 alphanumeric characters whose format is A#A#A# where A is an uppercase letter and # is a digit.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
CountryCode	/ShipmentConfirmRequest/Shipment/ItemizedPaymentInformation/ShipmentCharge/BillThirdParty/BillThirdPartyShipper/ThirdParty/Address/CountryCode	Yes	1	String	2	The country code for the UPS account's pickup address.								
BillThirdPartyConsignee	/ShipmentConfirmRequest/Shipment/ItemizedPaymentInformation/ShipmentCharge/BillThirdParty/BillThirdPartyConsignee	Cond	1	Container	N/A	Container for the consignee third party billing option.	This element or its sibling element, BillThirdPartyShipper, must be present but no more than one can be present.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
AccountNumber	/ShipmentConfirmRequest/Shipment/ItemizedPaymentInformation/ShipmentCharge/BillThirdParty/BillThirdPartyConsignee/AccountNumber	Yes	1	String	6	The UPS account number of the third party consignee.	The account must be a valid UPS account number that is active. For US, PR and CA accounts, the account must be either a daily pickup account, an occasional account, or a customer B.I.N account, or a drop shipper account. All other accounts must be either a daily pickup account, an occasional account, a drop shipper account, or a non-shipping account							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
ThirdParty	/ShipmentConfirmRequest/Shipment/ItemizedPaymentInformation/ShipmentCharge/BillThirdParty/BillThirdPartyConsignee/ThirdParty	Yes	1	Container	N/A	Container for additional information for the third party consignee's UPS account.								
Address	/ShipmentConfirmRequest/Shipment/ItemizedPaymentInformation/ShipmentCharge/BillThirdParty/BillThirdPartyConsignee/ThirdParty/Address	Yes	1	Container	N/A	Container for additional information for the third party consignee's UPS account address.								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
PostalCode	/ShipmentConfirmRequest/Shipment/ItemizedPaymentInformation/ShipmentCharge/BillThirdParty/BillThirdPartyConsignee/ThirdParty/Address/PostalCode	Cond	1	String	1..10	The postal code for the UPS account's pickup address. The pickup postal code was entered in the UPS system when the account was set-up.	The postal code must be the same as the UPS account pickup address postal code. Required for United States and Canadian UPS accounts and/or if the UPS account pickup address has a postal code. If the UPS account's pickup country is US or Puerto Rico, the postal code is 5 or 9 digits. The character - may be used to separate the first five digits and the last four digits. If the UPS account's pickup country is CA, the postal code is 6 alphanumeric characters whose format is A#A#A# where A is an uppercase letter and # is a digit.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
CountryCode	/ShipmentConfirmRequest/Shipment/ItemizedPaymentInformation/ShipmentCharge/BillThirdParty/BillThirdPartyConsignee/ThirdParty/Address/CountryCode	Yes	1	String	2	The country code for the UPS account's pickup address.								
ConsigneeBilled	/ShipmentConfirmRequest/Shipment/ItemizedPaymentInformation/ShipmentCharge/ConsigneeBilled	Cond	1	String	0	Consignee Billing payment option indicator. The presence indicates consignee billing option is selected. The absence indicates one of the other payment options is selected.	This element or its sibling element, BillShipper, BillReceiver or BillThirdParty, must be present but no more than one can be present. This billing option is valid for a shipment charge type of Transportation only. Only applies to US/PR and PR/US shipment origins and destination.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
SplitDutyVA TIndicator	/ShipmentConfirmRequest/Shipment/ItemizedPaymen tInformation/SplitDutyVATIndicator	No	1	String	0	Split Duty VAT Indicator. The presence indicates the payer specified for Transportation Charges will pay transportation charges and any duties that apply to the shipment. The payer specified for Duties and Taxes will pay the VAT (Value-Added Tax) only.	The payment method for Transportation charges must be UPS account. The UPS account must be a daily pickup account or an occasional account.							
GoodsNotIn FreeCirculat ionIndicator	/ShipmentConfirmRequest/Shipment/GoodsNotInFree CirculationIndicator	No	1	String	0	Goods Not In Free Circulation indicator.	This indicator is invalid for a package type of UPS Letter and DocumentsOnly.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
RateInforma tion	/ShipmentConfirmRequest/Shipment/RateInformation	No	1	Container	N/A	Rate information								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
NegotiatedRatesIndicator	/ShipmentConfirmRequest/Shipment/RateInformation/ NegotiatedRatesIndicator	No	1	String	0	Negotiated Rates option indicator. If the indicator is present and the Shipper is authorized then Negotiated Rates should be returned in the response.	Negotiated Rates are of two types Account Based Rates (ABR) and Web Discount Rates. Negotiated Rates are only returned for qualified Shipper Account Numbers. Eligibility is determined using the combination of Userid and the Shipper's Shipper Account Number. If the user is qualified, both Published rates and Negotiated rates are returned to the user. If the Userid and Shipper Account Number are not qualified for Negotiated rates, a warning message is returned that indicates ineligibility and only the Published rates are returned in the response. As per discount eligibility of user, negotiated rates in the response may contain ABR or Web discount rates.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
RateChartIndicator	/ShipmentConfirmRequest/Shipment/RateInformation/RateChartIndicator	No	One	String	0	RateChartIndicator, if present in request, response will contain RateChart element.								
MovementReferenceNumber	/ShipmentConfirmRequest/Shipment/MovementReferenceNumber	No	1	String	18	Movement Reference Number (MRN) information container	Must contain alphanumeric characters only. Must be a length of 18 characters. The 3rd and 4th Characters must be the Shipper country ISO Code.							
ReferenceNumber	/ShipmentConfirmRequest/Shipment/ReferenceNumber	No	2	Container	N/A	Reference Number information container								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
BarCodeIndicator	/ShipmentConfirmRequest/Shipment/ReferenceNumber/BarCodeIndicator	No	1	String	0	If the indicator is present then the reference numbers value will be bar coded on the label.	Allowed for shipment with return service only . Only one shipment-level or package-level reference number can be bar coded per shipment. In order to barcode a reference number, its value must be no longer than 14 alphanumeric characters or 24 numeric characters and cannot contain spaces.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Code	/ShipmentConfirmRequest/Shipment/ReferenceNumber/Code	Yes	1	String	2	Shipment Reference number type code. The code specifies the Reference name.	Valid if the origin/destination pair is not US/US or PR/PR2 character alpha-numeric.							
Value	/ShipmentConfirmRequest/Shipment/ReferenceNumber/Value	Yes	1	String	1..35	Customer supplied reference number.	Valid if the origin/destination pair is not US/US or PR/PR							
Service	/ShipmentConfirmRequest/Shipment/Service	Yes	1	Container	N/A	UPS service type								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Code	/ShipmentConfirmRequest/Shipment/Service/Code	Yes	1	String	2	Values are: 01 = Next Day Air, 02 = 2nd Day Air, 03 = Ground, 07 = Express, 08 = Expedited, 11 = UPS Standard, 12 = 3 Day Select, 13 = Next Day Air Saver, 14 = Next Day Air Early AM, 54 = Express Plus, 59 = 2nd Day Air A.M., 65 = UPS Saver, 82 = UPS Today Standard, 83 = UPS Today Dedicated Courier, 84 = UPS Today Intercity, 85 = UPS Today Express, 86 = UPS Today Express Saver, 96 = UPS Worldwide Express Freight.	The following Services are not available to return shipment: 13 - Next Day Air Saver 14 - Next Day Air Early AM, 59 - 2nd Day Air A.M., 82 = UPS Today Standard, 83 = UPS Today Dedicated Courier, 84 = UPS Today Intercity, 85 = UPS Today Express, 86 = UPS Today Express Saver.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Description	/ShipmentConfirmRequest/Shipment/Service/Description	No	1	String	1..35	Description of the service code. Examples are Next Day Air, Worldwide Express, and Ground.								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
InvoiceLine Total	/ShipmentConfirmRequest/Shipment/InvoiceLineTotal	Cond	1	Container	N/A	N/A	Required for forward shipments whose origin is the US and destination is Puerto Rico or Canada. Not available for any other shipments. FOR OTHER DESTINATIONS the InvoiceLineTotal in the International Forms Container must be used.							
CurrencyCode	/ShipmentConfirmRequest/Shipment/InvoiceLineTotal /CurrencyCode	No	1	String	3	Invoice Line Total currency type. Defaults to the currency used in the shipper's country.	Refer to Origin Country Information table.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
MonetaryValue	/ShipmentConfirmRequest/Shipment/InvoiceLineTotal/MonetaryValue	Yes	1	String	1..19	Invoice Line Total amount for the entire shipment.	Valid values are from 1 to 99999999							
NumOfPiecesInShipment	/ShipmentConfirmRequest/Shipment/NumOfPiecesInShipment	Cond	1	String	1...5	Total number of pieces in all pallets in a UPS World Wide Express Freight Shipment. It is required for UPS World Wide Express Freight Shipment. Valide values are 1 to 99999								
ShipmentServiceOptions	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions	No	1	Container	N/A	N/A								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
SaturdayDel ivery	/ShipmentConfirmRequest/Shipment/ShipmentServic eOptions/SaturdayDelivery	No	1	String	0	Saturday delivery indicator. The presence indicates Saturday delivery, the absence indicates not Saturday delivery.	Available to all shipment types.							
COD	/ShipmentConfirmRequest/Shipment/ShipmentServic eOptions/COD	No	1	Container	N/A	COD container	Indicates COD is requested. Shipment COD is only available for EU origin countries and for shipper's account type Daily Pickup and Drop Shipping Not available to shipment with return service.	X						

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
CODCode	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/COD/CODCode	Yes	1	String	1	COD type value. 3 = Tagless COD.	Valid values are 3.	X						
CODFundsCode	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/COD/CODFundsCode	No	1	String	1	Value is: 9 = check, cashiers check or money order - no cash allowed		X						
CODAmount	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/COD/CODAmount	Yes	1	Container	N/A	N/A		X						
CurrencyCode	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/COD/CODAmount/CurrencyCode	No	1	String	3	COD amount currency code type. Defaults to the currency used in the destination country.		X						
MonetaryValue	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/COD/CODAmount/MonetaryValue	Yes	1	String	1..8	COD Amount.		X						

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Notification	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/Notification	No	Many (up to 3)	Container	N/A	Container for the Quantum View Notification (QVN) is valid for all shipments including Return service, Import Control and Returns Flexible Access. Valid return service types are: ERL, PRL, PNM, RS1, or RS3.	The shipment level notification is valid for forward and return international shipments, but not valid for domestic shipments (for US and PR). For domestic level shipment, use Notification at Package level.		X					

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Notification Code	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/Notification/NotificationCode	Yes	1	String	1	The type of notification requested. Valid Value: 2 - Return Notification or Label Creation Notification 5 - QV In-transit Notification 6 - QV Ship Notification 7 - QV Exception Notification 8 - QV Delivery Notification Note:QVN Exception notification and return notification are not applicable to GFP.	Return Notification or Label Creation Notification is allowed for return shipments only. QV In-transit Notification is allowed for return shipments only. QV Ship Notification is allowed for forward moving shipments only		X					
EMailMessage	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/Notification/EMailMessage	Yes	1	Container	N/A	Container for the eMail message.			X					

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
EMailAddress	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/Notification/EMailMessage/EMailAddress	Yes	Many (up to 5)	String	1..50	Email address where the notification is sent	Up to five email addresses are allowed in the shipment for all the Quantum View TM notification. Up to two email address for return notification.		X					
UndeliverableEMailAddress	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/Notification/EMailMessage/UndeliverableEMailAddress	No	1	String	1..50	The address where an undeliverable eMail message is sent if the eMail with the notification is undeliverable.	The UndeliverableEMailAddress must occur only once in the shipment		X					

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
FromEMailAddress	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/Notification/EMailMessage/FromEMailAddress	Cond	1	String	1..50	The e-mail address specifies the Reply To E-mail address. The From field of the message header contains pkginfo@ups.com.	Return Notification only.		X					
FromName	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/Notification/EMailMessage/FromName	No	1	String	1..35	The name the email will appear to be from. Defaults to the Shipper Name	The FromName must occur only once in the shipment		X					
Memo	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/Notification/EMailMessage/Memo	No	1	String	1..150	User defined text that will be included in the eMail.	The Memo must occur only once in the shipment		X					
Subject	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/Notification/EMailMessage/Subject	No	1	String	1..50	The email's subject. Defaults to text provided by UPS	Return Notification only.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
SubjectCode	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/Notification/EMailMessage/SubjectCode	No	1	String	2	Specifies a reference code and reference number to display in the subject of the Notification. The valid subject codes are: 01 - Shipment Reference Number 1 02 - Shipment Reference Number 2 03 - package Reference Number 1 04 - package Reference Number 2 08 - Subject Text (Return Notification only) If a subject code is not provided or provided that refers to a nonexistent reference number, the subject will default to shipment Identification Number	For return notification: If the subject code tag is not provided and the subject text is provided, the subject of the notification will be the subject text; If the subject text is provided and the subject code tag exists, then the subject code value must be 08. If Subject code is 08, subject text must exist.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
LabelDelivery	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/LabelDelivery	No	1	Container	N/A	Container for the Label Delivery accessorial	Valid for shipments with a Electronic Return Label Return Service.		X					
EMailMessage	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/LabelDelivery/EMailMessage	No	1	Container	N/A	Container for the eMail message.			X					
EMailAddress	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/LabelDelivery/EMailMessage/EMailAddress	Yes*	1	String	5..50	The destination eMail address for the Label Delivery.			X					
UndeliverableEMailAddress	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/LabelDelivery/EMailMessage/UndeliverableEMailAddress	No	1	String	1..50	The address where an undeliverable eMail message is sent if the Label Delivery email is undeliverable.	Defaults to FromEMailAddress.		X					

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
FromEMailAddress	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/LabelDelivery/EMailMessage/FromEMailAddress	Yes*	1	String	1..50	The e-mail address specifies the Reply To E-mail address. The From field of the message header contains pkginfo@ups.com.			X					
FromName	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/LabelDelivery/EMailMessage/FromName	No	1	String	1..35	The name notification will appear to be from. Defaults to the Shipper Name			X					
Memo	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/LabelDelivery/EMailMessage/Memo	No	1	String	1..150	User defined text that will be included in the eMail.			X					

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Subject	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/LabelDelivery/EMailMessage/Subject	No	1	String	1..50	The email's subject. Defaults to the Label Delivery Notification plus the shipment ID. Defaults to text provided by UPS			X					

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
SubjectCode	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/LabelDelivery/EMailMessage/SubjectCode	No	1	String	2	Specifies a reference code and reference number to display in the subject of the Label Delivery notification. When the subject code is provided, the subject will contain the following: 1.UPS Label Delivery. 2.The reference code (the reference code will be mapped to the corresponding ANSI value) 3.Plus the reference number.	If the subject code tag is not provided and the subject text is provided, the subject of the notification will be the subject text; If the subject text is provided, and the subject code tag exists, then the subject code value must be 08; If Subject code is 08, subject text must exist. If a subject code is provided that refers to a nonexistent reference number, the subject will default to the shipment identification number.		X					

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
LabelLinksIndicator	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/LabelDelivery/LabelLinksIndicator	No	1	String	0	Indicates the Label Recovery and Receipt Recovery URL links are to be returned in the XML Response.			X					
International Forms	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms	No	1	Container	N/A	International Forms information								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
FormType	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/FormType	*Yes	Many (up to 6)	String	2	Indicates the name of the International form requested.	Possible Values are: 01 - Invoice; 02 - SED; 03 - CO; 04 - NAFTA CO; 05 - Partial Invoice; 06 - Packinglist; 07 - Customer Generated Forms. For shipment with return service, 01 or 05 are the only valid value. Note: 01 and 05 are mutually exclusive and 05 is only valid for return shipments only.			Req	Req	Req	Req	Req
UserCreatedForm	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/UserCreatedForm	*Yes	1	Container	N/A	The data container for DocumentID(s).								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
DocumentID	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/UserCreatedForm/DocumentID	Yes	13	String	26	DocumentID represents a document uploaded to Forms History.								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
AdditionalDocumentIndicator	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/AdditionalDocumentIndicator	No	1	Empty	0	Presence of the indicator means user will supply additional document, such as SED, NAFTA_CO or CO.	1. This indicator should be set when the shipper intends to utilize UPS paperless invoice functionality and the shipper has SELF-PREPARED other International Forms (SEC, CO, NAFTACO) to accompany the shipment. It is evaluated only when: - account is paperless enabled - movement requires an invoice - destination country accepts paperless invoice - invoice data is supplied by the client and - data passes validation			Opt	Opt	Opt	Opt	0

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
FormGroupI dName	/ShipmentConfirmRequest/Shipment/ShipmentServic eOptions/InternationalForms/FormGroupIdName	No	1	String	50	Contains description text which identifies the group of International forms. This element does not appear on the forms.				N/A	N/A	N/A	N/A	N/A
SEDFilingO ption	/ShipmentConfirmRequest/Shipment/ShipmentServic eOptions/InternationalForms/SEDFilingOption	Cond	1	String	2	Indicates the SED filing option.	Applicable for SED form and is required. Valid values is:01 - Shipper filing SED			N/A	N/A	N/A	Req	N/A

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Contacts	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts	Cond	1	Container	N/A	Holds the contact information of various parties.	Applicable for SED form and NAFTA CO only. Required for NAFTA CO and Invoice. Ultimate consignee contact information is required for SED. Producer contact information is required for NAFTA O			N/A	N/A	N/A	Req	N/A
ForwardAgent	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/ForwardAgent	No	1	Container	N/A	The forwarding agent is the company or person acting as agent in the trans-shipping of freight to the destination country.	Applicable for SED form only.			N/A	N/A	N/A	Opt	N/A

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
CompanyName	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/ForwardAgent/CompanyName	*Yes	1	String	1..35	Company Name or the Individual name of the Forwarding agent.	Applicable for SED form only.			N/A	N/A	N/A	Cond Req Sec 5a	N/A
TaxIdentificationNumber	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/ForwardAgent/TaxIdentificationNumber	*Yes	1	String	1..15	Tax ID of the Forwarding agent.	Applicable for SED form only.			N/A	N/A	Cond Req Sec 5b	N/A	
Address	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/ForwardAgent/Address	*Yes	1	Container	N/A	Address information of the Forwarding agent.	Applicable for SED form only.			N/A	N/A	N/A	Cond Req Sec 5a	
AddressLine 1	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/ForwardAgent/Address/AddressLine1	*Yes	1	String	1..35	Address line 1 of the Forwarding agent.	Applicable for SED form only.			N/A	N/A	N/A	Cond Req Sec 5a	N/A
AddressLine 2	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/ForwardAgent/Address/AddressLine2	No	1	String	1..35	Address line 2 of the Forwarding agent. Usually Room/Floor information	Applicable for SED form only.			N/A	N/A	N/A	Cond Req Sec 5a	N/A

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
AddressLine 3	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/ForwardAgent/Address/AddressLine3	No	1	String	1..35	Address line 3 of the Forwarding agent. Usually department information	Applicable for SED form only.			N/A	N/A	N/A	Cond Req Sec 5a	N/A
City	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/ForwardAgent/Address/City	*Yes	1	String	1..30	City of the Forwarding agent.	Applicable for SED form only.			N/A	N/A	N/A	Cond Req Sec 5a	N/A
StateProvinceCode	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/ForwardAgent/Address/StateProvinceCode	Cond	1	String	1..5	State of the Forwarding agent.	Applicable for SED form only. Required for certain countries.			N/A	N/A	N/A	Cond Req Sec 5a	N/A
PostalCode	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/ForwardAgent/Address/PostalCode	Cond	1	String	1..9	Postal code of the Forwarding agent.	Applicable for SED form only. Required for certain countries. The length of the postal code depends on the country code.			N/A	N/A	N/A	Cond Req Sec 5a	N/A

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
CountryCode	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/ForwardAgent/Address/CountryCode	*Yes	1	String	2	Country code of the Forwarding agent.	Applicable for SED form only.			N/A	N/A	N/A	Cond Req Sec 5a	N/A
UltimateConsignee	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/UltimateConsignee	Cond	1	Container	N/A	The ultimate consignee is the person or company who receives the goods for end-use or the person or company listed on the export license. This is the end-user of the goods.	Applicable for SED form only. Required when the form requested is SED.			N/A	N/A	N/A	Req Sec 4a	N/A
CompanyName	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/UltimateConsignee/CompanyName	*Yes	1	String	1..35	Company Name or the Individual name of the Ultimate consignee.	Applicable for SED form only.			N/A	N/A	N/A	Req Sec	N/A
Address	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/UltimateConsignee/Address	*Yes	1	Container	N/A	Address information of the Ultimate consignee.	Applicable for SED form only.			N/A	N/A	N/A	Req Sec 4a	N/A

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
AddressLine 1	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/UltimateConsignee/Address/AddressLine1	*Yes	1	String	1..35	Address line 1 of the Ultimate consignee.	Applicable for SED form only.			N/A	N/A	N/A	Req Sec 4a	N/A
AddressLine 2	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/UltimateConsignee/Address/AddressLine2	No	1	String	1..35	Address line 2 of the Ultimate consignee. Usually Room/Floor information	Applicable for SED form only.			N/A	N/A	N/A	Opt Sec 4a	N/A
AddressLine 3	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/UltimateConsignee/Address/AddressLine3	No	1	String	1..35	Address line 3 of the Ultimate consignee. Usually department information	Applicable for SED form only.			N/A	N/A	N/A	Opt Sec 4a	N/A
City	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/UltimateConsignee/Address/City	*Yes	1	String	1..30	City of the Ultimate consignee.	Applicable for SED form only.			N/A	N/A	N/A	Cond Req Sec 4a	N/A
StateProvinceCode	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/UltimateConsignee/Address/StateProvinceCode	Cond	1	String	1..5	State of the Ultimate consignee.	Applicable for SED form only. Required for certain countries			N/A	N/A	N/A	Req Sec 4a	N/A

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
PostalCode	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/UltimateConsignee/Address/PostalCode	Cond	1	String	1..9	Postal code of the Ultimate consignee.	Applicable for SED form only. Required for certain countries. The length of the postal code depends on the country code.			N/A	N/A	N/A	Req Sec 4a	N/A
CountryCode	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/UltimateConsignee/Address/CountryCode	*Yes	1	String	2	Country code of the Ultimate consignee.	Applicable for SED form only.			N/A	N/A	N/A	Req Sec 4a	N/A
Intermediate Consignee	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/IntermediateConsignee	No	1	Container	N/A	The intermediate consignee is the person or company in the importing country that makes final delivery to the ultimate consignee.	Applicable for SED form only.			N/A	N/A	N/A	Opt Sec 4b	N/A

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
CompanyName	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/IntermediateConsignee/CompanyName	*Yes	1	String	1..35	Company Name or the Individual name of the Intermediate consignee.	Applicable for SED form only.			N/A	N/A	N/A	Cond Req Sec 4b	N/A
Address	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/IntermediateConsignee/Address	*Yes	1	Container	N/A	Address information of the Intermediate Consignee.	Applicable for SED form only.			N/A	N/A	N/A	Cond Req Sec 4b	N/A
AddressLine 1	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/IntermediateConsignee/Address/AddressLine1	*Yes	1	String	1..35	Address line 1 of the Intermediate Consignee.	Applicable for SED form only.			A	N/A	N/A	Cond Req Sec 4b	N/A
AddressLine 2	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/IntermediateConsignee/Address/AddressLine2	No	1	String	1..35	Address line 2 of the Intermediate Consignee. Usually Room/Floor information	Applicable for SED form only.			N/A	N/A	N/A	Opt Sec 4b	N/A
AddressLine 3	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/IntermediateConsignee/Address/AddressLine3	No	1	String	1..35	Address line 3 of the Intermediate Consignee. Usually department information	Applicable for SED form only.			N/A	N/A	N/A	Opt Sec 4b	N/A

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
City	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/IntermediateConsignee/Address/City	*Yes	1	String	1..30	City of the Intermediate Consignee.	Applicable for SED form only.			N/A	N/A	N/A	Cond Req Sec 4b	N/A
StateProvinceCode	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/IntermediateConsignee/Address/StateProvinceCode	Cond	1	String	1..5	State of the Intermediate Consignee.	Applicable for SED form only. Required for certain countries.			N/A	N/A	N/A	Cond Req Sec 4b	N/A
PostalCode	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/IntermediateConsignee/Address/PostalCode	Cond	1	String	1..9	Postal code of the Intermediate Consignee.	Applicable for SED form only. Required for certain countries. The length of the postal code depends on the country code.			N/A	N/A	N/A	Cond Req Sec 4b	N/A
CountryCode	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/IntermediateConsignee/Address/CountryCode	*Yes	1	String	2	Country code of the Intermediate Consignee.	Applicable for SED form only.			N/A	N/A	N/A	Cond Req Sec 4b	N/A

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Producer	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/Producer	No		Container		Information of the producer. The NAFTA Certificate of Origin must be completed, signed, and dated by the exporter. When the Certificate is completed by the producer for use by the exporter, it must be completed, signed, and dated by the producer. The date				N/A	N/A	N/A	N/A	N/A

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Option	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/Producer/Option	No		String		The text associated with the code will be printed in the producer section instead of producer contact information. Use attached List if more than one producer's good is included on the Certificate, attach a list of additional producers, including the legal name, address (including country), and legal tax identification number, cross-referenced to the goods described in the Description of Goods field.				N/A	N/A	N/A	N/A	N/A

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
CompanyName	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/Producer/CompanyName	Yes		String	1..35	Company Name or the Individual name of the Producer.	Applies to NAFTA CO|Only applicable when producer option is empty or not present. Conditionally required for: NAFTA CO, when Producer option is not specified.			N/A	N/A	N/A	N/A	N/A
TaxIdentificationNumber	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/Producer/TaxIdentificationNumber	Yes		String	1..15	Tax ID of the Producer.	Applies to NAFTA CO|Only applicable when producer option is empty or not present			N/A	N/A	N/A	N/A	N/A

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Address	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/Producer/Address	No	Container			Address information of the Producer.	Applies to NAFTA CO|Only applicable if producer option is empty or not present. Conditionally required for: NAFTA CO, when Producer option is not specified.			N/A	N/A	N/A	N/A	N/A
AddressLine 1	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/Producer/Address/AddressLine1	Yes		String	1..35	Address line 1 of the Producer.	Applies to NAFTA CO			N/A	N/A	N/A	N/A	N/A
AddressLine 2	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/Producer/Address/AddressLine2	Yes		String	1..35	Address line 2 of the Producer. Usually Room/Floor information	Applies to NAFTA CO			N/A	N/A	N/A	N/A	N/A
AddressLine 3	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/Producer/Address/AddressLine3	Yes		String	1..35	Address line 3 of the Producer. Usually department information	Applies to NAFTA CO			N/A	N/A	N/A	N/A	N/A

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
City	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/Producer/Address/City	Yes		String	1..30	City of the Producer.	Applies to NAFTA CO|Conditionally required for: NAFTA CO, when Producer option is not specified.			N/A	N/A	N/A	N/A	N/A
StateProvinceCode	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/Producer/Address/StateProvinceCode	Yes		String	0..5	State of the Producer.	Applies to NAFTA CO. Required for certain countries			N/A	N/A	N/A	N/A	N/A
PostalCode	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/Producer/Address/PostalCode	Yes		String	1..10	Postal code of the Producer.	Applies to NAFTA CO|Required for certain countries|The length of the postal code depends on the country code.			N/A	N/A	N/A	N/A	N/A
CountryCode	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/Producer/Address/CountryCode	Yes		String	2	Country code of the Producer.	Applies to NAFTA CO			N/A	N/A	N/A	N/A	N/A
AttentionName	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/Producer/AttentionName	No	1	String	1..35	The contact name of the Producer.								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Phone	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/Producer/Phone	No	1	Container		Phone Container								
Number	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/Producer/Phone/Number	Yes	1	String	1..15	Phone Number of the Producer.								
Extension	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/Producer/Phone/Extension	No	1	String		Phone Extension of the Producer.								
EMailAddress	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Contacts/Producer/EMailAddress	No	1	String	5..35	Email address of the Producer.								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Product	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Product	*Yes	Many (up to 50)	Container	N/A	Contains the commodity/ product information	Applies to SED, Invoice, Partial Invoice, CO and NAFTA CO. When any International form is requested Product must be present at least once but no more than 50. Note: For Partial Invoice this container is optional.			Req	Req	Req	Req	Opt
Description	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Product/Description	*Yes	Many (up to 3)	String	1..35	Description of the product.	Applies to all International Forms. Optional for Partial Invoice. Must be present at least once and can occur for a maximum of 3 times			Req	Req	Req	Req	Opt

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Unit	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Product/Unit	Cond	1	Container	N/A	Container tag for the unit's information of each product. (also called as commodity)	Required for Invoice forms and optional for Partial Invoice.			N/A	N/A	N/A	N/A	Opt
Number	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Product/Unit/Number	*Yes	1	String	1..7	Total quantity of each commodity to be shipped, measured in the units specified in the Unit of Measure field	Required for Invoice forms and optional for Partial Invoice. Must be numeric. Valid characters are 0-9.			N/A	N/A	N/A	N/A	Opt

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Value	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Product/Unit/Value	*Yes	1	String	1..19	Monetary amount used to specify the worth or price of the commodity. Amount should be greater than zero	Applies to Invoice and Partial Invoice form. Required for Invoice forms and Partial Invoice forms. Amount should be greater than zero. Valid characters are 0-9 and .(Decimal point). Limit to 6 digits after the decimal. The maximum length of the field is 19 including . and can hold up to 6 decimal places.(#####.######, ######.#####, #######.####, ########.###, #########.##,##########.#,###########)The value of this product and the other products should be such that the invoice line total which is the sum of (number*values) of all products should not exceed 9999999999999999.99			N/A	N/A	N/A	N/A	Opt

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
UnitOfMeas urement	/ShipmentConfirmRequest/Shipment/ShipmentServic eOptions/InternationalForms/Product/Unit/UnitOfMeas urement	*Yes	1	Container	N/A	Container tag for the Unit of measurement for the commodity.	Required for Invoice forms and optional for Partial Invoice.			N/A	N/A	N/A	N/A	Opt

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Code	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Product/Unit/UnitOfMeasurement/Code	*Yes	1	String	1..3	Code for the Unit of measurement of the commodity units.	Applies to Invoice and partial invoice forms and is required. Valid entries are: BA = Barrel, BE = Bundle, BG = Bag, BH = Bunch, BOX = Box, BT = Bolt, BU = Butt, CI = Canister, CM = Centimeter, CON = Container , CR = Crate, CS = Case, CT = Carton, CY = Cylinder, DOZ = Dozen, EA = Each, EN = Envelope, FT = Feet, KG = Kilogram, KGS = Kilograms, LB = Pound, LBS = Pounds, L = Liter, M = Meter, NMB = Number, PA = Packet, PAL = Pallet, PC = Piece, PCS = Pieces, PF = Proof Liters, PKG = Package , PR = Pair, PRS = Pairs, RL = Roll, SET = Set, SME = Square Meters, SYD = Square Yards, TU = Tube, YD = Yard, OTH = Other.			N/A	N/A	N/A	N/A	Opt

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Description	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Product/Unit/UnitOfMeasurement/Description	Cond	1	String	1..3	The Unit of Measure if OTH (Other) is entered as the UnitOfMeasurement code.	Applies to Invoice and Partial Invoice forms. Conditionally Required for the Invoice and Partial Invoice form if OTH is entered as the units UnitOfMeasurement code			N/A	N/A	N/A	N/A	Cond Req Sec 5b

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Commodity Code	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Product/CommodityCode	Cond	1	String	6..15	6-to-15-alphanumeric commodity code. Customs uses this code to determine what duties should be assessed on the commodity.	Applies to Invoice, Partial Invoice and NAFTA CO. Required for NAFTA CO and optional for Partial Invoice. Should be at least 6 alphanumeric. For NAFTA CO: For each good described in Description of Goods field, identify the H.S. tariff classification to six digits. If the good is subject to a specific rule of origin in Annex 401 that requires eight digits, identify to eight digits, using the H.S. tariff classification of the country into whose territory the good is imported.			N/A	N/A	N/A	N/A	Opt

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
PartNumber	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Product/PartNumber	No	1	String	1..10	The part number or reference number for the product contained in the invoice line, as indicated on the customs invoice.	Applies to Invoice and Partial Invoice.			N/A	N/A	N/A	N/A	Opt

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
OriginCountryCode	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Product/OriginCountryCode	Cond	1	String	2	The country in which the good was manufactured, produced, or grown. For detailed information on country of origin, certificate of origin, rules of origin, and any related matters, please refer to the U.S. Customs and Border Protection Web site at www.customs.gov or contact your country's Customs authority.	Applies to Invoice, Partial Invoice, CO and NAFTA CO. Required for Invoice and CO forms. Optional for Partial Invoice. Conditionally required for NAFTA CO if JointProductionIndicator is not present. Do not put in developers guide: For NAFTA CO, identify the name of the country (MX or US for agricultural and textile goods exported to Canada; US or CA for all goods exported to Mexico; or CA or MX for all goods exported to the United States) to which the preferential rate of customs duty applies, as set out in Annex 302.2, in accordance with the Marking Rules or in each party's schedule of tariff elimination. For all other originating goods exported to Canada, indicate appropriately MX or US if the goods originate in that NAFTA country, within the meaning of the NAFTA Rules of Origin Regulations, and any subsequent processing in the other NAFTA country does not increase the transaction value of the goods by more than seven percent; otherwise use the JointProductionIndicator for joint production.			Req	Req	Req	N/A	Opt

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
JointProductionIndicator	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Product/JointProductionIndicator	No	1	EMPTY	N/A	If present, JNT will be used as the origin of country code on the NAFTA form and the Product/OriginCountry Code tag will be ignored.	Applies to NAFTA CO only			N/A	N/A	N/A	N/A	N/A

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
NetCostCode	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Product/NetCostCode	Cond	1	String	2	For each good described in the Description of Goods field, where the good is subject to a regional value content (RVC) requirement, indicate NC if the RVC is calculated according to the net cost method; otherwise, indicate NO.	Applies to NAFTA CO only. Required for NAFTA CO. Possible Values: NCNO			N/A	N/A	N/A	N/A	N/A
NetCostDateRange	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Product/NetCostDateRange	No	1	Container	N/A	Date Range for regional value content (RVC)	Applies to NAFTA CO only.			N/A	N/A	N/A	N/A	N/A

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
BeginDate	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Product/NetCostDateRange/BeginDate	*Yes	1	String	8	If the RVC is calculated over a period of time, it should be identified by the begin date (YYYYMMDD) of that period. (Reference: Articles 402.1, 402.5).	Applies to NAFTA CO only. Format is YYYYMMDD			N/A	N/A	N/A	N/A	N/A
EndDate	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Product/NetCostDateRange/EndDate	*Yes	1	String	8	If the RVC is calculated over a period of time, it should be identified by the End date (YYYYMMDD) of that period. (Reference: Articles 402.1, 402.5).	Applies to NAFTA CO only. Format is YYYYMMDD			N/A	N/A	N/A	N/A	N/A

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
PreferenceCriteria	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Product/PreferenceCriteria	Cond	1	String	1	Indicates the criterion (A through F) for each good described in the Description of Goods field if applicable. The rules of origin are contained in Chapter Four and Annex 401. Additional rules are described in Annex 703.2 (certain agricultural goods), Annex 300-B, Appendix 6 (certain textile goods) and Annex 308.1 (certain automatic data processing goods and their parts).	Applicable for NAFTA CO and is required. Possible Values: ABCDEF. See Table IF1 for description of these values.			N/A	N/A	N/A	N/A	N/A

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
ProducerInfo	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Product/ProducerInfo	Cond	1	String	3 Or 5	Indicate the following: Yes - If shipper is the producer of the good. If not, state 02, 03, and 04 depending on whether this certificate was based upon: No[1] - Knowledge of whether the good qualifies as an originating good. No[2] - Reliance on the producers written representation (other than a Certificate of Origin) that the good qualifies as an originating good. No[3] - A completed and signed Certificate for the good voluntarily provided to the exporter by the producer.	Applicable for NAFTA CO and is required. Possible Values: Yes/No[1] No[2] No[3]			N/A	N/A	N/A	N/A	N/A

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
MarksAndNumbers	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Product/MarksAndNumbers	No	1	String	1..35	Any special marks, codes, and numbers that may appear on package	Applies to CO Only			Opt Sec 2a	Opt Sec 2a	Opt Sec 2a	N/A	N/A
NumberOfPackagesPerCommodity	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Product/NumberOfPackagesPerCommodity	Cond	1	String	1..3	The total number of packages, cartons, or containers for the commodity	Applicable for CO and is required. Should be numeric. Valid characters are 0 -9.			Req Sec 2b	Req Sec 2b	Req Sec 2b	N/A	N/A
ProductWeight	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Product/ProductWeight	Cond	1	Container	N/A	The shipping weight, including containers, for each commodity with a separate Harmonized Tariff Code / Schedule B Number. This weight does not include carrier equipment.	Applies to CO and SED forms only. Required for CO and SED forms.			Req Sec 2c	Req Sec 2c	Req Sec 2c	Req Sec 24	N/A

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
UnitOfMeasurement	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Product/ProductWeight/UnitOfMeasurement	*Yes	1	Container	N/A	Container tag for the Unit of Measurement of weight	Applies to CO and SED forms only			Req Sec 2c	Req Sec 2c	Req Sec 2c	Req Sec 24	N/A
Code	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Product/ProductWeight/UnitOfMeasurement/Code	*Yes	1	String	3	Code for unit of Measurement of weight	Applies to CO and SED forms only. Possible values :KGS / LBS			Req Sec 2c	Req Sec 2c	Req Sec 2c	Req Sec 24	N/A
Description	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Product/ProductWeight/UnitOfMeasurement/Description	Yes	1	String	1..20	Description of the Unit of Measure				Req Sec 2c	Req Sec 2c	Req Sec 2c	Req Sec 24	N/A

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Weight	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Product/ProductWeight/Weight	*Yes	1	String	1..5	Weight	Applies to CO and SED forms only. Valid characters are 0-9 and .(Decimal point). Limit to 1 digit after the decimal. The maximum length of the field is 5 including . and can hold up to 1 decimal place.			Req Sec 2c	Req Sec 2c	Req Sec 2c	Req Sec 24	N/A

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
VehicleID	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Product/VehicleID	No	1	String	1..25	Includes the following information for used self-propelled vehicles as defined in Customs regulations 19 CFR 192.1: The unique Vehicle Identification Number (VIN) in the proper format. Or The Product Identification Number (PIN) for those used self propelled vehicles for which there are no VINs. Or no Vehicle Title Number.	Applies to SED forms only			N/A	N/A	N/A	Opt Sec 25	N/A

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
ScheduleB	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Product/ScheduleB	Cond	1	Container	N/A	Container tag for the schedule B information of a commodity	Applies to SED forms only. Required for SED form			N/A	N/A	N/A	Req Sec 22	N/A
Number	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Product/ScheduleB/Number	*Yes	1	String	10	A unique 10-digit commodity classification code for the item being exported. (To classify a commodity access the following Web page: http://www.census.gov/foreign-trade/schedules/b/#search).	Applies to SED forms only. Has to be 10 characters.			N/A	N/A	N/A	Req Sec 22	N/A

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Quantity	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Product/ScheduleB/Quantity	Cond	1	String	1..10	The count of how many Schedule B units of the current good are in the shipment (SED only).For example, if the Schedule B unit of measure is dozens and eight dozen, is being shipped, indicate 8 in this field.	Applies to SED forms only. Conditionally required for SED forms if ScheduleB UnitOfMeasurement is not X. Should be Numeric. Valid characters are 0 -9.			N/A	N/A	N/A	Cond Req Sec 23	N/A
UnitOfMeasurement	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Product/ScheduleB/UnitOfMeasurement	*Yes	1	Container	N/A	The unit of measure indicated on the Export License.	Applies to SED forms only.			N/A	N/A	N/A	Req Sec 23?	N/A

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Code	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Product/ScheduleB/UnitOfMeasurement/Code	*Yes	1	String	1..3	The unit of measure indicated on the Export License. Enter an X if there is no unit of measure in the Schedule B Unit field.	Applies to SED forms only. Required for the SED form. Possible Values: BBL: Barrels, CAR: Carat, CKG: Content Kilogram, CM2: Square Centimeters, CTN: Content Ton, CUR: Curie, CYK: Clean Yield Kilogram, DOZ: Dozen, DPC: Dozen Pieces, DPR: Dozen Pairs, FBM: Fiber Meter, GCN: Gross Containers, GM: Gram, GRS: Gross, HUN: Hundred, KG: Kilogram, KM3: 1,000 Cubic Meters, KTS: Kilogram Total Sugars, L: Liter, M: Meter, M2: Square Meters, M3: Cubic Meters, MC: Millicurie, NO: Number, PCS: Pieces, PFL: Proof Liter, PK: Pack, PRS: Pairs, RBA: Running Bales, SQ: Square, T: Ton, THS: 1,000, X: No Quantity required.			N/A	N/A	N/A	Req Sec 23?	N/A

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Description	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Product/ScheduleB/UnitOfMeasurement/Description	Yes	1	String	1..20	Description of the Unit of Measure				N/A	N/A	N/A	Req Sec 23?	N/A

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
ExportType	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Product/ExportType	Cond	1	String	1	Code indicating Domestic: Exports that have been produced, manufactured, or grown in the United States or Puerto Rico. This includes imported merchandise which has been enhanced in value or changed from the form in which imported by further manufacture or processing in the United States or Puerto Rico. Foreign: Merchandise that has entered the United States and is being exported again in the same condition as when imported. Foreign Military: Exported merchandise that is sold under the foreign military sales program.	Applies to SED forms only. Required for SED form. Possible Values: D: Domestic F: Foreign M: Foreign Military			N/A	N/A	N/A	Req Sec 21	N/A

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
SEDTotalValue	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Product/SEDTotalValue	Cond	1	String	1..15	The value of the S.E.D. commodity contained on the S.E.D. This amount will always be USD.	Applies to SED forms only. Required for SED form. Valid characters are 0-9 and .(Decimal point). Limit to 2 digit after the decimal. The maximum length of the field is 15 including . and can hold up to 2 decimal places. Note: This value is calculated based on the Product/Unit/Value and /Product/Unit/Number (Number of Units * Price per Unit). If the total value is incorrect it will be replaced by the actual calculated total value.		N/A	N/A	N/A		Req Sec 26	N/A

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
ExcludeFromForm	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Product/ExcludeFromForm	No	1	Container	N/A	Container tag for determining whether or not to exclude product information from a particular form.	If this container is not present we assume that the DEFAULT is selected which is "none" and all products will appear on all forms.							
FormType	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Product/ExcludeFromForm/FormType	Yes	unbound	String	1	Indicates the name of the International form requested to NOT have product information.	Possible Values are 04 – NAFTA CO. Please note that if this is used and you DO NOT have the corresponding form type requested this will be IGNORED.							
PackingListInfo	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Product/PackingListInfo	Yes*	1	Container	N/A									

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
PackageAssociated	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Product/PackingListInfo/PackageAssociated	Yes	unbound	Container	N/A	Data Container holding package/product related information that will break up the product into each package on the packing list	Total product amount must equal the product unit value above.							
PackageNumber	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Product/PackingListInfo/PackageAssociated/PackageNumber	Yes	1	String		Package number the product should be allocated to on the packing list	Must be one of the packages abaove							
ProductAmount	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Product/PackingListInfo/PackageAssociated/ProductAmount	Yes	1	String		Amount of Product associated with a package								
InvoiceNumber	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/InvoiceNumber	No	1	String	1..35	Commercial Invoice number assigned by the exporter	Applies to Invoice and Partial Invoice forms only.			N/A	N/A	N/A	N/A	Opt Sec 3

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
InvoiceDate	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/InvoiceDate	Cond	1	String	8	Date when the Invoice is created. Ideally this is the same as the ship date.	Applies to Invoice and Partial Invoice forms only. Optional for Partial Invoice. Required for Invoice form for forward shipments. For shipment with return service, the user input will be ignored, and the field will be blank on the invoice. Format is YYYYMMDD			N/A	N/A	N/A	N/A	Opt Sec 3
PurchaseOrderNumber	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/PurchaseOrderNumber	No	1	String	1..35	The customers order reference number	Applies to Invoice and Partial Invoice forms			N/A	N/A	N/A	N/A	Opt Sec 3

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
TermsOfShipment	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/TermsOfShipment	No	1	String	3	Indicates the rights to the seller from the buyer	Applies to Invoice and Partial Invoice forms only. Possible values are: CFR: Cost and Freight CIF: Cost, Insurance and Freight CIP: Carriage and Insurance Paid CPT: Carriage Paid To DAF: Delivered at Frontier DDP: Delivery Duty Paid DDU: Delivery Duty Unpaid DEQ: Delivered Ex Quay DES: Delivered Ex Ship EXW: Ex Works FAS: Free Alongside Ship FCA: Free Carrier FOB: Free On Board			N/A	N/A	N/A	N/A	Opt Sec 3
ReasonForExport	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/ReasonForExport	Cond	1	String	1..20	Reason to export the current international shipment. Possible values: SALE, GIFT, SAMPLE, RETURN, REPAIR, INTERCOMPANYDATA, Any other reason	Applies to Invoice and Partial Invoice forms. Required for Invoice and Optional for Partial Invoice. No validation			N/A	N/A	N/A	N/A	O Sec 3

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Comments	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Comments	No	1	String	1-150	Any extra information about the current shipment	Applies to Invoice and Partial Invoice forms only.			N/A	N/A	N/A	N/A	Opt Sec 6

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Declaration Statement	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/DeclarationStatement	No	1	String	1-550	This is the legal explanation, used by Customs, for the delivering of this shipment. It must be identical to the set of declarations actually used by Customs. Examples of declarations that might be entered in this field are: I hereby certify that the goods covered by this shipment qualify as originating goods for purposes of preferential tariff treatment under the NAFTA.I hereby certify that the information on this invoice is true and correct and the contents and value of this shipment is as stated above. EEA statement: The exporter of the products covered by this document declares that except where otherwise clearly indicated these products are of EEA preferential origin.	Applies to Invoice and Partial Invoice forms only. On the invoice for return shipment, the verbiage is as follows (user input is ignored): The exporter of the products covered by this document declares that except where otherwise clearly indicated these products are of EEA preferential origin			N/A	N/A	N/A	N/A	Opt Sec 7

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Discount	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Discount	No	1	Container	N/A	Container tag that holds the discount.	Applies to Invoice and Partial Invoice forms only.			N/A	N/A	N/A	N/A	Opt Sec 8b

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
MonetaryValue	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/Discount/MonetaryValue	*Yes	1	String	15	The discount to be subtracted from the sum of the total value on the invoice.	Applies to Invoice and Partial Invoice forms only. Valid characters are 0-9 and. (Decimal point). Limit to 2 digit after the decimal. The maximum length of the field is 15 including. And can hold up to 2 decimal places. This value should be greater than or equal to zero or less than or equal to the value of all goods listed on the invoice.			N/A	N/A	N/A	N/A	Opt Sec 8b

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
FreightChar ges	/ShipmentConfirmRequest/Shipment/ShipmentServic eOptions/InternationalForms/FreightCharges	No	1	Container	N/A	Container tag that holds the Freight Charges	Applies to Invoice and Partial Invoice forms only.			N/A	N/A	N/A	N/A	O Sec 8d
MonetaryVal ue	/ShipmentConfirmRequest/Shipment/ShipmentServic eOptions/InternationalForms/FreightCharges/Monetar yValue	*Yes	1	String	0-15	Cost to transport the shipment	Applies to Invoice and Partial Invoice forms only. Valid characters are 0-9 and (Decimal point). Limit to 2 digit after the decimal. The maximum length of the field is 15 including. and can hold up to 2 decimal places.			N/A	N/A	N/A	N/A	O Sec 8d
InsuranceC harges	/ShipmentConfirmRequest/Shipment/ShipmentServic eOptions/InternationalForms/InsuranceCharges	No	1	Container	N/A	Container tag that holds the Insurance Charges	Applies to Invoice and Partial Invoice forms only.			N/A	N/A	N/A	N/A	Opt Sec 8e

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
MonetaryValue	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/InsuranceCharges/MonetaryValue	*Yes	1	String	0-15	The amount the shipper or receiver pays to cover the cost of replacing the shipment if it is lost or damaged	Applies to Invoice and Partial Invoice forms only. Valid characters are 0-9 and . (Decimal point). Limit to 2 digit after the decimal. The maximum length of the field is 15 including. And can hold up to 2 decimal places.			N/A	N/A	N/A	N/A	Opt Sec 8e
OtherCharges	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/OtherCharges	No	1	Container	N/A	Container tag that holds the information of amount that covers additional charges not already listed on the invoice	Applies to Invoice and Partial Invoice forms only.			N/A	N/A	N/A	N/A	Opt Sec 8f

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
MonetaryValue	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/OtherCharges/MonetaryValue	*Yes	1	String	0-15	The Monetary value of OtherCharges	Applies to Invoice and Partial Invoice forms only. Valid characters are 0-9 and. (Decimal point). Limit to 2 digit after the decimal. The maximum length of the field is 15 including. and can hold up to 2 decimal places.			N/A	N/A	N/A	N/A	Opt Sec 8f?
Description	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/OtherCharges/Description	*Yes	1	String	10-Jan	Description of what the other charges are for.	Applies to Invoice and Partial Invoice forms only.			N/A	N/A	N/A	N/A	Opt Sec 8f
CurrencyCode	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/CurrencyCode	Cond	1	String	3	Currency code for all the monetary values of the Invoice form	Applies to Invoice and Partial Invoice forms2 only.			N/A	N/A	N/A	N/A	O Sec 8g

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
BlanketPeri od	/ShipmentConfirmRequest/Shipment/ShipmentServic eOptions/InternationalForms/BlanketPeriod	Cond	1	Container	N/A	This field should be entered if the NAFTA Certificate covers multiple shipments of identical goods as described in the Description of Goods field that are imported into a NAFTA country for a specified period of up to one year (the blanket period). The importation of a good for which preferential treatment is claimed based on this certificate must occur between these dates.	Applies to NAFTA CO form only. Required for NAFTA CO. This is not valid for a paperless shipment.		N/A	N/A	N/A	N/A	N/A	N/A

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
BeginDate	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/BlanketPeriod/BeginDate	*Yes	1	String	8	Begin date of the blanket period. It is the date upon which the Certificate becomes applicable to the good covered by the blanket Certificate (it may be prior to the date of signing this Certificate).	Applies to NAFTA CO form only. Required for NAFTA CO. Format is YYYYMMDD. This is not valid for a paperless shipment.			N/A	N/A	N/A	N/A	N/A
EndDate	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/BlanketPeriod/EndDate	*Yes	1	String	8	End Date of the blanket period. It is the date upon which the blanket period expires.	Applies to NAFTA CO form only. Required for NAFTA CO. Format is YYYYMMDD. This is not valid for a paperless shipment.			N/A	N/A	N/A	N/A	N/A

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
ExportDate	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/ExportDate	Cond	1	String	8	The date the goods will be exiting the country	Applies to CO and SED forms only. Required for CO and SED forms. Format is YYYYMMDD			Req Sec 1c	Req Sec 1c	Req Sec 1c	Req Sec 2	N/A
ExportingCarrier	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/ExportingCarrier	Cond	1	String	1..35	The name of the carrier that is exporting the shipment. The vessels flag number should also be entered, if the carrier is a vessel.	Applies to CO and SED forms only. Required for CO and SED forms.			Req Sec 1c	Req Sec 1c	Req Sec 1c	Req Sec 10	N/A

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
CarrierID	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/CarrierID	No	1	String	1..17	The four-character Standard Carrier Alpha Code (SCAC) for vessel, rail, and truck shipments. For air shipment, enter the two or three character International Air Transport Association (IATA) code	Applies to SED forms only. No Validations.			N/A	N/A	N/A	Opt Sec 14	N/A

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
InBondCode	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/InBondCode	Cond	1	String	2	The two-character In Bond Code	Applies to SED forms only. Required for SED forms. Valid values are:70: Not in bond36: Warehouse withdrawal for IE37: Warehouse withdrawal for T and E62: T and E63: IE67: IE from a FTZ68: T and E from a FTZ			N/A	N/A	N/A	Req Sec 18	N/A

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
EntryNumber	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/EntryNumber	Cond	1	String	1..25	The Import Entry Number when the export transaction is used as proof of export for import transactions (examples: In Bond, Temporary Import Bond or Drawbacks)	Applies to SED forms only. Conditionally Required for SED forms when In bond code value is other than 70(Not In Bond)			N/A	N/A	N/A	Cond Req Sec 16	N/A

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
PointOfOrigin	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/PointOfOrigin	Cond	1	String	1..5	Contains one of the following The two-digit U.S. Postal Service abbreviation for the state from which the goods were shipped to the port of export. The state that is the source for the good with the highest value. The state of consolidation. The Foreign Trade Zone number of the zone from where the exports are leaving. If the goods were shipped from Puerto Rico, enter PR.	Applies to SED forms only. Required for SED			N/A	N/A	N/A	Req Sec 6	N/A

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
ModeOfTransport	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/ModeOfTransport	Cond	1	String	1..35	Mode of transport by which the goods are exported. Possible values: Air, AirContainerized, Auto, FixedTransportInstallations, Mail, PassengerHandcarried, Pedestrian, Rail, RailContainerized, RoadOther, SeaBarge, SeaContainerized, SeaNoncontainerized, Truck, TruckContainerized.	Applies to SED forms only. Required for SED. Only allowed values can be entered. Only 10 Characters can appear on the form. Anything greater than 10 characters will be truncated on the form.			N/A	N/A	N/A	Req Sec 9	N/A

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
PortOfExport	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/PortOfExport	No	1	String	1..35	Should be one of the following- Overland: The U.S. Customs port where the carrier crosses the U.S. border. -Vessel and Air: The U.S. Customs port where the goods are loaded on the carrier to be exported from the U.S. -Postal: The U.S. Postal Office from where the goods are mailed	Applies to SED forms only. No validation.			N/A	N/A	N/A	Opt Sec 11	N/A

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
PortOfUnloading	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/PortOfUnloading	No	1	String	1..35	The country and the port where the goods will be unloaded from the exporting carrier. For vessel and air shipments only.	Applies to SED forms only No validation.			N/A	N/A	N/A	Opt Sec 12	N/A
LoadingPier	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/LoadingPier	No	1	String	1..35	Pier where goods are loaded. For vessel shipments only	Applies to SED forms only No validation.			N/A	N/A	N/A	Opt Sec 8	N/A

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
PartiesToTr ansaction	/ShipmentConfirmRequest/Shipment/ShipmentServic eOptions/InternationalForms/PartiesToTransaction	Cond	1	String	1	Information about parties to transaction. Use Related, if the parties to the transaction are related. A related party is an export from a U.S. businessperson or business to a foreign business or from a U.S. business to a foreign person or business where the person has at least 10 percent of the voting shares of the business during the fiscal year. If unincorporated, then an equivalent interest in the business.	Applies to SED forms only Valid values are: R - Related, N - Non-related.		N/A	N/A	N/A		Req Sec 1c	N/A

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
RoutedExportTransactionIndicator	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/RoutedExportTransactionIndicator	No	1	EMPTY	N/A	If Present, indicates that it is a routed export transaction. A routed export transaction is one, where the foreign principal party in interest authorizes a U.S. forwarding (or other) agent to export the merchandise outside the U.S.	Applies to SED forms only			N/A	N/A	N/A	O (R for GUI)Sec 19	N/A
ContainerizedIndicator	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/ContainerizedIndicator	No	1	EMPTY	N/A	If present indicates that the goods are containerized. This applies to vessel shipments only	Applies to SED forms only			N/A	N/A	N/A	Opt Sec 13	N/A

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
License	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/License	Cond	1	Container	N/A	Container for License information. If the product is not licensable, a valid license exception code needs to be entered. If shipping different products that are covered under different licenses or license exceptions, then separate SEDs must be created.	Applies to SED forms only Required for SED forms.			N/A	N/A	N/A	Cond Req Sec 27	N/A

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Number	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/License/Number	Yes	1	String		The license number that authorizes ship product.	Applies to SED forms only|Either License number or License exception code should be present for SED form, both License number and License Exception code cannot be present for SED form.			N/A	N/A	N/A	Cond Req Sec 27	N/A

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Date	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/License/Date	Yes	1	String		License Date	Applies to SED forms only|Conditionally required for SED forms if there is a license number. Only applicable when License Number is provided. Format YYYYMMDD			N/A	N/A	N/A	Cond Req Sec 27	N/A

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
ExceptionC ode	/ShipmentConfirmRequest/Shipment/ShipmentServic eOptions/InternationalForms/License/ExceptionCode	Cond	1	String	1..4	Please refer to Appendix R for values and descriptions.	Applies to SED forms only Either License number or License exception code should be present for SED form, both License number and License Exception code cannot be present for SED form. Validated for possible values			N/A	N/A	N/A	Cond Req Sec 27	N/A

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
ECCNNumber	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/InternationalForms/ECCNNumber	Cond	1	String	8	Export Control Classification Number. This number identifies categories, product groups, strategic level of control, and country groups. Some products have an ECCN number.	Applies to SED forms only ECCN is required one of the following License Exception Codes is entered: CIV CTP ENC KMI LVS			N/A	N/A	N/A	Cond Req Sec 28	N/A
OverridePap	/ShipmentConfirmRequest/Shipment/ShipmentServic	No	1	String										

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
erlessIndicator	eOptions/InternationalForms/OverridePaperlessIndicator					The application will automatically provide a copy of the invoice or NAFTA/CO with each response regardless of whether the user has enabled Paperless account. The user now has the option to print or ignore the copy provided.								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
ReturnOfDocumentIndicator	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/ReturnOfDocumentIndicator	No	1	String	0	Return of Documents Indicator If the flag is present, the shipper has requested the ReturnOfDocument accessorial be added to the shipment	Valid For Poland to Poland shipment without return service.							
DeliveryConfirmation	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/DeliveryConfirmation	No	1	Container	N/A	N/A	For a list of allowed origin/destination pairs please refer to the appendix O.							
DCISType	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/DeliveryConfirmation/DCISType	Yes	1	String	1	Type of delivery confirmation	Valid values are: 1 - Delivery Confirmation Signature Required 2 - Delivery Confirmation Adult Signature Required							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
ImportControlIndicator	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/ImportControlIndicator	No	One	String	0	Indicates that the Shipment is an ImportControl shipment.								
LabelMethod	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/LabelMethod	No	One	Container	N/A	Type of ImportControl Label.	This container is applicable only for ImportControl shipments.							
Code	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/LabelMethod/Code	Yes*	One	String	2	LabelMethod types:'01' = ImportControl Print and Mail'02' = ImportControl One-Attempt'03' = ImportControl Three-Attempt'04' = ImportControl Electronic Label'05' = ImportControl Print Label								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Description	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/LabelMethod/Description	Yes*	One	String	1..35	Label Method description								
CommercialInvoiceRemovalIndicator	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/CommercialInvoiceRemovalIndicator	No	One	String	0	CommercialInvoiceRemovalIndicator allows a shipper to dictate that UPS remove the Commercial Invoice from the user's shipment before the shipment is delivered to the ultimate consignee.								
UPScarbonneutralIndicator	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/UPScarbonneutralIndicator	No	One	String	0	UPS carbon neutral indicator presence at shipment level is required to create carbon neutral Shipments.								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
PreAlertNotification	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/PreAlertNotification	No	unbounded	Container	N/A	This container is used for providing Pre-Alert Notifications to the consignee for UPS Exchange movements and Pack & Collect shipments.								
EMailMessage	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/PreAlertNotification/EMailMessage	No	1	Container	N/A	This container is used for Populating EMailMessage details for PreAlertNotification								
EMailAddress	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/PreAlertNotification/EMailMessage/EMailAddress	Yes	1	String	5..50	EMailAddress where PreAlertNotification is sent.								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Undeliverabl eEMailAddr ess	/ShipmentConfirmRequest/Shipment/ShipmentServic eOptions/PreAlertNotification/EMailMessage/Undelive rableEMailAddress	No	1	String	5..50	This is used for notification when EMailAddress for PreAlertNotification is undeliverable.								
VoiceMessa ge	/ShipmentConfirmRequest/Shipment/ShipmentServic eOptions/PreAlertNotification/VoiceMessage	No	1	Container	N/A	VoiceMessage container is used for specifying phone number for receiving voice preAlertNotification								
PhoneNumb er	/ShipmentConfirmRequest/Shipment/ShipmentServic eOptions/PreAlertNotification/VoiceMessage/PhoneN umber	Yes	1	String	1..15	Phone number for receiving Voice PreAlertNotification.	Valid values are 0 – 9.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
							If the country of the message recipient is US, PR, CA, and VI, the layout is "1, areacode, 7 digit phone number" or "1, areacode, 7 digit phone number, 4 digit extension number".

For other countries, the layout is "countrycode, area code, 7 digit number". | | | | | | | |

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
TextMessage	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/PreAlertNotification/TextMessage	No	1	Container	N/A	TextMessage container is used for specifying phone number for receiving text preAlertNotification								
PhoneNumber	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/PreAlertNotification/TextMessage/PhoneNumber	Yes	1	String	1..15	Phone number for receiving Text PreAlertNotification.	Valid values are 0 – 9. If the country of the message recipient is US, PR, CA, and VI, the layout is "1, areacode, 7 digit phone number" or "1, areacode, 7 digit phone number, 4 digit extension number".							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
							For other countries, the layout is "countrycode, area code, 7 digit number".							
Locale	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/PreAlertNotification/Locale	Yes	1	Container	N/A	This container is used for providing Language and dialect details for PreAlertNotifications.								
Language	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/PreAlertNotification/Locale/Language	Yes	1	String	3	Please refer to Appendix M Valid Language-Dialect combination for PreAlertNotification" for list of valid combinations.								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Dialect	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/PreAlertNotification/Locale/Dialect	Yes	1	String	2	Please refer to Appendix M Valid Language-Dialect combination for PreAlertNotification" for list of valid combinations.								
ExchangeForwardIndicator	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/ExchangeForwardIndicator	No	1	String	0	Exchange forward indicator presence at shipment level is required to create exchange forward Shipments.	In the label routing Instruction text by default will be EXCHANGE-LIKE ITEM ONLY							
HoldForPickupIndicator	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/HoldForPickupIndicator	No	One	String	0	Hold For Pickup indicator. The empty tag means indicator is present.	This accessorial is only valid for UPS Worldwide Express Freight Shipment.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
DropoffAtUPSFacilityIndicator	/ShipmentConfirmRequest/Shipment/ShipmentServiceOptions/DropoffAtUPSFacilityIndicator	No	One	String	0	Drop off At UPS Facility indicator. The empty tag means indicator is present.	This accessorial is only valid for UPS Worldwide Express Freight Shipment.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
LiftGateFor PickUpIndic ator	/ShipmentConfirmRequest/Shipment/ShipmentServic eOptions/LiftGateForPickUpIndicator	No	One	String	0	Lift Gate For Pick Up indicator. The empty tag means indicator is present.	Lift Gate for Pickup is not allowed with Drop Off At UPS Facility for a UPS Worldwide Express Freight shipment.When both Hold for Pickup and Drop Off At Facility are selected, neither of the Lift Gate accessorial are allowed for a UPS Worldwide Express Freight shipment. This accessorial is only valid for UPS Worldwide Express Freight Shipment.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
LiftGateFor DeliveryIndi cator	/ShipmentConfirmRequest/Shipment/ShipmentServic eOptions/LiftGateForDeliveryIndicator	No	One	String	0	Lift Gate For Delivery indicator. The empty tag means indicator is present.	Lift Gate for Delivery is not allowed with Hold For Pickup for a UPS Worldwide Express Freight shipment.When both Hold for Pickup and Drop Off At UPS Facility are selected, neither of the Lift Gate accessorial are allowed for a UPS Worldwide Express Freight shipment. This accessorial is only valid for UPS Worldwide Express Freight Shipment.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Package	/ShipmentConfirmRequest/Shipment/Package	Yes	Many (up to 200)	Container	N/A	Package Information.	For Return Shipments up to and including 20 packages are allowed. US/PR origin return movements are limited to only one package.							
Description	/ShipmentConfirmRequest/Shipment/Package/Description	Cond	1	String	1..35	Merchandise description of package.	Required for shipment with return service							
PackagingType	/ShipmentConfirmRequest/Shipment/Package/PackagingType	No	1	Container	N/A	N/A								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Code	/ShipmentConfirmRequest/Shipment/Package/PackagingType/Code	Yes	1	String	2	Package types. Values are: 01 = UPS Letter, 02 = Customer Supplied Package, 03 = Tube, 04 = PAK, 21 = UPS Express Box, 24 = UPS 25KG Box, 25 = UPS 10KG Box, 30 = Pallet, 2a = Small Express Box, 2b = Medium Express Box, 2c = Large Express Box	Package type 24, or 25 or 30 is only allowed for shipment without return service Packaging type must be valid for all the following: ShipTo country, ShipFrom country, a shipment going from ShipTo country to ShipFrom country, all accessorial at both the shipment and package level, and the shipment service type. UPS will not accept raw wood pallets and please refer the UPS packaging guidelines for pallets on UPS.com.							
Description	/ShipmentConfirmRequest/Shipment/Package/PackagingType/Description	No	1	String	1..35	Description of packaging type. Examples are letter, customer supplied, express box.								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Dimensions	/ShipmentConfirmRequest/Shipment/Package/Dimensions	Cond	1	Container	N/A	Dimensions information container.	Length + 2*(Width + Height) must be less than or equal to 130 IN or 330 CM. Dimensions are required for GB to GB and Poland to Poland Shipments.							
UnitOfMeasurement	/ShipmentConfirmRequest/Shipment/Package/Dimensions/UnitOfMeasurement	Yes	1	Container	N/A	N/A								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Code	/ShipmentConfirmRequest/Shipment/Package/Dimensions/UnitOfMeasurement/Code	Cond	1	String	2	Package dimensions measurement code. Codes are: IN = Inches, CM = Centimeters, 00 = Metric Units Of Measurement, 01 = English Units of Measurement. In Canada-origin shipments no defaulting is performed and a unit of measurement is required. For shipment with return service the unit of measure is defaulted to the shipper's country unit of measure. For all other shipments the unit of measurement will default to the unit of measurement for the origin country	The unit of measurement must be valid for the Shipper country.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Description	/ShipmentConfirmRequest/Shipment/Package/Dimensions/UnitOfMeasurement/Description	No	1	String	1..35	Description of the package dimensions measurement units.								
Length	/ShipmentConfirmRequest/Shipment/Package/Dimensions/Length	Yes	1	String	9	Package length. Length must be the longest dimension of the container.	Valid values are 0 to 108 IN and 0 to 270 CM.							
Width	/ShipmentConfirmRequest/Shipment/Package/Dimensions/Width	Yes	1	String	9	Package width.								
Height	/ShipmentConfirmRequest/Shipment/Package/Dimensions/Height	Yes	1	String	9	Package height.								
PackageWeight	/ShipmentConfirmRequest/Shipment/Package/PackageWeight	Cond	1	Container	N/A	N/A								
UnitOfMeasurement	/ShipmentConfirmRequest/Shipment/Package/PackageWeight/UnitOfMeasurement	Yes*	1	Container	N/A	N/A								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Code	/ShipmentConfirmRequest/Shipment/Package/PackageWeight/UnitOfMeasurement/Code	Cond	1	String	3	Package weight unit of measurement code. Codes are: LBS = Pounds, KGS = Kilograms, 00 = Metric Unit of Measurements, 01 = English Unit of Measurements In Canada-origin shipments no defaulting is performed and a unit of measurement is required. For shipment with return service the unit of measure is defaulted to the shipper's country unit of measure. For all other shipments the unit of measurement will default to the unit of measurement for the origin country	Valid codes are: KGS, LBS, 00 and 01.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Description	/ShipmentConfirmRequest/Shipment/Package/PackageWeight/UnitOfMeasurement/Description	No	1	String	1..35	Description of the package weight measurement units.								
Weight	/ShipmentConfirmRequest/Shipment/Package/PackageWeight/Weight	Yes	1	String	1..5	Packages weight.	Weight Accepted for letters/envelopes							
LargePackageIndicator	/ShipmentConfirmRequest/Shipment/Package/LargePackageIndicator	No	1	String	0	Presence of the indicator mentions that the package is Large Package.								
ReferenceNumber	/ShipmentConfirmRequest/Shipment/Package/ReferenceNumber	No	1	Container	N/A	Package reference number information container								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
BarCodeIndicator	/ShipmentConfirmRequest/Shipment/Package/ReferenceNumber/BarCodeIndicator	No	1	String	0	If the indicator is present then the reference numbers value will be bar coded on the label.	Allowed for shipment with return service only. Only one shipment-level or package-level reference number can be bar coded per shipment. In order to barcode a reference number, its value must be no longer than 14 alphanumeric characters or 24 numeric characters and cannot contain spaces.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Code	/ShipmentConfirmRequest/Shipment/Package/ReferenceNumber/Code	Yes	1	String	2	Reference number type code, for the entire shipment. The code specifies the Reference name.	Valid if the origin/destination pair is US/US or PR/PR.2 character alpha-numeric.							
Value	/ShipmentConfirmRequest/Shipment/Package/ReferenceNumber/Value	Yes	1	String	1..35	Customer supplied reference number.	Valid if the origin/destination pair is US/US or PR/PR. Supports up to 2 customer supplied combinations of Reference code- value combinations.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
AdditionalHandling	/ShipmentConfirmRequest/Shipment/Package/AdditionalHandling	No	1	String	0	Additional Handling Required. The presence indicates additional handling is required, the absence indicates no additional handling is required.								
PackageServiceOptions	/ShipmentConfirmRequest/Shipment/Package/PackageServiceOptions	No	1	Container	N/A	N/A								
DeliveryConfirmation	/ShipmentConfirmRequest/Shipment/Package/PackageServiceOptions/DeliveryConfirmation	No	1	String Container	N/A	N/A	For a list of allowed origin/destinations please refer to Appendix O							
DCISType	/ShipmentConfirmRequest/Shipment/Package/PackageServiceOptions/DeliveryConfirmation/DCISType	Yes	1	String	1	Type of delivery confirmation	Valid values are:							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
							1 - Delivery Confirmation 2 - Delivery Confirmation Signature Required 3 - Delivery Confirmation Adult Signature Required							
DCISNumber	/ShipmentConfirmRequest/Shipment/Package/PackageServiceOptions/DeliveryConfirmation/DCISNumber	No	1	String	1..11	Delivery Confirmation Control number associated with the delivery confirmation for the package								
InsuredValue	/ShipmentConfirmRequest/Shipment/Package/PackageServiceOptions/InsuredValue	No	1	Container	N/A	N/A								
Type	/ShipmentConfirmRequest/Shipment/Package/PackageServiceOptions/InsuredValue/Type	No	1	Container	N/A	Container for Insured Value Type.	N/A							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Code	/ShipmentConfirmRequest/Shipment/Package/PackageServiceOptions/InsuredValue/Type/Code	*Yes	1	String	2	Declared value type. Valid values are 01=EVS; 02=DVS Defaults to 01 i.e. EVS if declared value type is not provided.	The user cannot specify different type of declared value at package level for entire shipment. You can either have shipper declared value (DVS) or declared value (EVS) but not both at package level. Note: The Shipper DeclaredValue is applicable for forward shipments when the billing option is freight collect or third party							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Description	/ShipmentConfirmRequest/Shipment/Package/PackageServiceOptions/InsuredValue/Type/Description	No	1	String	1..35	Declared value Description	N/A							
CurrencyCode	/ShipmentConfirmRequest/Shipment/Package/PackageServiceOptions/InsuredValue/CurrencyCode	No	1	String	3	Declared value amount currency type. Defaults to the currency used in the shipper's country.	Code must represent a currency that is a valid for Shipper country.							
MonetaryValue	/ShipmentConfirmRequest/Shipment/Package/PackageServiceOptions/InsuredValue/MonetaryValue	No	1	String	1..19	Declared value amount.								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
COD	/ShipmentConfirmRequest/Shipment/Package/PackageServiceOptions/COD	No	1	Container	N/A	COD container	Indicates COD is requested. package level COD is available for shipment without return service from US/PR to US/PR, CA to CA, and CA to US.CA to US COD is not allowed for package Letter/ Envelope. COD is not valid for return service movements.							
CODCode	/ShipmentConfirmRequest/Shipment/Package/PackageServiceOptions/COD/CODCode	Yes	1	String	1	COD type value. 3 = Tagless COD.	Valid value is 3.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
CODFunds Code	/ShipmentConfirmRequest/Shipment/Package/PackageServiceOptions/COD/CODFundsCode	Yes	1	String	1	Values are 0 = check, cashier's check or money order - no cash allowed, 8 = cashier's check or money order - no cash allowed.								
CODAmount	/ShipmentConfirmRequest/Shipment/Package/PackageServiceOptions/COD/CODAmount	Yes*	1	Container	N/A	N/A								
CurrencyCode	/ShipmentConfirmRequest/Shipment/Package/PackageServiceOptions/COD/CODAmount/CurrencyCode	No	1	String	3	COD amount currency code type. Defaults to the currency used in the destination country.								
MonetaryValue	/ShipmentConfirmRequest/Shipment/Package/PackageServiceOptions/COD/CODAmount/MonetaryValue	Yes	1	String	1..8	COD Amount.	Valid values: 0.01 USD - 50000.00 USD							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
VerbalConfir mation	/ShipmentConfirmRequest/Shipment/Package/Packag eServiceOptions/VerbalConfirmation	No	1	Container	N/A	Verbal Confirmation Info.	Allowed for shipment without return service.							
ContactInfo	/ShipmentConfirmRequest/Shipment/Package/Packag eServiceOptions/VerbalConfirmation/ContactInfo	Cond	1	Container	N/A	Optional if the Shipper's AttentionName, PhoneNumber, and PhoneExtension(option al) are given and are the desired name, phone number and extension, respectively, to be used for verbal confirmation.								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Name	/ShipmentConfirmRequest/Shipment/Package/PackageServiceOptions/VerbalConfirmation/ContactInfo/Name	Cond	1	String	1..35	Name of the person to be contacted for confirmation. Defaults to Shipper AttentionName if given.	Optional if Shipper/ AttentionName is given and that is the name of the person to be contacted else required for verbal confirmation.							
PhoneNumber	/ShipmentConfirmRequest/Shipment/Package/PackageServiceOptions/VerbalConfirmation/ContactInfo/PhoneNumber	Cond	1	String	1..15	Phone number UPS uses to reach the person to give the confirmation. Defaults to Shipper PhoneNumber if given.	Optional if Shipper/PhoneNumber is given and that is the name of the person to be contacted else required for verbal confirmation. If phone number is in the US 10 digits allowed, otherwise 1.15 digits allowed.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
ShipperReleaseIndicator	/ShipmentConfirmRequest/Shipment/Package/PackageServiceOptions/ShipperReleaseIndicator	No	1	String	0	The presence indicates that the package may be released by driver without a signature from the consignee	Only available for US50/PR to US50/PR packages without return service.							
Notification	/ShipmentConfirmRequest/Shipment/Package/PackageServiceOptions/Notification	No	1	Container	N/A	Receiver Return Notification	Applicable for Shipment with returned service. US and PR shipments should use the Package level notification							
Notification Code	/ShipmentConfirmRequest/Shipment/Package/PackageServiceOptions/Notification/NotificationCode	Yes*	1	String	1	Notification Code	3 - Receiver Return Notification							
EMailMessage	/ShipmentConfirmRequest/Shipment/Package/PackageServiceOptions/Notification/EMailMessage	Yes*	1	Container	N/A	Container for the e-mail Message.								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
EMailAddress	/ShipmentConfirmRequest/Shipment/Package/PackageServiceOptions/Notification/EMailMessage/EMailAddress	Yes*	Many (up to 2)	String	1..50	The destination eMail address of the receiver returns notification eMail.	The shipment can have up to two receivers return notification email address for the whole shipment.							
UndeliverableEMailAddress	/ShipmentConfirmRequest/Shipment/Package/PackageServiceOptions/Notification/EMailMessage/UndeliverableEMailAddress	No	1	String	1..50	The e-mail address where an undeliverable eMail message is sent if the Receiver Return Notification email is undeliverable.	Defaults to FromEMailAddress. Only allowed at the first package.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
FromEMailAddress	/ShipmentConfirmRequest/Shipment/Package/PackageServiceOptions/Notification/EMailMessage/FromEMailAddress	Yes	1	String	1..50	The email address listed in the Reply To field of the message header, includes name and e-mail address of sender. The From field of the message header contains pkginfo@ups.com.	Only allowed at the first package.							
FromName	/ShipmentConfirmRequest/Shipment/Package/PackageServiceOptions/Notification/EMailMessage/FromName	No	1	String	1..35	The name the receiver return notification will appear to be from.	Defaults to the ShipperName. Only allowed at the first package.							
Memo	/ShipmentConfirmRequest/Shipment/Package/PackageServiceOptions/Notification/EMailMessage/Memo	No	1	String	1..150	User defined text that will be included in the eMail.	Only allowed at the first package.							
Subject	/ShipmentConfirmRequest/Shipment/Package/PackageServiceOptions/Notification/EMailMessage/Subject	No	1	String	1..50	Email subject/description								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
SubjectCode	/ShipmentConfirmRequest/Shipment/Package/PackageServiceOptions/Notification/EMailMessage/SubjectCode	No	1	String	2	Specifies a reference code and reference number to display in the subject of the Notification. The valid subject codes are: 01 - Shipment Reference Number 1 02 - Shipment Reference Number 2 03 - package Reference Number 1 04 - package Reference Number 2 08 - Subject Text (Return Notification only) If a subject code is not provided or provided that refers to a nonexistent reference number, the subject will default to shipment Identification Number								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
ReturnsFlexibleAccessIndicator	/ShipmentConfirmRequest/Shipment/Package/PackageServiceOptions/ReturnsFlexibleAccessIndicator	No	1	String	0	Returns Flexible Access Indicator presence at package level is required for UPS Returns Flexible Access Shipments. All packages in the shipment must have the Returns Flexible Access Indicator if one package has it.			X					
DryIce	/ShipmentConfirmRequest/Shipment/Package/PackageServiceOptions/DryIce	No	1	Container	N/A	Maximum of 1 per package.	Cannot be used when the package also contains Hazmat	X						

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
RegulationSet	/ShipmentConfirmRequest/Shipment/Package/PackageServiceOptions/DryIce/RegulationSet	Yes	1	String	3..4	The Regulatory set associated with every regulated shipment. Valid values are:|"CFR" = Regulated by US Dept of Transportation within the U.S. or ground shipments to Canada|"IATA" = Worldwide Air movement	The following values are valid: IATA,CFR	X						
DryIceWeight	/ShipmentConfirmRequest/Shipment/Package/PackageServiceOptions/DryIce/DryIceWeight	Yes	1	Container	N/A			X						
UnitOfMeasurement	/ShipmentConfirmRequest/Shipment/Package/PackageServiceOptions/DryIce/DryIceWeight/UnitOfMeasurement	Yes	1	Container	N/A			X						

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Code	/ShipmentConfirmRequest/Shipment/Package/PackageServiceOptions/DryIce/DryIceWeight/UnitOfMeasurement/Code	Yes	1	String	2..3	DryIce weight unit of measurement code. Codes are: |'00'= KG, Metric Unit of Measurements |'01'= LB, English Unit of Measurements|'KG' = KG, Metric Unit of Measurements|'LB' = LB, English Unit of Measurements|'KGS'= KG, Metric Unit of Measurements|'LBS' = LB, English Unit of Measurements	The following values are valid: 00 , 01, KG , KGS , LBS	X						
Description	/ShipmentConfirmRequest/Shipment/Package/PackageServiceOptions/DryIce/DryIceWeight/UnitOfMeasurement/Description	No	1	String	0..20	Short description for UnitOfMeasurement		X						

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Weight	/ShipmentConfirmRequest/Shipment/Package/PackageServiceOptions/DryIce/DryIceWeight/Weight	Yes	1	String	1..5	The weight in the UnitOf Measurments.|Valid characters are 0-9 and "."(Decimal point). Limit to 1 digit after the decimal. The maximum length of the field is 5 including '.' and can hold up to 1 decimal place.	Cannot be more than package weight. Should be more than 0.0. Valid characters are 0-9 and. (Decimal point). Limit to 1 digit after the decimal. The maximum length of the field is 5 including. And can hold up to 1 decimal place.	X						

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
MedicalUseIndicator	/ShipmentConfirmRequest/Shipment/Package/PackageServiceOptions/DryIce/MedicalUseIndicator	No	1	String	0	The presence of the tag implies Medical use. Any value within the tag is ignored and not interpreted. ||The absence of the tag implies non medical use. ||MedicalUseInd is valid for CFR regulation set only and ignored for IATA, if present.		X						

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
LabelSpecification	/ShipmentConfirmRequest/LabelSpecification	Cond	1	Container	N/A	Container used to define the properties required by the user to print and/or display the UPS shipping label.	Required for shipment without return service, or shipment with PRL return service							
LabelPrintMethod	/ShipmentConfirmRequest/LabelSpecification/LabelPrintMethod	Yes	1	Container	N/A	The device used to print a label image.								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Code	/ShipmentConfirmRequest/LabelSpecification/LabelPrintMethod/Code	Yes	1	String	3	Label print method code that the labels are to be generated for EPL2 formatted labels use EPL, for SPL formatted labels use SPL, for ZPL formatted labels use ZPL, for STAR printer formatted labels use STARPL and for image formats use GIF.	For shipments without return service the valid value is GIF, EPL, ZPL, STARPL and SPL. For shipments with PRL return service, the valid values are EPL, ZPL, STARPL, SPL and GIF.							
Description	/ShipmentConfirmRequest/LabelSpecification/LabelPrintMethod/Description	No	1	String	1..35	Label Specification Code description								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
HTTPUserAgent	/ShipmentConfirmRequest/LabelSpecification/HTTPUserAgent	Cond	1	String	1..64	Browser HTTPUserAgent String. This is the preferred way of identifying GIF image type to be generated	Required if ShipmentConfirmRequest/LabelSpecification/LabelPrintMethod/Code = GIF. Default to Mozilla/4.5 if this field is missing or has invalid value.							
LabelStockSize	/ShipmentConfirmRequest/LabelSpecification/LabelStockSize	Cond	1	Container	N/A	Container for the EPL2, ZPL, STARPL or SPL label size	For EPL2, ZPL, STARPL and SPL labels.							
Height	/ShipmentConfirmRequest/LabelSpecification/LabelStockSize/Height	Yes*	1	String	1..3	Height of the label image. For IN, use whole inches.	For EPL2, ZPL, STARPL and SPL labels. Only valid values are 6 or 8. Note: Label Image will only scale up to 4 X 6, even when requesting 4 X 8.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Width	/ShipmentConfirmRequest/LabelSpecification/LabelStockSize/Width	Yes*	1	String	1..3	Width of the label image. For IN, use whole inches.	For EPL2, ZPL, STARPL and SPL labels. Valid value is 4. Note: Label Image will only scale up to 4 X 6, even when requesting 4 X 8.							
LabelImage Format	/ShipmentConfirmRequest/LabelSpecification/LabelImageFormat	Yes	1	Container	N/A									
Code	/ShipmentConfirmRequest/LabelSpecification/LabelImageFormat/Code	Cond	1	String	3	Code type that the label image is to be generated in.	Required if ShipmentConfirmRequest/LabelSpecification/LabelPrintMethod/Code = GIF. Valid values are GIF or PNG. Only GIF is supported on the remote server.							

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
Description	/ShipmentConfirmRequest/LabelSpecification/LabelImageFormat/Description	No	1	String	1..35	Description of the label image format code.								
Instruction	/ShipmentConfirmRequest/LabelSpecification/Instruction	No	unbounded	Container	N/A	Routing Instruction Container								
Code	/ShipmentConfirmRequest/LabelSpecification/Instruction/Code	Yes	1	String	2	For Exchange Forward Shipment, by default Label will have Exchange Routing instruction Text as EXCHANGE-LIKE ITEM ONLY. |If code value is :|01-EXCHANGE-LIKE ITEM ONLY. |02-EXCHANGE-DRIVER INSTRUCTIONS INSIDE								
Description	/ShipmentConfirmRequest/LabelSpecification/Instruction/Description	No	1	String	1..35	Description of the label Instruction code.								

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules	Shipment Only	Return Only	CO	Nafta CO	Invoice	EEI	Partial IV
ReceiptSpe cification	/ShipmentConfirmRequest/ReceiptSpecification	No	1	Container	N/A	Container used to allow the user to choose to print a thermal receipt.								
ImageForm at	/ShipmentConfirmRequest/ReceiptSpecification/Imag eFormat	Yes	1	Container	N/A	ImageFormat Container								
Code	/ShipmentConfirmRequest/ReceiptSpecification/Imag eFormat/Code	Yes	1	String		Print code that determines the receipt format.								
Description	/ShipmentConfirmRequest/ReceiptSpecification/Imag eFormat/Description	No	1	String		Description of the receipt format code.								

1.8.4 Shipment Confirm Response

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
ShipmentConfirmResponse	/ShipmentConfirmResponse	Cond	One	Container	N/A	N/A	
Response	/ShipmentConfirmResponse/Response	Yes	One	Container	N/A	ShipConfirm response	
TransactionReference	/ShipmentConfirmResponse/Response/TransactionReference	Yes	One	Container	N/A	TransactionReference identifies transactions between client and server.	
CustomerContext	/ShipmentConfirmResponse/Response/TransactionReference/CustomerContext	No	One	String	1..512	The client uses CustomerContext to synchronize request/response pairs. The client establishes CustomerContext, which can contain any information you want, as along as it is valid XML; it is echoed back by the server.	
ResponseStatusCode	/ShipmentConfirmResponse/Response/ResponseStatusCode	Yes	One	String	1	Identifies the success or failure of the transaction. 1 = Successful; 0 = Failure	
ResponseStatusDescription	/ShipmentConfirmResponse/Response/ResponseStatusDescription	Yes	One	String	1	Describes Response Status Code. Returns text of Success or Failure	

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
Error	/ShipmentConfirmResponse/Response/Error	Yes	One	Container	N/A	If an error is encountered during the interchange, the Response contains an error. If the error is present, then the ErrorSeverity and ErrorCode are required.	
ErrorSeverity	/ShipmentConfirmResponse/Response/Error/ErrorSeverity	Yes	One	String	1..20	Describes the severity of the error. Transient Error - Customers data has not been processed due to system unavailability. The customer has to wait and try again. Hard Error - The error was encountered processing the customer's data and that the data needs correction. Warning - The customer's data was successfully processed; however, there were warnings encountered during processing.	
ErrorCode	/ShipmentConfirmResponse/Response/Error/ErrorCode	Yes	One	String	1..15	A numeric value that describes the error. Each API defines a range of error codes.	
ErrorDescription	/ShipmentConfirmResponse/Response/Error/ErrorDescription	Yes	One	String	1..50	Describes the error code.	
MinimumRetrySeconds	/ShipmentConfirmResponse/Response/Error/MinimumRetrySeconds	Yes	One	String	1..5	Number of seconds to wait until retry. This field is populated on special conditions of the Transient Error only, as defined by the service. A number between 1 and 86400 (24 hours)	
ErrorLocation	/ShipmentConfirmResponse/Response/Error/ErrorLocation	Yes	One	Container	N/A	Identifies the element in error.	

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
ErrorLocationElementName	/ShipmentConfirmResponse/Response/Error/ErrorLocation/ErrorLocationElementName	Yes	One	String	1..512	The XPATH name of the element in error. This is a valid XPATH pointing to an element in the request document.	
ErrorLocationAttributeName	/ShipmentConfirmResponse/Response/Error/ErrorLocation/ErrorLocationAttributeName	Yes	One	String	1..50	The name of the attribute in error. This is the name of the attribute contained by the Error Location Element.	
ErrorDigest	/ShipmentConfirmResponse/Response/Error/ErrorDigest	Yes	One	String	Bound by the size of the Request data.	The contents of the element in error.	
ShipmentCharges	/ShipmentConfirmResponse/ShipmentCharges	Cond	One	Container	N/A	Shipment charges info. Shipment charges are only guaranteed to be returned for shipments whose origin country is US or Puerto Rico.	

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
RateChart	/ShipmentConfirmResponse/ShipmentCharges/RateChart	Cond	One	String	1	Rate Type With which Shipment is rated. Possible RateChart values for different regions will be: US 48 origin: 1 – Daily Rates, 3 – Standard List Rates, 4 – Retail Rates Alaska/Hawaii origin: 1 – Daily Rates, 3 – Daily Rates, 4 – Retail Rates All Other origins: 1 – Rates 3 and 4 do not apply	
TransportationCharges	/ShipmentConfirmResponse/ShipmentCharges/TransportationCharges	Yes	One	Container	N/A	N/A	
CurrencyCode	/ShipmentConfirmResponse/ShipmentCharges/TransportationCharges/CurrencyCode	Yes	One	String	3	Transportation charges currency code type. The currency code used in the ShipmentConfirmRequest is returned.	
MonetaryValue	/ShipmentConfirmResponse/ShipmentCharges/TransportationCharges/MonetaryValue	Yes	One	String	1..19	Transportation and surcharges value amount.	Valid values are from 0 to 99999999999999.99
ServiceOptionsCharges	/ShipmentConfirmResponse/ShipmentCharges/ServiceOptionsCharges	Yes	One	Container	N/A	N/A	

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
CurrencyCode	/ShipmentConfirmResponse/ShipmentCharges/ServiceOptionsCharges/CurrencyCode	Yes	One	String	3	Service options charges currency code type. The currency code used in the ShipmentConfirmRequest is returned.	
MonetaryValue	/ShipmentConfirmResponse/ShipmentCharges/ServiceOptionsCharges/MonetaryValue	Yes	One	String	1..19	Service options charges value amount	Valid values are from 0 to 99999999999999.99
TotalCharges	/ShipmentConfirmResponse/ShipmentCharges/TotalCharges	Yes one	One	Container	N/A	N/A	
CurrencyCode	/ShipmentConfirmResponse/ShipmentCharges/TotalCharges/CurrencyCode	Yes	One	String	3	Total charges currency code type. The currency code used in the ShipmentConfirmRequest is returned.	
MonetaryValue	/ShipmentConfirmResponse/ShipmentCharges/TotalCharges/MonetaryValue	Yes	One	String	1..19	Total charges value amount.	Valid values are from 0 to 99999999999999.99
BillingWeight	/ShipmentConfirmResponse/BillingWeight	Yes	One	Container	N/A	N/A	
UnitOfMeasurement	/ShipmentConfirmResponse/BillingWeight/UnitOfMeasurement	Yes	One	Container	N/A	N/A	

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
Code	/ShipmentConfirmResponse/BillingWeight/UnitOfMeasurement/Code	Yes	One	String	2..3	Billing Weight unit of measurement code. The unit of measurement used in Shipment Confirm Request is returned.	
Description	/ShipmentConfirmResponse/BillingWeight/UnitOfMeasurement/Description	No	One	String	3	Description of the billing weight measurement units. Valid values are: KGS or LBS	
Weight	/ShipmentConfirmResponse/BillingWeight/Weight	Yes	One	String	8	Billing weight. Higher of the actual shipment weight versus the shipment dimensional weight.	Valid value up to 99999.99
ShipmentIdentificationNumber	/ShipmentConfirmResponse/ShipmentIdentificationNumber	Yes	One	String	18	Returned UPS shipment ID number.	1Z Number of the first package in the shipment.
ShipmentDigest	/ShipmentConfirmResponse/ShipmentDigest	Yes	One	Encoded	Variable length	Encoded shipment parameters required to be passed in the accept phase.	
NegotiatedRates	/ShipmentConfirmResponse/NegotiatedRates	No	One	Container	N/A	N/A	
NetSummaryCharges	/ShipmentConfirmResponse/NegotiatedRates/NetSummaryCharges	Cond	One	Container	N/A	Negotiated Rates info. Net Summary Charges are only returned for shipper account/UserId combinations qualified for Negotiated rates.	

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
GrandTotal	/ShipmentConfirmResponse/NegotiatedRates/NetSummaryCharges/GrandTotal	Cond	One	Container	N/A	N/A	
CurrencyCode	/ShipmentConfirmResponse/NegotiatedRates/NetSummaryCharges/GrandTotal/CurrencyCode	Yes	One	String	3	Net Summary charges currency code type.	
MonetaryValue	/ShipmentConfirmResponse/NegotiatedRates/NetSummaryCharges/GrandTotal/MonetaryValue	Yes	One	String	1..19	Net Summary charges monetary value.	Valid values are from 0 to 9999999999999999.99

1.8.5 Shipment Accept Request

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
ShipmentAcceptRequest	/ShipmentAcceptRequest	Yes	One	Container	N/A	N/A	
Request	/ShipmentAcceptRequest/Request	Yes	One	Container	N/A	ShipAccept request	
RequestAction	/ShipmentAcceptRequest/Request/RequestAction	Yes	One	String	10	Indicates the action to be taken by the XML service.	Must be ShipAccept.
TransactionReference	/ShipmentAcceptRequest/Request/TransactionReference	No	One	Container	N/A	TransactionReference identifies transactions between client and server.	
CustomerContext	/ShipmentAcceptRequest/Request/TransactionReference/CustomerContext	No	One	String	1..50	Customer context	
ShipmentDigest	/ShipmentAcceptRequest/ShipmentDigest	Yes	One	String	unbounded	Encoded shipment parameters required to be passed in the accept phase.	

1.8.6 Shipment Accept Response

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
ShipmentAcceptResponse	/ShipmentAcceptResponse	Yes	One	Container	N/A	N/A	
Response	/ShipmentAcceptResponse/Response	Yes	One	Container	N/A	ShipAccept response	
TransactionReference	/ShipmentAcceptResponse/Response/TransactionReference	Yes	One	Container	N/A	N/A	
CustomerContext	/ShipmentAcceptResponse/Response/TransactionReference/ CustomerContext	No	One	String	1..512	The client uses CustomerContext to synchronize request/response pairs. The client establishes CustomerContext, which can contain any information you want, as along as it is valid XML; it is echoed back by the server.	
ResponseStatusCode	/ShipmentAcceptResponse/Response/ResponseStatusCode	Yes	One	String	1	Identifies the success or failure of the transaction. 1 = Successful; 0 = Failure	

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
ResponseStatusDescription	/ShipmentAcceptResponse/Response/ResponseStatusDescription	Yes	One	String	1..10	Describes Response Status Code. Returns text of Success or Failure	
Error	/ShipmentAcceptResponse/Response/Error	Yes	One	Container	N/A	If an error is encountered during the interchange, the Response contains an error. If the error is present, then the ErrorSeverity and ErrorCode are required.	
ErrorSeverity	/ShipmentAcceptResponse/Response/Error/ErrorSeverity	Yes	One	String	1..15	Describes the severity of the error. Transient Error - Customers data has not been processed due to system unavailability. The customer has to wait and try again. Hard Error - The error was encountered processing the customer's data and that the data needs correction. Warning - The customer's data was successfully processed; however, there were warnings encountered during processing.	
ErrorCode	/ShipmentAcceptResponse/Response/Error/ErrorCode	Yes	One	String	1..15	A numeric value that describes the error. Each API defines a range of error codes.	
ErrorDescription	/ShipmentAcceptResponse/Response/Error/ErrorDescription	Yes	One	String	1..50	Describes the error code.	
MinimumRetrySeconds	/ShipmentAcceptResponse/Response/Error/MinimumRetrySeconds	Yes	One	String	1..5	Number of seconds to wait until retry. This field is populated on special conditions of the Transient Error only, as defined by the service. A number between 1 and 86400 (24 hours)	

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
ErrorLocation	/ShipmentAcceptResponse/Response/Error/ErrorLocation	Yes	One	Container	N/A	Identifies the element in error.	
ErrorLocationElementName	/ShipmentAcceptResponse/Response/Error/ErrorLocation/ErrorLocationElementName	Yes	One	String	1..50	The XPATH name of the element in error. This is a valid XPATH pointing to an element in the request document.	
ErrorLocationAttributeName	/ShipmentAcceptResponse/Response/Error/ErrorLocation/ErrorLocationAttributeName	Yes	One	String	1..50	The name of the attribute in error. This is the name of the attribute contained by the Error Location Element.	
ErrorDigest	/ShipmentAcceptResponse/Response/Error/ErrorDigest	Yes	One	String	size of the Request data.	The contents of the element in error.	
ShipmentResults	/ShipmentAcceptResponse/ShipmentResults	Yes	One	Container	N/A	N/A	
ShipmentCharges	/ShipmentAcceptResponse/ShipmentResults/ShipmentCharges	Cond	One	Container	N/A	Shipment charges info. Shipment charges are only guaranteed to be returned for shipments whose origin country is US or Puerto Rico.	

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
RateChart	/ShipmentAcceptResponse/ShipmentResults/ShipmentCharges/RateChart	Cond	1	String	1	Rate Type With which Shipment is rated. Possible RateChart values for different regions will be: US 48 origin: 1 – Daily Rates, 3 – Standard List Rates, 4 – Retail Rates Alaska/Hawaii origin: 1 – Daily Rates, 3 – Daily Rates, 4 – Retail Rates All Other origins: 1 – Rates 3 and 4 do not apply	
TransportationCharges	/ShipmentAcceptResponse/ShipmentResults/ShipmentCharges/TransportationCharges	Yes	One	Container	N/A	N/A	
CurrencyCode	/ShipmentAcceptResponse/ShipmentResults/ShipmentCharges/TransportationCharges/CurrencyCode	Yes	One	String	3	Transportation charges currency code type. The currency code used in the ShipmentConfirmRequest is returned.	
MonetaryValue	/ShipmentAcceptResponse/ShipmentResults/ShipmentCharges/TransportationCharges/MonetaryValue	Yes	One	String	1..19	Transportation and surcharges value amount.	Valid values are from 0 to 99999999999999.99
ServiceOptionsCharges	/ShipmentAcceptResponse/ShipmentResults/ShipmentCharges/ServiceOptionsCharges	Yes	One	Container	N/A	N/A	

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
CurrencyCode	/ShipmentAcceptResponse/ShipmentResults/ShipmentCharges/ServiceOptionsCharges/CurrencyCode	Yes	One	String	3	Accessorial charges currency code type. The currency code used in the ShipmentConfirmRequest is returned.	
MonetaryValue	/ShipmentAcceptResponse/ShipmentResults/ShipmentCharges/ServiceOptionsCharges/MonetaryValue	Yes	One	String	1..19	Accessorial charges value amount.	Valid values are from 0 to 99999999999999.99
TotalCharges	/ShipmentAcceptResponse/ShipmentResults/ShipmentCharges/TotalCharges	Yes	One	Container	N/A	N/A	
CurrencyCode	/ShipmentAcceptResponse/ShipmentResults/ShipmentCharges/TotalCharges/CurrencyCode	Yes	One	String	3	Total charges currency code type. The currency code used in the ShipmentConfirmRequest is returned.	
MonetaryValue	/ShipmentAcceptResponse/ShipmentResults/ShipmentCharges/TotalCharges/MonetaryValue	Yes	One	String	1..19	Total charges value amount.	Valid values are from 0 to 99999999999999.99
NegotiatedRates	/ShipmentAcceptResponse/ShipmentResults/NegotiatedRates	Cond	One	Container	N/A	N/A	
NetSummaryCharges	/ShipmentAcceptResponse/ShipmentResults/NegotiatedRates/NetSummaryCharges	Cond	One	Container	N/A	Account Based Rates info. Net Summary Charges are only returned for ABR eligible shipper account/UserId combinations when the user includes the NegotiatedRates indicator in the ShipConfirm request.	

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
GrandTotal	/ShipmentAcceptResponse/ShipmentResults/NegotiatedRates/NetSummaryCharges/GrandTotal	Yes	One	Container	N/A	N/A	
CurrencyCode	/ShipmentAcceptResponse/ShipmentResults/NegotiatedRates/NetSummaryCharges/GrandTotal/CurrencyCode	*Yes	One	String	3	Net Summary charges currency code.	
MonetaryValue	/ShipmentAcceptResponse/ShipmentResults/NegotiatedRates/NetSummaryCharges/GrandTotal/MonetaryValue	*Yes	One	String	1..19	Net Summary charges monetary value.	Valid values are from 0 to 9999999999999999.99
BillingWeight	/ShipmentAcceptResponse/ShipmentResults/BillingWeight	Yes	One	Container	N/A	N/A	
UnitOfMeasurement	/ShipmentAcceptResponse/ShipmentResults/BillingWeight/UnitOfMeasurement	Yes	One	Container	N/A	N/A	
Code	/ShipmentAcceptResponse/ShipmentResults/BillingWeight/UnitOfMeasurement/Code	Yes	One	String	2..3	Billing weight unit of measurement code. The unit of measurement used in ShipmentConfirmRequest is returned.	
Description	/ShipmentAcceptResponse/ShipmentResults/BillingWeight/UnitOfMeasurement/Description	No	One	String	3	Description of the billing weight measurement units. Values are: KGS or LBS	

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
Weight	/ShipmentAcceptResponse/ShipmentResults/BillingWeight/Weight	Yes	One	String	8	Billing weight. Higher of the actual shipment weight versus the shipment dimensional weight.	
ShipmentIdentificationNumber	/ShipmentAcceptResponse/ShipmentResults/ShipmentIdentificationNumber	Yes	One	String	18	Returned UPS shipment ID number.	1Z Number of the first package in the shipment.
ControlLogReceipt	/ShipmentAcceptResponse/ShipmentResults/ControlLogReceipt	Cond	One	Container	N/A	Container for the High Value reports	When forward shipments declared value between $999 and $50,000 USD. Two copies of high value report needs to be printed out.
ImageFormat	/ShipmentAcceptResponse/ShipmentResults/ControlLogReceipt/ImageFormat	Cond	One	Container	N/A	Container for the High Value report format, required if parent exist	

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
Code	/ShipmentAcceptResponse/ShipmentResults/ControlLogReceipt/ImageFormat/Code	Yes*	One	String	4	Code for the type of Graphic Image for the High Value Report.	Values are: EPL = EPL2 (when user requests label in EPL2 format) SPL = SPL (when user requests label in SPL format) ZPL = ZPL (when user requests label in ZPL format) HTML= HTML (when user requests label in HTML format)
Description	/ShipmentAcceptResponse/ShipmentResults/ControlLogReceipt/ImageFormat/Description	No	One	String	1..35	Description of the format code	
GraphicImage	/ShipmentAcceptResponse/ShipmentResults/ControlLogReceipt/GraphicImage	Yes*	One	Base 64 Encoded	unbounded	Base 64 encoded html, EPL2, ZPL or SPL image	
PackageResults	/ShipmentAcceptResponse/ShipmentResults/PackageResults	No	Many (up to 200)	Container	N/A	Returned Package Information.	
TrackingNumber	/ShipmentAcceptResponse/ShipmentResults/PackageResults/TrackingNumber	Yes	One	String	18	Package 1Z number.	

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
ServiceOptionsCharges	/ShipmentAcceptResponse/ShipmentResults/PackageResults/ServiceOptionsCharges	Cond	One	Container	N/A	Shipment charges info. Shipment charges are only guaranteed to be returned for shipments whose origin country is US or Puerto Rico.	
CurrencyCode	/ShipmentAcceptResponse/ShipmentResults/PackageResults/ServiceOptionsCharges/CurrencyCode	Yes	One	String	3	Package accessorial charges currency code type. The currency code used in the ShipmentConfirmRequest is returned.	
MonetaryValue	/ShipmentAcceptResponse/ShipmentResults/PackageResults/ServiceOptionsCharges/MonetaryValue	Yes	One	String	1..19	Package accessorial charges value amount.	Valid values are from 0 to 99999999999999.99
LabelImage	/ShipmentAcceptResponse/ShipmentResults/PackageResults/LabelImage	Cond	One	Container	N/A	The container for UPS shipping label	Shipment without return service or with PRL return service.
LabelImageFormat	/ShipmentAcceptResponse/ShipmentResults/PackageResults/LabelImage/LabelImageFormat	Yes	One	Container	N/A	N/A	
Code	/ShipmentAcceptResponse/ShipmentResults/PackageResults/LabelImage/LabelImageFormat/Code	Yes	One	String	3	Label image code that the labels are generated. Values EPL = EPL2, SPL = SPL, ZPL = ZPL, GIF = gif images, or PNG for PNG images.	Only EPL, SPL, ZPL and GIF are currently supported.
Description	/ShipmentAcceptResponse/ShipmentResults/PackageResults/LabelImage/LabelImageFormat/Description	No	One	String	1..35	Description of the label image format code.	

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
GraphicImage	/ShipmentAcceptResponse/ShipmentResults/PackageResults/LabelImage/GraphicImage	Yes	One	String	unbounded	Base 64 encoded graphic image.	
InternationalSignatureGraphicImage	/ShipmentAcceptResponse/ShipmentResults/PackageResults/LabelImage/InternationalSignatureGraphicImage	Cond	One	String	unbounded	Base 64 encoded graphic image of the Warsaw text and signature box.	EPL2, ZPL and SPL labels. The image will be returned for non-US based shipments. One image will be given per shipment and it will be in the first PackageResults container.
HTMLImage	/ShipmentAcceptResponse/ShipmentResults/PackageResults/LabelImage/HTMLImage	Cond	One	String	unbounded	Base 64 encoded html browser image rendering software.	This is only returned for gif and png image formats.
PDF417	/ShipmentAcceptResponse/ShipmentResults/PackageResults/LabelImage/PDF417	Cond	One	String	unbounded	PDF-417 is a two-dimensional barcode, which can store up to about 1,800 printable ASCII characters or 1,100 binary characters per symbol. The symbol is rectangular. The image is Base 64 encoded and returned if the LabelImageFormat code is GIF	Shipment with PRL return service only
Receipt	/ShipmentAcceptResponse/ShipmentResults/PackageResults/Receipt	Cond	One	Container	N/A	Container for the receipt and the receipt link.	Not supported for ERL or PRL shipments.
Image	/ShipmentAcceptResponse/ShipmentResults/PackageResults/Receipt/Image	Cond	One	Container	N/A	Container for the receipt of a return shipment	

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
ImageFormat	/ShipmentAcceptResponse/ShipmentResults/PackageResults/Receipt/Image/ImageFormat	Yes*	One	Container	N/A	Container for a receipt format	
Code	/ShipmentAcceptResponse/ShipmentResults/PackageResults/Receipt/Image/ImageFormat/Code	Yes*	One	String	4	Code representing the format in which a receipt is returned. Valid values: HTML = HTML format	
Description	/ShipmentAcceptResponse/ShipmentResults/PackageResults/Receipt/Image/ImageFormat/Description	No	One	String	1..35	Description of the image format code.	
GraphicImage	/ShipmentAcceptResponse/ShipmentResults/PackageResults/Receipt/Image/GraphicImage	Yes*	One	String	unbounded	Base 64 encoded PRL receipt in HTML format	
USPSPICNumber	/ShipmentAcceptResponse/ShipmentResults/PackageResults/USPSPICNumber	Cond	One	string	unbounded	USPSPICNumber is USPS Package Identification code which is returned at package level for UPS Returns Flexible Access Shipments.	
Form	/ShipmentAcceptResponse/ShipmentResults/Form	Cond	One	Container	N/A	Container tag for the International forms image	
Code	/ShipmentAcceptResponse/ShipmentResults/Form/Code	*Yes	One	String	2	Code that indicates the type of form	Possible Values 01 - All Requested International Forms

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
Description	/ShipmentAcceptResponse/ShipmentResults/Form/Description	*Yes	One	String	1...35	Description that indicates the type of form	Possible Values All Requested International Forms
Image	/ShipmentAcceptResponse/ShipmentResults/Form/Image	Cond	One	Container	N/A	Container tag for the International forms image	
ImageFormat	/ShipmentAcceptResponse/ShipmentResults/Form/Image/ImageFormat	Cond	One	Container	N/A	Container tag for the International forms image format information	
Code	/ShipmentAcceptResponse/ShipmentResults/Form/Image/ImageFormat/Code	Cond	One	String	3	Code representing the format in which the forms are generated Possible Values PDF = pdf	Only PDF is supported currently
Description	/ShipmentAcceptResponse/ShipmentResults/Form/Image/ImageFormat/Description	No	One	String	1..35	Description of the form image format code.	
GraphicImage	/ShipmentAcceptResponse/ShipmentResults/Form/Image/GraphicImage	Cond	One	Base 64 Encoded	unbounded	Base 64 encoded International forms image	
FormGroupId	/ShipmentAcceptResponse/ShipmentResults/Form/FormGroupId	Cond	One	String	1...26	Unique Id for later retrieval of saved version of the completed international forms.	Always returned when code = 01. 01 represents international forms.

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
FormGroupIdName	/ShipmentAcceptResponse/ShipmentResults/Form/FormGroupIdName	No	One	String	1...50	Contains description text which identifies the group of International forms. This element is part of both request and response. This element does not appear on the forms.	
CODTurnInPage	/ShipmentAcceptResponse/ShipmentResults/CODTurnInPage	No	One	Container	N/A	The container for COD Turn In Page. COD info block is included in HTML label instruction. Only supports HTML format. Only supports EU countries.	
Image	/ShipmentAcceptResponse/ShipmentResults/CODTurnInPage/Image	*Yes	One	Container	N/A	The container of the image for COD Turn In Page.	
ImageFormat	/ShipmentAcceptResponse/ShipmentResults/CODTurnInPage/Image/ImageFormat	*Yes	One	Container	N/A	The container for format of COD Turn In Page	
Code	/ShipmentAcceptResponse/ShipmentResults/CODTurnInPage/Image/ImageFormat/Code	*Yes	One	String	4	Format code of the generated COD Turn In Page. Valid values: HTML = HTML format	Only HTML format is supported for COD Turn In Page.
Description	/ShipmentAcceptResponse/ShipmentResults/CODTurnInPage/Image/ImageFormat/Description	No	One	String	1...35	Description of the format code of generated COD Turn In page.	
GraphicImage	/ShipmentAcceptResponse/ShipmentResults/CODTurnInPage/Image/GraphicImage	*Yes	One	Base 64 Encoded	unbounded	Base 64 encoded html browser image rendering software.	

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
HighValueReport	/ShipmentAcceptResponse/ShipmentResults/HighValueReport	No	1	Container			
Image	/ShipmentAcceptResponse/ShipmentResults/HighValueReport/Image	Yes	1	Container			
ImageFormat	/ShipmentAcceptResponse/ShipmentResults/HighValueReport/Image/ImageFormat	Yes	1	Container			
Code	/ShipmentAcceptResponse/ShipmentResults/HighValueReport/Image/ImageFormat/Code	Yes	1	String			
Description	/ShipmentAcceptResponse/ShipmentResults/HighValueReport/Image/ImageFormat/Description	Yes	1	String			
GraphicImage	/ShipmentAcceptResponse/ShipmentResults/HighValueReport/Image/GraphicImage	Yes	1	String			

Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
LabelURL	/ShipmentAcceptResponse/ShipmentResults/LabelURL	Yes	One	String	unbounded	LabelURL is returned only if the LabelLinksIndicator is requested for an ImportControl shipment or for a Return shipment. URL will point to a label and can also point to HighValueReport, CustomsInvoice and ImportControl instructions.	
LocalLanguageLabelURL	/ShipmentAcceptResponse/ShipmentResults/LocalLanguageLabelURL	Yes	One	String	unbounded	LocalLanguageLabelURL is returned only if the LabelLinksIndicator is requested for an ImportControl shipment or for a Return shipment. URL will point to a label and can also point to HighValueReport, CustomsInvoice and ImportControl instructions in the Country's local language if supported by UPS.	
ReceiptURL	/ShipmentAcceptResponse/ShipmentResults/ReceiptURL	Yes	One	String	unbounded	ReceiptURL is returned if the LabelLinksIndicator is requested for an ImportControl shipment or a Return shipment.	
LocalLanguageReceiptURL	/ShipmentAcceptResponse/ShipmentResults/LocalLanguageReceiptURL	Yes	One	String	unbounded	LocalLanguageReceiptURL is returned if the LabelLinksIndicator is requested for an ImportControl shipment or a Return shipment. The URL will contain the receipt in the Country's local language if supported by UPS.	

1.9 The Void XML Reference

This section documents the details of the XML messages, including the requests that clients send to UPS and the responses that UPS returns. The first subsection explains the notation that this section uses. It is followed by a section that describes how UPS verifies that client applications are authorized to use the API. The next subsections define the messages used by the API for its services. The final subsection provides a list of error codes.

1.9.1 Describing XML Messages

As noted previously, all messages that UPS APIs send and receive consist of XML documents. This reference section defines the specific elements within those XML documents.

1.9.2 Authenticating Client Applications

UPS Shipping Services are only available for authorized UPS customers. To enforce this policy, UPS requires that every message that a client application sends include important authentication information. That information is contained in an AccessRequest XML document that must begin each message.

1.9.1 Void Shipment Request

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES
VoidShipmentRequest	/VoidShipmentRequest	Yes	1	Container	N/A	N/A	
Request	/VoidShipmentRequest /Request	Yes	1	Container	N/A	N/A	
RequestAction	/VoidShipmentRequest/Request/Request Action	Yes	1	String	1	Indicates the action to be taken by the XML service. 1 = Void the shipment.	Currently, there is only 1 valid RequestAction value.
TransactionReference	/VoidShipmentRequest /Request/Transaction Reference	Yes	1	Container	N/A	TransactionReference identifies transactions between client and server.	
CustomerContext	/VoidShipmentRequest /Request/Transaction Reference/CustomerContext		1	String	1..512	The client uses CustomerContext to synchronize request /response pairs. The client establishes Customer Context, which can contain any information you want, as along as it is valid XML; it is echoed back by the server.	
ShipmentIdentificationNumber	/VoidShipmentRequest /ShipmentIdentification Number	Cond	1	String	18	The shipment's identification number	Must pass 1Z rules. Must be upper case| This element is mutually exclusive with the Expanded Void Shipment node.
ExpandedVoidShipment	/VoidShipmentRequest /ExpandedVoidShipment	Cond	1	Container	N/A	Expanded Void Capability	This element is mutually exclusive with the Void Shipment Request/ Shipment IdentificationNumber.

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES
ShipmentIdentificationNumber	/VoidShipmentRequest /ExpandedVoidShipment /ShipmentIdentificationNumber	Yes	1	String	18	The shipment's identification number	Must pass 1Z rules . Must be upper case
TrackingNumber	/VoidShipmentRequest /ExpandedVoidShipment /TrackingNumber	No |Zero to Many	unbounded	String	18	The package's identification number	Must pass 1Z rules. Must be upper case.

1.9.2 Void Shipment Response

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES
VoidShipmentResponse	/VoidShipmentResponse	Yes	1	Container	N/A	N/A	
Response	/VoidShipmentResponse/Response	Yes	1	Container	N/A	Contains Errors information tags along with the success/fail status of the void request.	
TransactionReference	/VoidShipmentResponse/Response/TransactionReference	Yes	1	Container	N/A	N/A	
CustomerContext	/VoidShipmentResponse/Response/TransactionReference/CustomerContext	No	1	String	0..512	Customer provided data. May be XML. If this data is present in the request, it is echoed back to the customer.	
XpciVersion	/VoidShipmentResponse/Response/TransactionReference/XpciVersion	No	1	String	1..50	Identifies the version of the message. Current version is 1.0001	
ResponseStatusCode	/VoidShipmentResponse/Response/ResponseStatusCode	Yes	1	String		Identifies the success or failure of the interchange. |1 = Success|0 = Failure	
ResponseStatusDescription	/VoidShipmentResponse/Response/ResponseStatusDescription	No	1	String	1..15	Describes the Response Status Code.	
Error	/VoidShipmentResponse/Response/Error	No	1	Container	N/A	If an error is encountered during the interchange, the Response contains an error. If the error is present, then the ErrorSeverity and ErrorCode are required.	

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES
ErrorSeverity	/VoidShipmentResponse/Response/Error/ErrorSeverity	Yes	1	String	1..15	Describes the severity of the error.	
ErrorCode	/VoidShipmentResponse/Response/Error/ErrorCode	Yes	1	String	1..15	A numeric value that describes the error.	
ErrorDescription	/VoidShipmentResponse/Response/Error/ErrorDescription	No	1	String	1..50	Describes the error code.	
MinimumRetrySeconds	/VoidShipmentResponse/Response/Error/MinimumRetrySeconds	No	1	String	1..10		
ErrorLocation	/VoidShipmentResponse/Response/Error/ErrorLocation	No	1	Container	N/A	Identifies the element in error.	
ErrorLocationElementName	/VoidShipmentResponse/Response/Error/ErrorLocation/ErrorLocationElementName	No	1	String	1..512	The Xpath name of the element in error. This is a valid Xpath pointing to an element in the request document.	
ErrorLocationAttributeName	/VoidShipmentResponse/Response/Error/ErrorLocation/ErrorLocationAttributeName	No	1	String	1..50	The name of the attribute in error. This is the name of the attribute contained by the Error Location element.	
ErrorDigest	/VoidShipmentResponse/Response/Error/ErrorDigest	No	1	String	by the size of the Request data.	The contents of the element in error.	
Status	/VoidShipmentResponse/Status	No	1	Container	N/A	Contains Status information tags.	

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES
StatusType	/VoidShipmentResponse/Status/ StatusType	Yes	1	Container	N/A	Contains the status type tags.	
Code	/VoidShipmentResponse/Status/ StatusType/Code	Yes	1	String		A numeric value that describes the status type .|1 = Success|0 = Failure	
Description	/VoidShipmentResponse/Status/ StatusType/Description	No	1	String	1..15	A text description of the status type.	
StatusCode	/VoidShipmentResponse/Status/ StatusCode	Yes	1	Container	N/A	Contains the status code tags.	
Code	/VoidShipmentResponse/Status/ StatusCode/Code	Yes	1	String		The Shipment level void status code. A numeric value that describes the status code.| 2 = Partially Voided|1 = Success or Voided |0 = Failure	The Voided and Partially Voided status codes are only returned in association with the expanded void functionality.
Description	/VoidShipmentResponse/Status/ StatusCode/Description	*Yes	1	String	1..15	A text description of the status code.	
PackageLevelResults	/VoidShipmentResponse/Packa geLevelResults	No|Zero to Many	unbounded	Container	N/A	Contains the Package Level Results For the expanded void functionality only.	This node will be returned for package level voids and partially voided shipments.
TrackingNumber	/VoidShipmentResponse/Packa geLevelResults/TrackingNumbe r	*Yes	1	String	18	The package's identification number	

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES
StatusCode	/VoidShipmentResponse/PackageLevelResults/StatusCode	*Yes	1	String	1	The Package Level void status code. A numeric value that describes the status code.|1 = Voided or Already Voided|0 = Not Voided	
Description	/VoidShipmentResponse/PackageLevelResults/Description	*Yes	1	String	1..15	A text description of the status code.	

1.10 Understanding XML Label Recovery Services

For up to 30 days after customers schedule return shipments, UPS maintains a copy of the shipping labels for the returned package. If customers need to print additional copies of return labels, the Label Recovery Shipping API can retrieve those labels.

Merchants typically provide this functionality on their own web site. Their customers access the merchant's web site, which acts as an intermediary on their behalf to retrieve the label from UPS.

1.11 The Label Recovery XML Reference

This section documents the details of the XML messages, including the requests that clients send to UPS and the responses that UPS returns. The first subsection explains the notation that this section uses. It is followed by a section that describes how UPS verifies that client applications are authorized to use the API. The next subsections define the messages used by the API for its services. The final subsection provides a list of error codes.

1.11.1 Describing XML Messages

As noted previously, all messages that UPS APIs send and receive consist of XML documents. This reference section defines the specific elements within those XML documents.

1.11.2 Authenticating Client Applications

UPS Shipping Services are only available for authorized UPS customers. To enforce this policy, UPS requires that every message that a client application sends include important authentication information. That information is contained in an AccessRequest XML document that must begin each message.

1.11.3 Label Recovery Request

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION/ VALIDATION RULES
LabelRecoveryRequest	/LabelRecoveryRequest	Yes | One	1	Container	N/A	Only available for ERL return types
Request	/LabelRecoveryRequest/Request	Yes | One	1	Container	N/A	N/A
TransactionReference	/LabelRecoveryRequest/Request/TransactionReference	No | One	1	Container	N/A	TransactionReference identifies transactions between client and server.
RequestAction	/LabelRecoveryRequest/Request/RequestAction	Yes | One	1	String	1..2	Indicates the action to be taken by the XML service. Must be 'LabelRecovery'.
LabelSpecification	/LabelRecoveryRequest/LabelSpecification	No | Zero to One	1	Container	N/A	Container used to define the properties required by the user to print and/or display the label.
HTTPUserAgent	/LabelRecoveryRequest/LabelSpecification/HTTPUserAgent	No	1	String	1..64	Browser HTTPUserAgentString. This is the preferred way of identifying GIF image type to be generated. If not specified, default to Mozilla/4.5
LabelImageFormat	/LabelRecoveryRequest /LabelSpecification/LabelImageFormat	No	1	Container	N/A	The file format of the label and receipt. Default to HTML format if this node not exist

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION/ VALIDATION RULES
Code	/LabelRecoveryRequest /LabelSpecification/LabelImag eFormat/Code	No	1	String	3	File type that the label and receipt is to be generated in. Valid values are: 'GIF' -- The generated label and receipt are in HTML format. 'PDF' -- The generated label and receipt are in PDF format. If the Label contains Customs Invoice then the Label and receipt will always be returned in PDF format.
Translate	/LabelRecoveryRequest/Tran slate	No | Zero to Many	1	Container	N/A	Translate container allows the user to specify the language he/she would like a specific portion of response to return. The language is specified by the combination of language code and dialect code. Valid combinations are: LanguageCode + DialectCode. Languages: eng GB = Queen's English. Spa 97 = Castilian Spanish. ita 97 = Italian. fra 97 = France French. fra CA = Canadian French . deu 97 = German . por 97 = Portugal Portuguese. nld 97 = Dutch. dan 97 = Danish. fin 97 = Finnish. swe 97 = Swedish. eng CA = Canadian English. Eng US = US English. Default language is Queen's English. If the Ship from country is Canada, the Language defaults to Canadian English. If the ship from country is US, the language defaults to US English. If shipping from some other country, the language defaults to Queens English.
LanguageCode	/LabelRecoveryRequest/Tran slate/LanguageCode	Yes | One	1	String	2...3	The Language code. The language codes are three letter language codes. Supported languages are:eng - Englishspa - Spanishita - Italianfra - Frenchdeu - Germanpor - Portuguesenld - Dutchdan - Danishfin -Finnishswe – Swedishnor - Norwegian
DialectCode	/LabelRecoveryRequest/Tran slate/DialectCode	Yes | One	1	String	2	Valid dialect codes are: CA - CanadaGB - Great Britain97 – Not Applicable US - United States
Code	/LabelRecoveryRequest/Tran slate/Code	Yes | One	1	String	2	Used to specify what will be translated. Valid codes are: "01"Code Definitions: "01" = label direction instructions and receipt.
LabelDelivery	/LabelRecoveryRequest/Labe lDelivery	No | Zero or One	1	Container	N/A	Container for the Label Delivery accessorial. One Label Delivery per shipment
LabelLinkIndicator	/LabelRecoveryRequest /LabelDelivery/LabelLinkIndic ator	No | Zero or One	1	Empty	N/A	Indicates the Label Recovery and Receipt Recovery URL links are to be returned in the XML Response. Valid for shipments with a Web Return Label Return Service.

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION/ VALIDATION RULES
TrackingNumber	/LabelRecoveryRequest/TrackingNumber	Cond | one	1	String	1..18	Package Tracking Number. If the TrackingNumber is not provided, then the ReferenceNumber/Value and ShipperNumber have to be provided.
ReferenceNumber	/LabelRecoveryRequest/ReferenceNumber	Yes	1	Container	N/A	N/A
Value	/LabelRecoveryRequest/ReferenceNumber/Value	Cond | One	1	String	1..35	Required if TrackingNumber is not populated. Customer supplied reference number. Supports up to 2 customer supplied combinations of Reference code- value combinations.
ShipperNumber	/LabelRecoveryRequest/ShipperNumber	Cond | One	1	String	6	Required if ReferenceNumber/Value is populated. Shipper's six digit account number. Must be six alphanumeric characters. Must be associated with the Internet account used to login.

1.11.4 Label Recovery Response

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION / VALIDATION RULES
LabelRecoveryResponse	/LabelRecoveryResponse	Yes | One	1	Container	N/A	N/A
Response	/LabelRecoveryResponse/Response	Yes | One	1	Container	N/A	N/A
TransactionReference	/LabelRecoveryResponse /Response/TransactionReference	Yes | One	1	Container	N/A	N/A
CustomerContext	/LabelRecoveryResponse /Response/TransactionReference/CustomerContext	No	1	String	0..512	Customer provided data. May be XML. If this data is present in the request, it is echoed back to the customer.
XpciVersion	/LabelRecoveryResponse/Response/TransactionReference/ XpciVersion	No	1	String	1..50	Identifies the version of the message. Current version is 1.0001
ResponseStatusCode	/LabelRecoveryResponse/Response/ResponseStatusCode	Yes	1	String	1	Identifies the success or failure of the interchange. 1 = Success0 = Failure
ResponseStatusDescription	/LabelRecoveryResponse/Response/ResponseStatusDescription	No	1	String	1..15	Describes the Response Status Code.
Error	/LabelRecoveryResponse/Response/Error	No	1	Container	N/A	If an error is encountered during the interchange, the Response contains an error. If the error is present, then the ErrorSeverity and ErrorCode are required.

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION / VALIDATION RULES
ErrorSeverity	/LabelRecoveryResponse/Response/Error/ErrorSeverity	Yes	1	String	1..15	Describes the severity of the error. Refer to Table XXX
ErrorCode	/LabelRecoveryResponse/Response/Error/ErrorCode	Yes	1	String	1..15	A numeric value that describes the error. Each API defines a range of error codes. Refer to error conditions, in the appropriate chapter, for a complete list of interchange errors.
ErrorDescription	/LabelRecoveryResponse/Response/Error/ErrorDescription	No	1	String	1..50	Describes the error code.
MinimumRetrySeconds	/LabelRecoveryResponse/Response/Error/MinimumRetrySeconds	No	1	String	1..5	Number of seconds to wait until retry. This field is populated on special conditions of the Transient Error only, as defined by the service. A number between 1 and 86400 (24 hours)
ErrorLocation	/LabelRecoveryResponse/Response/Error/ErrorLocation	No	1	Container	N/A	Identifies the element in error.
ErrorLocationElementName	/LabelRecoveryResponse/Response/Error/ErrorLocation/ErrorLocationElementName	No	1	String	1..512	The Xpath name of the element in error. This is a valid Xpath pointing to an element in the request document.
ErrorLocationAttributeName	/LabelRecoveryResponse/Response/Error/ErrorLocation/ErrorLocationAttributeName	No	1	String	1..50	The name of the attribute in error. This is the name of the attribute contained by the Error Location element.
ErrorDigest	/LabelRecoveryResponse/Response/Error/ErrorDigest	No	1	Alphanumeric	Bound by the size of the Request data.	The contents of the element in error.
ShipmentIdentificationNumber	/LabelRecoveryResponse/ShipmentIdentificationNumber	Yes | One	1	String	18	Tracking number of the leading package in the shipment

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION / VALIDATION RULES
LabelResults	/LabelRecoveryResponse/LabelResults	No | One	1	Container	N/A	Information containing the results of the users Label Recovery Request.
TrackingNumber	/LabelRecoveryResponse/LabelResults/TrackingNumber	Yes | One	1	String	18	Package Tracking number.
LabelImage	/LabelRecoveryResponse/LabelResults/LabelImage	Yes | One	1	Container	N/A	The elements needed to render a label on a printer or in a browser. Specifies the format in which GraphicImage is represented. If LabelImageFormat is GIF, LabelImage contains GraphicImage and HTMLImage. Otherwise, it contains only GraphicImage. If LabelImageFormat is PDF, LabelImage is only returned at the first package result. If entered in the request, the response mirrors, else the default values are returned.
LabelImageFormat	/LabelRecoveryResponse/LabelResults/LabelImage/LabelImageFormat	Yes | One	1	Container	N/A	The format of a label image byte stream.
Code	/LabelRecoveryResponse/LabelResults/LabelImage/LabelImageFormat/Code	Yes | One	1	String	3	Code type that the label image is to be generated in. Valid value returned is GIF or PDF
GraphicImage	/LabelRecoveryResponse/LabelResults/LabelImage/GraphicImage	Yes | One	1	Base 64 Encoded	Unbounded	Base 64 encoded graphic image.
HTMLImage	/LabelRecoveryResponse/LabelResults/LabelImage/HTMLImage	Cond | One	1	Base 64 Encoded	Unbounded	Base 64 encoded html browser image rendering software. This is only returned for GIF image formats.
PDF417	/LabelRecoveryResponse/LabelResults/LabelImage/PDF417	Cond | Zero or One	1	Base 64 Encoded	Unbounded	PDF-417 is a two-dimensional barcode, which can store up to about 1,800 printable ASCII characters or 1,100 binary characters per symbol. The symbol is rectangular. The PDF417 image will be returned when the shipment is transborder and the service option is one of the following: StandardExpressSaverExpress PlusThe image is Base 64 encoded and only returned for GIF image format

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION / VALIDATION RULES
InternationalSignatureGraphicImage	/LabelRecoveryResponse/LabelResults/LabelImage/InternationalSignatureGraphicImage	Yes	1	String	Unbounded	Base 64 encoded graphic image of the Warsaw text and signature box.
URL	/LabelRecoveryResponse/LabelResults/LabelImage/URL	Cond	1	String	Unbounded	This is only returned if the label link is requested to be returned and only at the first package result
Receipt	/LabelRecoveryResponse/LabelResults/Receipt	Cond	1	Container	N/A	Container for the HTML receipt and the receipt link.
HTMLImage	/LabelRecoveryResponse/LabelResults/Receipt/HTMLImage	Cond	1	String	Unbounded	
Image	/LabelRecoveryResponse/LabelResults/Receipt/Image	Cond	1	Container	N/A	Container for the receipt in the format other than HTML.
ImageFormat	/LabelRecoveryResponse/LabelResults/Receipt/Image/ImageFormat	Yes | 1	1	Container	N/A	Container for the format of the receipt
Code	/LabelRecoveryResponse/LabelResults/Receipt/Image/ImageFormat/Code	Yes	1	String	3	The file type of the receipt. Valid value is 'PDF'

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION / VALIDATION RULES
GraphicImage	/LabelRecoveryResponse/LabelResults/Receipt/Image/GraphicImage	Yes | One	1	Base 64 Encoded	Unbounded	Base 64 encoded graphic image.
TrackingCandidate	/LabelRecoveryResponse/TrackingCandidate	Cond	1	Container	N/A	Information containing the results of the users Label Recovery Request. Returned in the event the Shipper Number and Reference Number are supplied in the request.
TrackingNumber	/LabelRecoveryResponse/TrackingCandidate/TrackingNumber	Yes	1	String	18	Package Tracking number.
DestinationPostalCode	/LabelRecoveryResponse/TrackingCandidate/DestinationPostalCode	No	1	String	1..9	Destination Postal Code candidate.
DestinationCountryCode	/LabelRecoveryResponse/TrackingCandidate/DestinationCountryCode	No	1	String	2	Destination Country Code candidate.
PickupDateRange	/LabelRecoveryResponse/TrackingCandidate/PickupDateRange	No	1	Container	N/A	A range of time the package was picked up.
BeginDate	/LabelRecoveryResponse/TrackingCandidate/PickupDateRange/BeginDate	No	1	String	8	The beginning of the date range for the candidate.Format: YYYYMMDD
EndDate	/LabelRecoveryResponse/TrackingCandidate/PickupDateRange/EndDate	No	1	String	8	The end of the date range for the candidate..Format: YYYYMMDD

1.12 Customer Integration Environment

The Customer Integration Environment (CIE) allows customers to test their application prior to launch. This environment is intended for integration testing of customer applications with the UPS servers. No stress testing should ever be performed by customers against any UPS systems.

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

Please note that while CIE maintains system availability 24 hours, 7 days each week, there are occasional system down times to allow for server maintenance.

1.12.1 Negotiated Rates

Negotiated Rates are available in the UPS Customer Integration Environment (CIE) and are returned when the Negotiated Rate indicator is provided in the ShipConfirm request. The Negotiated Rates returned do not reflect the contractual rate and may vary. (A flat 1% discount is returned)

Also in the Customer Integration Environment the shipper eligibility for Negotiated Rates is not fully verified. For shipper eligibility requirements refer to Negotiated Rates section within UPS Rates & Service Guide.

1.12.1.1 Shipping

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

1.12.1.2 Verifying Shipping Rates

Shipping rates quoted are estimates based on the information supplied. Other shipping charges may apply and the final shipping charge may differ depending upon UPS Account Number and how the package is tendered to UPS. Please see the applicable UPS Rate and Service Guide for details.

When comparing shipment charges between applications and API that provide UPS rates, be sure that the requests are identical. Working through any discrepancies will require knowledge of all parameters posted along with defaults, numeric rounding, and rate table used by the applications being compared.

For more information on UPS Services, refer to the UPS Service Guide at:

http://www.ups.com/using/svc-index.html.

You can check your results against the UPS Quick Cost Calculator™ web application located at:

http://wwwapps.ups.com/servlet/QCCServlet

1.12.2 Testing and Deploying Applications

UPS maintains a special environment to support testing and staging of applications that rely on UPS Developer APIs. This environment is called the Customer Integration Environment (CIE) and allows developers test and debug their applications by simulating transactions with UPS. The CIE site responds to requests just like the UPS production environment; however, it does not initiate actual UPS business services.

For example, if you send a shipping request to the UPS production site, a UPS driver may show up at your location expecting to pick up a package (and expecting payment for the service.) Sending the shipping request to CIE will avoid this problem.

For integration testing, you should direct your test shipping software to:

https://wwwcie.ups.com/ups.app/xml/ShipConfirm

https://wwwcie.ups.com/ups.app/xml/ShipAccept

1.12.2.1 System Availability

The Customer Integration Environment is available 24 hours a day, 7 days a week.

1.12.2.2 Server Availability Check

All of the UPS services work using HTTPS POST. Using the same URL as you point your application to, perform an HTTPS GET. 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/ups.app/xml/ShipConfirm

https://wwwcie.ups.com/ups.app/xml/ShipAccept

The following will be returned:

Service Name: ShipConfirm
Remote User: null
Server Port: 443
Server Name: wwwcie.ups.com
Servlet Path: /ShipConfirm

1.12.3 UPS Product Exchange Service

Email Pre-alert notification will be sent with a custom text in case of exchange forward shipment, if user provided pre-alert notification Email in the request.

1.12.4 Production Access

NEW! UPS now grants both test and production access for the Shipping API immediately without any further requests. To use production environment just point to the Production URLs outlined below.

Prior to moving to the Production environment, you should verify that your XML is well-formed (successful responses) and be able to produce the following:

- Void Request

- High Value Report

- Label Recovery

- A proportional UPS Address label

Questions about your XML request and response need to be directed to API Technical Support. Please see section "Getting Technical Support".

<Please refer to sample label at Appendix M as reference>

Once your testing is completed please direct your Shipping Package XML to the Production URL's:

https://onlinetools.ups.com/ups.app/xml/ShipConfirm

https://onlinetools.ups.com/ups.app/xml/ShipAccept

1.12.5 Label Verification for Contract Services

Returns Flexible Access (RFA) requires Label Certification. Please complete the steps noted below.

- Ask your Account Representative to submit a Label Testing Request Form to the Label Verification Group prior to submitting your RFA labels for review

- Request a UPS Return Label by sending an email with your pickup address to labelverify@ups.com

- Create 10 RFA shipments/labels with a return service code of PRL

- Submit the RFA labels to the Label Verification Group using the UPS provided Return Label

UPS will contact you via email within 5 business days to inform you of your approval status for RFA. Once granted, please direct your Shipping Package XML to the Production URL's:

https://onlinetools.ups.com/ups.app/xml/ShipConfirm

https://onlinetools.ups.com/ups.app/xml/ShipAccept

Note: UPS reserves the right to revoke shipping privileges from any customers who fail to abide by the Certification Requirements outlined above.

1.12.6 Other Shipping API

1.12.6.1 Voiding Package Shipments

Test your Void application using the set of 1Zs listed below:

NUMBER(S)	SCENARIO	EXPECTED RESULT
1Z12345E0390817264	Single package shipment sent via UPS Ground.	Request is processed, and shipment is voided.
NUMBER(S) SCENARIO EXPECTED RESULT 1Z12345E0193075279	Single package shipment sent via Next Day Air.	Request is processed, and shipment is voided.
1Z12345E0392508488	Single package shipment sent via UPS Ground for which the allotted time period for voiding the shipment has expired.	Error 190101, Time for voiding has expired.
1Z12345E1290420899	Shipment that has already been picked up by the UPS service provider.	Error 190103, A completed order cannot be voided.
1Z12345E0390856432	Shipment that can be voided at the shipment level.	A successful shipment voided XML response will be returned for a shipment level void request.
1Z12345E0193081456	Shipment that can be voided at the shipment level.	A successful shipment voided XML response will be returned for a shipment level void request.
1Z12345E1234567890, 1Z12345E1234567890	PLEASE NOTE: **The two 1Zs are intentionally the same value.** The first one is the Shipment Identifier. The second one is the Package Identifier. The intention of this test case is to prove one can void the lead package in a shipment and the Shipment ID will survive the void of the lead package.	A successful shipment partially voided XML response will be returned for a package level void request. The request will void only one of multiple packages in the shipment. The shipment will be "partially" voided.
1Z12345E2318693258, 1Z12345E0193072168	Multi-package shipment with all, save one, of the packages already voided. The request will void the remaining package.	A successful shipment voided XML response will be returned for a package level void request. The request will

NUMBER(S)	SCENARIO	EXPECTED RESULT
		void the only remaining package in the shipment. The shipment will be completely voided.
NUMBER(S) SCENARIO EXPECTED RESULT 1Z12345E1234567890, 1Z12345E8635481269, 1Z12345E1593518308	Multi-package shipment with a package that cannot be voided.	A successful shipment partially voided XML response will be returned for a package level void request. Tracking number 1Z12345E1593518308 will not be voided.
1Z12345E2318693258, 1Z12345E0390819985, 1Z12345E0193078563	Multi-package shipment with two packages that remain un-voided.	A successful shipment voided XML response will be returned for a package level void request. The request will void all of the remaining packages in the shipment. The shipment will be completely voided.
1Z12345E8793628675	A shipment uploaded more than 28 days previously.	A failed XML response will be returned. Error Code 190101, Time for voiding has expired.
1Z12345E1234567890, 1Z12345E0392508253	This tracking number does not belong to the shipment.	Package void will fail to void any packages when an invalid package tracking number is provided. A failed XML response will be returned. Error Code 190110, Invalid Package Void.
1Z12345E2318693258, 1Z12345E0392506486	Return shipment.	Return shipments cannot be voided at the package level. A failed XML response will be returned. Error Code 190112, Return Service Shipments cannot be Voided at the Package Level.

This will ensure that your application has the ability to process success and error responses correctly.

For integration testing, you should direct your test Void Package Shipment software to:

https://wwwcie.ups.com/ups.app/xml/Void

For production testing, you should direct your test Void Package Shipment software to:

https://onlinetools.ups.com/ups.app/xml/Void

1.12.6.2 Label Recovery

Test your Label Recovery application using the set of 1Zs listed below:

NUMBER(S)	SCENARIO	EXPECTED RESULT
1Z12345E8791315509	Label returned in PDF format	Request is processed, label returned in PDF format
1Z12345E8791315413	Label returned in html format	Request is processed, label returned in html format

This will ensure that your application has the ability to process PDF and html responses correctly.

For integration testing, you should direct your test Label Recovery software to:

https://wwwcie.ups.com/ups.app/xml/LabelRecovery

For production testing, you should direct your test Label Recovery software to:

https://onlinetools.ups.com/ups.app/xml/LabelRecovery

1.12.6.3 System Availability

The Customer Integration Environment is available 24 hours a day, 7 days a week.

1.12.6.4 Server Availability Check

All of the UPS services work using HTTPS POST. Using the same URL as you point your application to, perform an HTTPS GET. 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/ups.app/xml/Void

The following will be returned:

Service Name: Void
 Remote User: null
Server Port: 443
Server Name: wwwcie.ups.com
Servlet Path: /Void

Appendix A- Accessing Tech Support (US Site Example)

Go to ups.com and log in to myUPS with your ID and PW.

Hover over the "Support" tab, and select "Technology Support" from the drop-down.
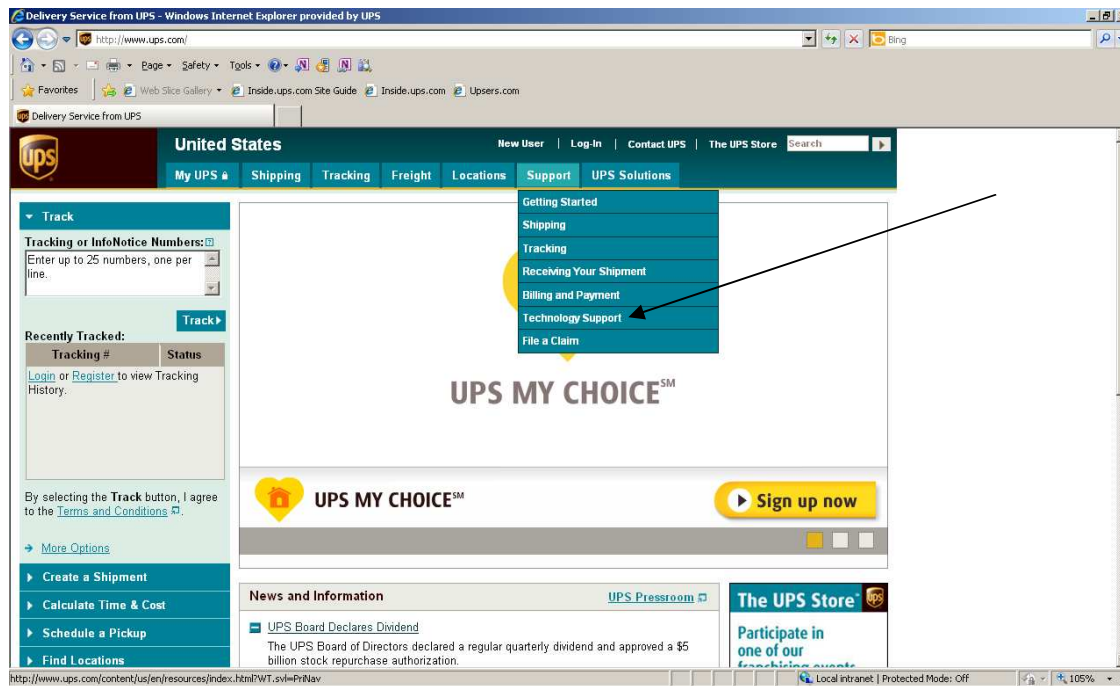
From the Technology Support page select the Developer Resource Center link from the left navigation.
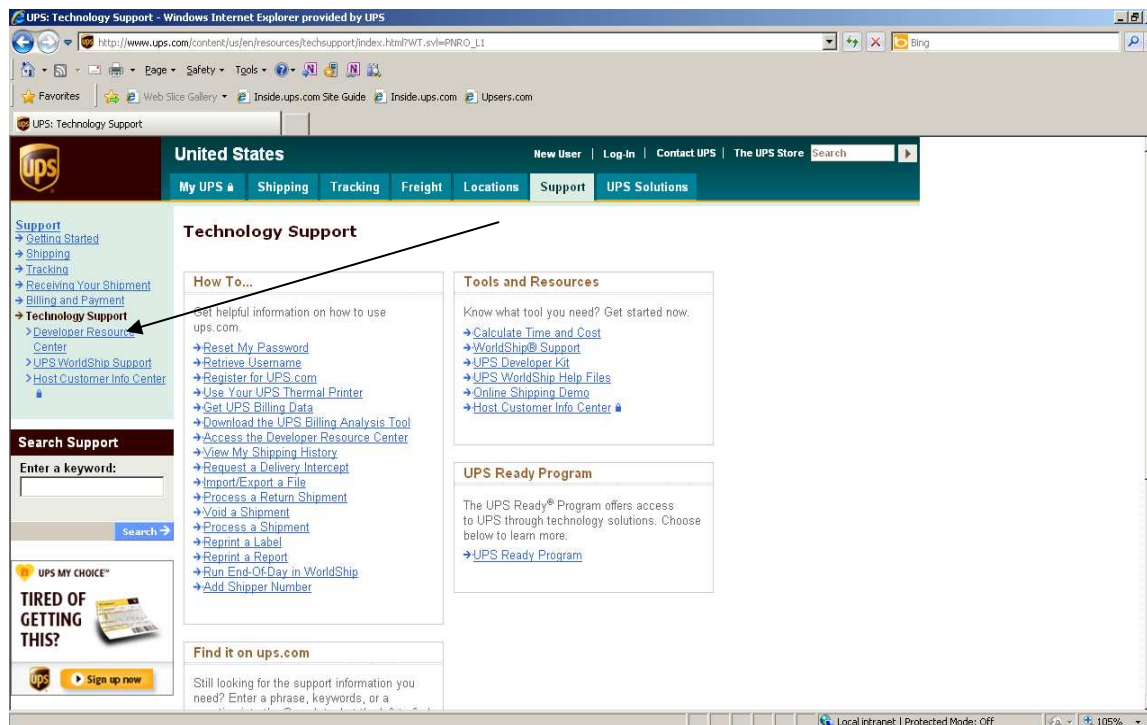
From the Developer Resource Center page select the "Email UPS" link in right hand column.
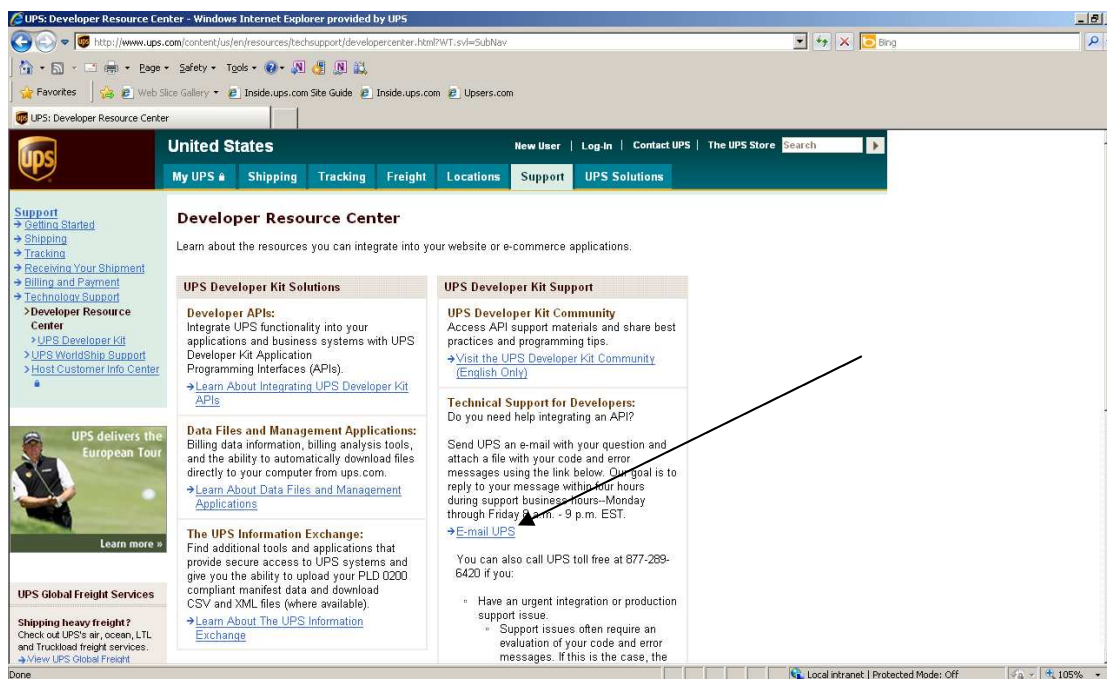
Complete Name, email address, Support Category must be "Technical Support", and Support Topic must be "Developer Resource". Select the "Next" button.

Scroll down the page and complete the remainder of the email form including "Your Telephone", "Stage of Development", "Developer Resource" which is which API you are integrating, "Attach File" where you attach your XML Request/Response Pair, and any pertinent description of the issues in the "What is your question or comment?" field. Select "Send Email" button.

The screen below will appear. Please see "Technical Support (US)" within this document for tech support hours of operation and response times.

Appendix B - Shipping Error Codes

To discover errors, check the ResponseStatusCode element. A "1" normally indicates a successful response, whereas a "0" indicates an error, either Transient or Hard. When an error occurs there will also be an error code, and an error description.

 Success – Successful responses may or may not include **Warnings**.

- (without warnings) Request is processed as anticipated by the client.
- (with warnings) *Warning* messages indicate that UPS was able to process the request; however (potentially) unanticipated results have also occurred. The warning contains information in the response that should be passed to the end user.

 Errors – will return two different levels of severity.

- *Transient* errors are temporary errors, due to temporary high server loads or scheduled maintenance, for example. The application may re-issue the request at a later time.
- *Hard* errors indicate that an error existed in the request that UPS could not resolve. These errors are critical and prevent requests from processing.

Applications should not re-issue requests with Hard errors without first correcting the error.
The following table lists the errors that UPS may return in response to a request.

Common Errors can apply to all Web Services and API;

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
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
250050	Transient	License system not available

Shipping API specific errors:

Error Code	Severity	Description
120001	Transient	XML Shipping System is unavailable, please try again later.
120014	Warning	A Large Air Package Minimum Surcharge has been applied to Package %package.index%.
120016	Warning	Customs Invoice is required when the shipment is tendered to UPS.
120017	Warning	If the value of the goods you are shipping is above 6,000 Euro or local equivalent, you must supply an EUR1 form in addition to signing your invoice.
120018		International Form Data Holder Exception
120019	Warning	The location ID you provided is not valid. Valid location ID consists of 3 to 10 alpha numeric characters.
120020	Hard	Max packages per shipment exceeded.
120021	Hard	The same shipment cannot be requested to be created more than once.
120022	Warning	For packages with high value report: give them to a UPS driver or UPS Customer Center representative to ensure he signs one copy of the receipt and returns it to you. This is your proof that UPS has accepted the package(s), and will be required for submitting a claim.
120023	Warning	Using user generated forms is not permitted. Please attach your user generated forms with your shipment.
120024	Warning	Uploading of your user generated International Forms was not successful. Please attach the international forms to your shipment.
120050	Hard	RequestAction has an unsupported value.
120051	Hard	Invalid RequestOption
120100	Hard	Missing or Invalid shipper number
120101	Hard	Missing/Invalid shipper name
120102	Hard	Missing/Invalid shipper address line 1
120103	Hard	Invalid shipper address line 2
120104	Hard	Invalid shipper address line 3
120105	Hard	Missing/Invalid Shipper City
120106	Hard	Missing/Invalid Shipper StateProvinceCode
120107	Hard	Missing/Invalid Shipper PostalCode. (Description)
120108	Hard	Missing/Invalid Shipper CountryCode
120109	Hard	Missing/Invalid Shipper PhoneNumber
120110	Hard	Missing/Invalid Shipper AttentionName

Error Code	Severity	Description
120111	Hard	Shipper Email Address cannot exceed a length of 50 characters
120112	Hard	Shipper Email Address is an invalid format
120113	Hard	Shipper number must contain alphanumeric characters only
120114	Hard	Shipper phone extension cannot exceed the length of 4.
120115	Hard	Shipper PhoneNumber must be at least 10 alphanumeric characters
120116	Hard	Shipper phone extension must contain only numbers
120117	Hard	Shipper phone extension is allowed only if the shipper is located in US, Puerto Rico or Canada
120118	Hard	Shipper phone extension is only valid if a phone number is given
120119	Hard	Shipper phone number and phone extension together cannot be more than 15 digits long
120120	Hard	The country associated with Shippers ShipperNumber must be the same as the shipments Shippers country.
120121	Hard	The Shippers shipper number cannot be used for the shipment.
120122	Hard	Invalid Shipper ShipperNumber
120124	Hard	The requested service is unavailable between the selected locations
120125	Hard	Consignee billing is only supported in US or Pureto Rico
120200	Hard	Missing/Invalid ShipTo CompanyName
120201	Hard	Missing/Invalid ShipTo AttentionName
120202	Hard	Missing/Invalid ShipTo AddressLine1
120203	Hard	Invalid ShipTo AddressLine2
120204	Hard	Invalid ShipTo AddressLine3
120205	Hard	Missing/Invalid ShipTo/ City
120206	Hard	Missing/Invalid ShipTo StateProvinceCode
120207	Hard	Missing/Invalid ShipTo PostalCode. (Description)
120208	Hard	Missing/Invalid/Unsupported ShipTo CountryCode
120209	Hard	Missing/Invalid ShipTo PhoneNumber
120210	Hard	ShipTo EmailAddress cannot exceed a length of 50 characters
120211	Hard	ShipTo EmailAddress is an invalid format
120212	Hard	ShipTo PhoneExtension cannot exceed the length of 4.
120213	Hard	ShipTo PhoneNumber must be at least 10 alphanumeric characters
120214	Hard	ShipTo PhoneExtension must contain only numbers
120216	Hard	ShipTo PhoneExtension is only valid if a phone number is given
120217	Hard	ShipTo phone number and phone extension together cannot be more than 15 digits long
120218	Hard	Missing or Invalid ShipTo tax identification. TaxID may not exceed a length of 15.
120300	Hard	Missing/Invalid ShipFrom CompanyName
120301	Hard	Missing/Invalid ShipFrom AttentionName
120302	Hard	Missing/Invalid ShipFrom AddressLine1
120303	Hard	Invalid ShipFrom AddressLine2
120304	Hard	Invalid ShipFrom AddressLine3
120305	Hard	Missing/Invalid ShipFrom City
120306	Hard	Missing/Invalid ShipFrom StateProvinceCode

Error Code	Severity	Description
120307	Hard	Missing/Invalid ShipFrom PostalCode. (Description)
120308	Hard	Missing/Invalid/Unsupported ShipFrom CountryCode
120309	Hard	Missing/Invalid ShipFrom PhoneNumber
120310	Hard	ShipFrom EmailAddress cannot exceed a length of 50 characters
120311	Hard	ShipFrom EmailAddress is an invalid format
120312	Hard	ShipFromPhoneExtension cannot exceed the length of 4.
120313	Hard	ShipFrom PhoneNumber must be at least 10 alphanumeric characters
120314	Hard	ShipFromPhoneExtension must contain only numbers
120316	Hard	ShipFromPhoneExtension is only valid if a phone number is given
120317	Hard	The ShipFrom country must be the same as the Shipper country
120318	Hard	ShipFrom phone number and phone extension together cannot be more than 15 digits long
120400	Hard	Missing/Invalid shipment payment method
120402	Hard	Missing/Invalid credit card type
120403	Hard	Missing/Invalid credit card number
120404	Hard	Missing/Invalid credit card expiration date
120406	Hard	creditcard number is not valid for the credit card type
120407	Hard	The credit card provided as the payment method has expired.
120408	Hard	Missing credit card type
120410	Hard	One payment method is required.
120411	Hard	Credit card payment is not allowed for this shipment.
120412	Hard	{Description}
120413	Hard	The UPS account number provided as the payment method cannot be billed, please try another account.
120414	Hard	Credit card authorization failed, contact your financial institution
120415	Hard	PaymentInformation/Prepaid/BillShipper /AccountNumber must be the same shipper number as Shipper/ShipperNumber
120416	Hard	A single billing option is required per shipment.
120430	Hard	Missing/Invalid country code of billed third party
120437	Hard	Missing/Invalid PostalCode of payment account
120500	Hard	Missing/Invalid Service/Code
120501	Hard	Invalid Shipment/ReferenceNumber/Value
120502	Hard	InvoiceLineTotal/MonetaryValue must be greater than 0
120503	Hard	Shipment Description cannot exceed the length of 35 characters
120504	Hard	InvoiceLineTotal is not allowed for this shipment
120505	Hard	Saturday Delivery Option cannot be used for this shipment
120506	Hard	Invalid Shipment/ReferenceNumber/ Code

Error Code	Severity	Description
120508	Hard	Missing/Invalid On Call Air pickup date
120510	Hard	Missing/Invalid latest On Call Air pickup time
120511	Hard	Invalid earliest or latest On Call Air pickup time
120512	Hard	Shipment Description is required for this shipment.
120513	Hard	The first Email Address used for {Quantum View notification type} exceeds the maximum length of 50 characters.
120514	Hard	Invalid format for first Email Address used for {Quantum View notification type}
120515	Hard	{ notification type} Memo cannot exceed the length of 150 characters
120516	Hard	The first Email Address used for {Quantum View notification type} is missing or contains invalid characters
120517	Hard	The {order} Email Address used for { notification type} exceeds the maximum length of 50 characters
120518	Hard	The format of the {order} Email Address entered for { notification type} is invalid
120519	Hard	The {order} Email Address entered for { notification type} is missing or contains invalid characters
120520	Hard	For a shipment, the maximum number of Email Addresses allowed for Quantum View Notification is 5
120521	Hard	For a shipment, the maximum number of Memos allowed for {Quantum View notification type} is 1
120522	Hard	Alternate Delivery Time is not valid for any available services
120523	Hard	Shipment/Documents Only is invalid with the shipments origin/destination pair
120524	Hard	Package Pickup Request is not available with this shipments service
120525	Hard	AlternateDeliveryTime error: (Description)
120526	Hard	InvoiceLineTotal/MonetaryValue may not exceed the length of 8
120527	Hard	Cannot use multiple types of currency in a shipment
120528	Hard	A shipment can have only one type of UnitOfMeasurement for Dimensions
120529	Hard	A shipment can have only one type of UnitOfMeasurement for a Weight
120530	Hard	SuiteRoomID length of shipment pickup cannot exceed 8 characters
120531	Hard	FloorID length of shipment pickup cannot exceed 3 characters
120532	Hard	Location length of shipment pickup cannot exceed 11 characters
120533	Hard	The earliest shipment pickup time is required
120534	Hard	The latest shipment pickup time is required
120535	Hard	Contact name of shipment pickup is required
120536	Hard	Contact phone number of shipment pickup is required

Error Code	Severity	Description
120537	Hard	Invalid/Missing the earliest shipment pickup time
120538	Hard	Shipment Pickup Error: (further description is provided in XML)
120539	Hard	InvoiceLineTotal/ MonetaryValue is required and must be a whole number
120540	Hard	On Call Air Pickup is not available for this shipment
120541	Hard	Shipment/ReferenceNumber is not allowed for this shipment
120542	Hard	Package/ReferenceNumber is not allowed for this shipment
120543	Hard	No more than 2 Shipment/ReferenceNumber can be given per shipment
120544	Hard	No more than 2 Package/ReferenceNumber can be given per package
120545	Hard	Shipment/Description is not valid with this shipment
120546	Hard	(UOM Weight) is not a valid unit of measurement for weight for this shipment
120547	Hard	(UOM Dimension) is not a valid unit of measurement for dimensions.
120548	Hard	A shipment cannot have a KGS/IN or LBS/CM as its unit of measurements
120597	Hard	Invalid COD currency code. Please use the destination country currency code.
120598	Hard	Package Delivery Confirmation is not allowed with the shipment origin/destination
120599	Hard	Invalid package Delivery Confirmation type
120600	Hard	Missing Package/PackagingType/Code
120601	Hard	Missing/Invalid Package weight
120602	Hard	Missing/Invalid Combination of package length, width, and height values.
120603	Hard	Invalid Package/Reference/Value
120604	Hard	Invalid package declared value
120605	Hard	Mismatch package dimensions with package type
120606	Hard	Mismatch package dimensions, package type and package weight
120607	Hard	Invalid Package/Reference/Code
120608	Hard	Package weight is required
120609	Hard	All Package Dimensions are required and each must be greater than 0
120610	Hard	Invalid COD monetary value
120611	Hard	The contact name of verbal confirmation cannot exceed a length of 35
120612	Hard	The contact phone number of verbal confirmation cannot exceed the length of 15
120613	Hard	The contact phone number of verbal confirmation must be at least 10 alphanumeric characters
120614	Hard	The contact phone extension of verbal confirmation cannot exceed the length of 4

Error Code	Severity	Description
120615	Hard	The contact phone extension of verbal confirmation must contain numbers only
120616	Hard	Package weight cannot exceed a length of 6
120617	Hard	Package declared value cannot exceed a value of 999
120618	Hard	Contact name is required for verbal confirmation of delivery
120619	Hard	Contact phone number is required for verbal confirmation of delivery
120620	Hard	Package/PackageWeight, Package/DimensionalWeight, Package/OversizePackage and
		Package/Dimensions do not apply to UPS Envelopes
120621	Hard	Package declared value cannot be greater than {Monetary Amount} {Currency Code}
120622	Hard	Package description is required
120623	Hard	Invalid Package description
120624	Hard	Only one package is allowed for this movement.
120626	Hard	The COD Funds Code is invalid. Please check the value entered
120627	Hard	The COD Code is invalid. Please check the value entered
120654	Hard	No more than two email addresses for Receiver Return Notification are allowed in a shipment
120651		Invalid PackageServiceOptions/LabelDelivery/EMailMessage /SubjectCode
120652		Invalid ShipmentServiceOptionsNotification/EMailMessage /SubjectCode
120653		Invalid PackageServiceOptionsNotification/ EMailMessage /SubjectCode
120655	Hard	{Email field} of Receiver Return Notification is only allowed to be specified at the first package.
120658	Hard	Receiver Return Notification is not allowed for the shipment without return service
120659	Hard	ShipmentServiceOptions/ShipmentNotification is not allowed with return service
120660	Hard	ShipmentServiceOptions/ShipmentNotification is not allowed with ShipmentServiceOptions/Notification
120661	Hard	For a shipment, the maximum number of {email field} allowed for Quantum View notification is 1.
120662	Hard	Invalid Subject Code of {Notification type}
120663	Hard	Invalid From name of {Notification type}
120664	Hard	Invalid UndeliverableEMailAddress of {Notification type}
120665	Hard	Invalid FromEMailAddress of {Notification type}
120666	Hard	Missing/Invalid subject text of {Notification type}
120667	Hard	{field} is not allowed in Quantum View Notification
120670	Hard	Shipper Release is not allowed with Return Service
120700	Hard	Missing/Invalid LabelSpecification/ LabelPrintMethod/Code
120701	Hard	Missing/Invalid LabelSpecification/ HTTPUserAgent
120702	Hard	Missing/Invalid LabelSpecification/ LabelImageFormat/Code
120703	Hard	Missing/Invalid Combination of LabelSpecification/ LabelStockSize
120704	Hard	Invalid LabelSpecification/ LabelStockSize/Height

Error Code	Severity	Description
120705	Hard	Invalid LabelSpecification/LabelStockSize/Width
120759	Hard	Invalid MovementReferenceNumber
120760	Hard	Invalid MovementReferenceNumber
120761	Hard	Invalid MovementReferenceNumber
120801	Hard	Address Validation Error on Shipper address
120802	Hard	Address Validation Error on ShipTo address
120803	Hard	Address Validation Error on ShipFrom address
120804	Warning	Address Validation Warning on Shipper address. {Description}
120805	Warning	Address Validation Warning on ShipTo address. {Description}
120806	Warning	Address Validation Warning on ShipFrom address {Description}
120900	Warning	User Id and Shipper Number combination is not eligible to receive Account Based Rates.
120901	Warning	Negotiated Rates are unavailable at this time.
120971	Warning	Your invoice may vary from the displayed reference rates
121005	Hard	The COD option cannot be combined with the Return Services option.
121006	Hard	The COD option cannot be combined with the UPS Import Control option.
121011	Hard	Dangerous Goods cannot be shipped using UPS Import Control.
121015	Hard	The Saturday Delivery option cannot be combined with the Return Services option.
121020	Hard	The Delivery Confirmation option cannot be combined with the Return Services option.
121021	Hard	The Delivery Confirmation option cannot be combined with the UPS Import Control option.
121025	Hard	The maximum declared amount $50,000 is exceeded
121030	Hard	Packages must weigh more than zero pounds.
121031	Hard	Packages must weigh more than zero kilogram
121035	Hard	{description}
121036	Hard	{description}
121041	Hard	The UPS Import Control accessories are unavailable with the requested service.
121045	Hard	The Saturday Delivery option is unavailable with the requested service. The Saturday Delivery option is unavailable with the requested service.
121047	Hard	Saturday Delivery may not be combined with the package type for the given product.
121050	Hard	Package exceeds the maximum size total constraints { description}
121055	Hard	Package exceeds the maximum length constraint of {description} inches. .
121056	Hard	Package exceeds the maximum length constraint of {description} cm.
121057	Hard	The measurement system is not valid
121063	Hard	Accessorial cannot be shipped with the selected service.
121070	Hard	{Rating error description}.
121085	Hard	The requested accessory cannot be added to the shipment.
121090	Hard	{Rating error description}

Error Code	Severity	Description
121091	Hard	{Rating error description}
121100	Hard	The selected services invalid for the shipment origin.
121105	Hard	The given accessory key is invalid for the shipment origin.
121106	Hard	The specified country, origin or destination, is not supported.
121107	Hard	A blank origin postal was specified.
121109	Hard	The Delivery Area Surcharge Tier looked up is invalid
121115	Hard	The COD amount must be greater than zero
121120	Hard	The COD amount cannot exceed $1,000 when a cashiers check or money order is requested.
121121	Hard	The COD value entered exceeds the maximum allowed for cash of {amount} ({currency code})
121125	Hard	The COD amount cannot exceed $50,000.
121126	Hard	The COD value entered exceeds the maximum allowed for check of {amount} ({currency code})
121131	Hard	The Saturday Pickup option cannot be combined with the UPS Import Control option.
121135	Hard	The Saturday Pickup option cannot be combined with the Saturday Delivery option.
121140	Hard	Saturday Pickup is unavailable with the selected service.
121150	Hard	Delivery confirmation is unavailable with the selected service.
121155	Hard	The COD option is unavailable with the selected service, UPS account type, and/or with the shipments origin/destination pair.
121156	Hard	Package Level COD is not valid for the shipment origin and/or destination
121160	Hard	The accessory is invalid with the billing option.
121166	Hard	The Verbal Confirmation of Delivery option cannot be combined with the UPS Import Control option.
121170	Hard	The Delivery Confirmation option cannot be combined with the Verbal Confirmation of Delivery option.
121175	Hard	Verbal Confirmation of Delivery is unavailable with the selected service.
121180	Hard	Consignee Billing is unavailable with the selected service.
121182	Hard	The payer's transportation country is not valid for carbon neutral shipments.
121185	Hard	The selected service is unavailable to the desired country
121195	Hard	The selected billing option is unavailable with the selected service.
121196	Hard	The selected billing option is unavailable with UPS Letters.
121200	Hard	Saturday Delivery is unavailable to desired destination.
121205	Hard	Additional Handling is unavailable with the selected service.
121206	Hard	Additional Handling is unavailable with UPS Letters.
121208	Hard	UPS Next Day Air Early A.M. service is not available to the requested destination. Please select UPS Next Day Air service as an alternative.
121210	Hard	The selected service is not available from the origin to the destination.
121211	Hard	Rating Error: (Description)

Error Code	Severity	Description
121212	Hard	{Rating error description}
121213	Hard	{Rating error description}
121214	Hard	UPS cannot ship from the origin country to the destination country
121215	Hard	The selected service is not available to residential destinations.
121230	Hard	Next Day Air Early AM Surcharge is unavailable with the selected service.
121231	Hard	Switzerland Domestic Container must weigh greater than 2 KG
121232	Hard	Worldwide Express Plus from Europe to Switzerland must be UPS Envelope or document only
121235	Hard	{rating error description}
121245	Hard	Saturday Pickup and Shipper Duty Fees cannot be applied to the same package.
121250	Hard	Saturday Delivery and Shipper Duty Fees cannot be applied to the same package.
121255	Hard	Shipper Duty Fee is unavailable with the selected service.
121260	Hard	Shipper Duty Fee is unavailable with the selected billing option.
121261	Hard	Accessory may not be combined with the product.
121262	Hard	Accessory may not be combined with the accessory.
121265	Hard	The selected billing option is unavailable to the desired country.
121266	Hard	The currency code is invalid for the shipment.
121267	Hard	The Ship From Country is invalid for the credit card.
121268	Hard	The Billing address Country is invalid for the credit card.
121285	Hard	{Rating error description}
121286	Hard	{Rating error description}
121290	Hard	The given billing option is invalid
121295	Hard	{Rating error description}
121300	Hard	Shipper Pays Duty - Tax Unpaid is unavailable with the selected accessorial.
121305	Hard	Shipper Pays Duty - Tax Unpaid is unavailable with the selected service.
121310	Hard	Shipper Pays Duty - Tax Unpaid is unavailable with the selected billing option.
121315	Hard	The Authorized Return Service is unavailable with the selected accessorial.
121317	Hard	The UPS Import Control option is unavailable with the selected accessory.
121320	Hard	The Authorized Return Service is unavailable with the selected service.
121325	Hard	The Authorized Return Service is unavailable with the selected billing option.
121330	Hard	The Certificate of Origin is unavailable with the selected accessorial.
121335	Hard	The Certificate of Origin is unavailable with the selected service.
121340	Hard	The Certificate of Origin is unavailable with the selected billing option.
121345	Hard	The Shipper Export Declaration is unavailable with the selected accessorial.

Error Code	Severity	Description
121350	Hard	The Shipper Export Declaration is unavailable with the selected service.
121355	Hard	The Shipper Export Declaration is unavailable with the selected billing option.
121360	Hard	The Worldwide Express Plus Surcharge is unavailable with the selected service.
121363	Hard	The One Time Pickup Surcharge is unavailable with the selected service.
121365	Hard	Accessorial is not available with the selected access method.
121370	Hard	Invalid access method.
121375	Hard	Letter service is invalid for shipments with more than 1 package. International shipment cannot be made with multiple 10KG or 25KG packages
121452	Hard	An Import Control option and a Return Service option are not valid on the same shipment.
121453		Hundredweight is not valid with Return Service options
121460	Hard	Shipments cannot exceed a COD amount of $5,000 when requesting a cashiers check or money order.
121500	Hard	{Rating error description}
121501	Hard	{Rating error Description}
121502	Hard	The selected country does not allow forward movements.
121510	Hard	Unsupported package type.
121511	Hard	Unsupported accessory type
121512	Hard	Unsupported billing option
121513	Hard	Unsupported service
121515	Warning	Weight of (actual weight) exceeds maximum for rating the requested container. Using standard package rates
121520	Hard	The UPS account number specified for Transportation charges is invalid for Split Duty VAT shipment.
121521	Hard	Invalid payer of Duty and Tax
121522	Hard	The payment information must be the same for both Transportation charges and Duty and Tax charges
		when Bill to Shipper or Bill to Receiver is specified as the payer.
121523	Hard	Invalid GoodsNotInFreeCirculationIndicator
121524	Warning	The payer of Duty and Tax charges is not required for UPS Letter, Documents of No Commercial Value or Qualified Domestic Shipments.
121526	Hard	The payment method specified for Transportation charges is invalid for return service.
121527	Hard	The payer of Transportation charges is required.
121528	Hard	Missing or invalid ItemizedPaymentInformation /ShipmentCharge/Type
121529	Hard	A single payment method is required per shipment charge.
121530	Hard	The payer of Duty and Tax charges is required.
121531	Hard	Invalid SplitDutyVATIndicator
121532	Hard	The payer of Duty and Tax charges is invalid for Split Duty VAT shipment.
121534	Hard	The payer of Transportation charges and the payer of Duty and

Error Code	Severity	Description
		Tax charges must not be the same for
		Split Duty VAT shipment.
121535	Hard	The payer of Transportation charges is invalid for Split Duty VAT shipment.
121536	Hard	Bill Receiver is an invalid payer of an international return movement.
121537	Hard	A payer is required when specifying a shipment charge.
121538	Hard	For a domestic return movement, the payer of the freight must be in the country of the return movement.
121539	Hard	For an EU return movement, the payer of the freight must be in an EU country.
121565	Hard	The UPS Returns Flexible Access option is unavailable with the requested accessory.
121570	Hard	The UPS Returns Flexible Access option is available only with Return Services Print Mail, Electronic Return Label, and Print Return Label.
121575	Hard	The UPS Returns Flexible Access option is unavailable with Additional Handling.
121580	Hard	The UPS Returns Flexible Access option is unavailable with Large Package.
121585	Hard	The UPS Returns Flexible Access option is available for US and Puerto Rico shippers only.
121590	Hard	The maximum per package weight for the UPS Returns Flexible Access option is ...
121595	Hard	The maximum length (the longest side) of a UPS Returns Flexible Access package is ...
121600	Hard	The maximum length of the second-longest side of a UPS Returns Flexible Access package is ...
121605	Hard	The maximum total size constraint (length + girth, where girth is 2 x width plus 2 x height) of a UPS Returns Flexible Access package is ...
121610	Hard	The maximum declared value amount for the UPS Returns Flexible Access option is ...
121615	Hard	All packages in the shipment must have the UPS Returns Flexible Access option if 1 package has it.
121780	Hard	Commercial Invoice Removal is valid only for Import Control shipments.
121801	Hard	The country selected for transportation charges does not allow for Third Party payment option.
121802	Hard	The country selected for duty/taxes charges does not allow for Third Party payment option.
123005	Warning	(Description)
123010	Warning	Package(s) in this shipment contains a warning: (Description)
123020	Warning	Invalid Ship From postal code
123021	Warning	Invalid Ship To postal code
124022	Hard	'Invalid number of shipment level notifications
123060	Warning	The weight exceeds the limit for the UPS Letter/Envelope rate and will be rated using the weight
125000	Hard	Missing or invalid shipment digest.

Error Code	Severity	Description
128001	Hard	Invalid or missing international forms form type. Valid values are 01, 02, 03 or 04
128002	Hard	Invalid or missing forward agent company name. Valid length is 1 to 35 alphanumeric
128003	Hard	Invalid or missing forward agent tax id. Valid length is 1 to 15 alphanumeric
128004	Hard	Invalid or missing forward agent address line 1. Valid length is 1 to 35 alphanumeric
128005	Hard	Invalid forward agent address line 2. Valid length is 0 to 35 alphanumeric
128006	Hard	Invalid forward agent address line 3. Valid length is 0 to 35 alphanumeric
128007	Hard	Invalid or missing forward agent city. Valid length is 1 to 30 alphanumeric
128008	Hard	Invalid forward agent state province code. Valid length is 0 to 5 alphanumeric
128009	Hard	Invalid forward agent postal code. Valid length is 0 to 9 alphanumeric
128010	Hard	Invalid or missing forward agent country code
128011	Hard	Invalid or missing ultimate consignee company name. Valid length is 1 to 35 alphanumeric
128012	Hard	Invalid or missing ultimate consignee addressLine1. Valid length is 1 to 35 alphanumeric
128013	Hard	Invalid ultimate consignee address line 2. Valid length is 0 to 35 alphanumeric
128014	Hard	Invalid ultimate consignee address line 3. Valid length is 0 to 35 alphanumeric
128015	Hard	Invalid or missing ultimate consignee city. Valid length is 1 to 30 alphanumeric
128016	Hard	Invalid ultimate consignee state province code. Valid length is 0 to 5 alphanumeric
128017	Hard	Invalid ultimate consignee postal code. Valid length is 0 to 9 alphanumeric
128018	Hard	Invalid or missing ultimate consignee country code
128019	Hard	Invalid or missing intermediate consignee company name. Valid length is 1 to 35 alphanumeric
128020	Hard	Invalid or missing intermediate consignee address line 1. Valid length is 1 to 35 alphanumeric
128021	Hard	Invalid intermediate consignee address line 2. Valid length is 0 to 35 alphanumeric
128022	Hard	Invalid intermediate consignee address line 3. Valid length is 0 to 35 alphanumeric
128023	Hard	Invalid or missing intermediate consignee city. Valid length is 1 to 30 alphanumeric
128024	Hard	Invalid intermediate consignee state province code. Valid length is 0 to 5 alphanumeric
128025	Hard	Invalid intermediate consignee postal code. Valid length is 0 to 9 alphanumeric
128026	Hard	Invalid or missing intermediate consignee country code
128027	Hard	Invalid or missing producer option. Valid values are 01, 02, 03 or 04
128028	Hard	Invalid or missing producer company name. Valid length is 1 to 35

Error Code	Severity	Description
		alphanumeric
128029	Hard	Invalid or missing producer address line 1. Valid length is 1 to 35 alphanumeric
128030	Hard	Invalid producer address line 2. Valid length is 0 to 35 alphanumeric
128031	Hard	Invalid producer address line 3. Valid length is 0 to 35 alphanumeric
128032	Hard	Invalid or missing producer city. Valid length is 1 to 30 alphanumeric
128033	Hard	Invalid producer state province code. Valid length is 0 to 5 alphanumeric
128034	Hard	Invalid producer postal code. Valid length is 0 to 9 alphanumeric
128035	Hard	Invalid or missing producer country code
128036	Hard	Invalid telephone number.
128030	Hard	Invalid producer email address. Valid length is 0 to 50 alphanumeric
128030	Hard	Invalid producer tax id. Valid length is 0 to 15 alphanumeric
128039	Hard	Invalid number of products. Valid number of products are 1 to 50
128041	Hard	The form specified for the product must be one of the requested form.
128042	Hard	If invoice is a requested international form, all specified products must belong to invoice
128043	Hard	Invalid or missing product unit number for product number {0}. Valid length is 1 to 7 numeric
128044	Hard	Invalid or missing Product/Unit/UnitOfMeasurement/Code for product number {0}. Valid length is 1 to 3 alphanumeric
128045	Hard	Product/Unit/UnitOfMeasurement/Description is required when Product/Unit/UnitOfMeasurement/Code is ""OTH"" for product number {0}. Valid length is 1 to 3 alphanumeric
128046	Hard	Invalid or missing product unit value for product number {0}. Valid length is 1 to 12 numeric and it can hold up to 6 decimal places
128047	Hard	Invalid part number. Valid length is 0 to 10 alphanumeric
128048	Hard	Invalid commodity code for product number {0}. Valid length is 6 to 15 alphanumeric
128049	Hard	Invalid or missing product origin country code for product number {0}
128050	Hard	Invalid or missing net cost code for product number {0}. Valid values are NC or NO
128051	Hard	Invalid or missing net cost date range begin date for product number {0}. Valid format is yyyyMMdd
128052	Hard	Invalid or missing net cost date range end date for product number {0}. Valid format is yyyyMMdd
128053	Hard	Invalid or missing preference criteria for product number {0}. Valid values are A through F
128054	Hard	Invalid or missing producer info for product number {0}. Valid values are YES, NO[1], NO[2] or NO[3]
128055	Hard	Invalid or missing marks and numbers for product number {0}. Valid length is 1 to 35 alphanumeric
128056	Hard	Invalid or missing product weight unit of measurement code for product number {0}. Valid values are KGS or LBS
128057	Hard	Invalid or missing product weight for product number {0}. Valid length is 1 to 5 and it can hold up to 1 decimal places.
128058	Hard	Invalid product vehicle ID for product number {0}. Valid length is 1 to 25 alphanumeric
128059	Hard	Invalid or missing product schedule B number for product number {0}.

Error Code	Severity	Description
		Valid length is 10 alphanumeric
128060	Hard	Invalid product schedule B quantity for product number {0}. Valid length is 0 to 10 numeric
128061	Hard	Invalid or missing product schedule B unit of measurement code for product number {0}. Valid length is 1 to 3 alphanumeric
128062	Hard	Schedule B quantity is required when the schedule B unit of measurement code is not equal to X
128063	Hard	Invalid or missing export type for product number {0}. Valid values are D, F or M
128064	Hard	Invalid or missing SED total value for product number {0}. Valid length is 1 to 15 numeric and can hold up to 2 decimal places
128065	Hard	Invalid invoice number. Valid length is 0 to 35 alphanumeric
128066	Hard	Invalid or missing invoice date. Valid format is yyyyMMdd
128067	Hard	Invalid purchase order number. Valid length is 0 to 35 alphanumeric
128068	Hard	Invalid terms of shipment.
128069	Hard	Invalid or missing reason for export. Valid length is 1 to 20 alphanumeric
128070	Hard	Invalid additional comments. Valid length is 0 to 150 alphanumeric
128071	Hard	Invalid declaration statement. Valid length is 0 to 250 alphanumeric
128072	Hard	Invalid discount monetary value. Valid length is 0 to 15 numeric and can hold up to 2 decimal places. Discount can not be greater than the invoice line total.
128073	Hard	Invalid freight charges monetary value. Valid length is 0 to 15 numeric and can hold up to 2 decimal places.
128074	Hard	Invalid other charges monetary value. Valid length is 0 to 15 numeric and can hold up to 2 decimal places.
128075	Hard	Invalid or missing other charges description. Valid length is 1 to 10 alphanumeric
128076	Hard	Invalid or missing blanket period begin date. Valid format is yyyyMMdd
128077	Hard	Invalid or missing blanket period end date. Valid format is yyyyMMdd
128078	Hard	Invalid or missing export date. Valid format is yyyyMMdd
128079	Hard	Invalid or missing export carrier. Valid length is 1 to 35 alphanumeric
128080	Hard	Invalid carrier ID. Valid length is 0 to 2 alphanumeric
128081	Hard	Invalid or missing in bond code. Valid length is 2 alphanumeric
128082	Hard	Entry number is required when the in bond code is other than 70. Valid Length is 1 to 25 alpha numeric
128083	Hard	Invalid or missing point of origin. Valid length is 1 to 5 alphanumeric
128084	Hard	Invalid or missing mode of transport. Valid length is 1 to 35 alphanumeric
128085	Hard	Invalid port of export. Valid length is 0 to 35 alphanumeric
128086	Hard	Invalid port of unloading. Valid length is 0 to 35 alphanumeric
128087	Hard	Invalid loading pier. Valid length is 0 to 35 alphanumeric
128088	Hard	Invalid or missing parties to transaction. Valid values are R or N
128089	Hard	Invalid license number. Valid length is 0 to 35 alphanumeric
128090	Hard	Invalid or missing license date. Valid format is yyyyMMdd
128091	Hard	Invalid license exception code. Valid length is 0 to 4 alphanumeric
128092	Hard	Either license number or license exception code must be present for a

Error Code	Severity	Description
		SED form.
128093	Hard	Invalid ECCN number code. Valid length is 1 to 8 alphanumeric
128094	Hard	Sold to information is required when an invoice or NAFTA CO is requested.
128095	Hard	Invalid or missing sold to company name. Valid length is 1 to 35 alphanumeric
128096	Hard	Invalid or missing sold to address line 1. Valid length is 1 to 35 alphanumeric
128097	Hard	Invalid sold to address line 2. Valid length is 0 to 35 alphanumeric
128098	Hard	Invalid sold to address line 3. Valid length is 0 to 35 alphanumeric
128099	Hard	Invalid or missing sold to city. Valid length is 1 to 30 alphanumeric
128100	Hard	Invalid sold to state province code. Valid length is 0 to 5 alphanumeric
128101	Hard	Invalid sold to postal code. Valid length is 0 to 9 alphanumeric
128102	Hard	Invalid or missing sold to country code
128103	Hard	The selected international form is not valid for the shipment origin country
128104	Hard	The selected international form is not valid for the shipment origin and product origin combination.
128105	Hard	The selected international form is not valid for the shipment origin and destination countries
128109	Hard	Invalid or missing sold to attention name. Valid value is 1 to 35 alphanumeric
128110	Hard	Invalid sold to option. Valid values are 01 or 02
128111	Hard	Commodity code is required for NAFTA CO
128112	Hard	Invalid insurance monetary value. Valid length is 0 to 15 numeric and can hold up to 2 decimal places.
128113	Hard	Invalid product description for product number {0}. Product description should be present at least once. Valid range is 0 to 35 alphanumeric
128114	Hard	Invalid or missing currency code. Valid length is 3 alphanumeric.
128115	Hard	Invalid or missing sold to phone number. Valid length is 1 to 15 alphanumeric.
128116	Hard	Invalid sold to tax identification number. Valid length is 1 to 15 alphanumeric.
128117	Hard	Invalid or missing Shipper tax identification.
128118	Hard	Invalid license information. Either license number and license date or license exception code and ECCN number must be present. Both the combinations can not be present together.
128119	Hard	Invalid or missing product NumberOfPackagesPerCommodity. Valid length is 1-3 Numerics.
128120	Hard	Origin country must be different than destination country.
128121	Hard	Missing value of other unit of measurement.
128122	Hard	Invalid net cost date range.
128123	Hard	Invoice cannot be requested for non-document forward shipments.
128124	Hard	Invalid blanket period.
128125	Hard	Invalid or missing ShipFrom tax identification.
128126	Hard	Invalid or missing SED filing option. SED filing option is required when SED form is requested. Valid values are 01 and 02.

Error Code	Severity	Description
128201	Hard	Invalid or missing international forms form type for shipment with return service. Valid value is 01 or 05.
128202	Hard	International forms can not be requested for letters or documents.
128203	Hard	Duplicate contact information
128204	Hard	Invalid form group id name. valid range is 0 to 50 alphanumeric
128205	Hard	Duplicate International FormType Information. valid values are 01, 02, 03, 04
128210	Hard	Invalid combination of international forms. Both partial and complete invoice form cannot be selected together.
128211	Hard	Invalid Email Address
128212	Hard	Invalid or missing ShipTo tax identification.
128213	Hard	Invalid or missing producer attention name. Valid value is 1 to 35 alphanumeric
128214	Hard	Invalid telephone extension. Valid length is 1 to 4 alphanumeric.
128215	Hard	Invalid telephone extension. Valid length is 1 to 4 alphanumeric.
128216	Hard	Invalid or missing international forms form type for ExcludeFromForm. Valid values are 04.
128217	Hard	A NAFTA Certificate of Origin must have at least one commodity in a request.
128218	Hard	A Commercial Invoice must have at least one commodity in a request.
128219	Hard	A Blanket Period can not exceed 365 days.
128220	Hard	The Total Product units allocated to packages do not match.
128221	Hard	Product not associated with a package.
128222	Hard	Invalid number of products. The valid number of products is 1 to 1000.
128223	Hard	Invalid or missing DocumentID.
128224	Hard	Invalid or missing Product Currency Code.
128225	Hard	Invalid or missing Invoice Line Total.
128226	Hard	Exceeds maximum number of International Forms (13) allowed per Shipment.
128227	Hard	Invalid or missing Package Number (Product is selected to be placed in a Package that does not exist).
128228	Hard	Invalid or missing Product number.
128229	Hard	Invalid or missing packing list info.
128230	Hard	Invalid or missing package associated data.
128231	Hard	Invalid Product Id.
128232	Hard	Exceeds the maximum number of packages allowed for the packing list
128233	Hard	User generated forms size exceeds total allowable limit for shipment of 5MB.
128234	Hard	Invalid or missing Shipper Memo.
128235	Hard	Invalid PackageInfo object.
128236	Hard	Invalid or missing Tracking Number.
128237	Hard	No form data found for given formsGroupID.
128238	Hard	No PDF found for given documentId.
128239	Hard	Exceeds maximum number of Document IDs (13) allowed per Shipment.
128240	Hard	Invalid or missing User Created Form Data.
128241	Hard	A shipment can only contain one Commercial Invoice.

Error Code	Severity	Description
129001	Warning	Additional Handling has automatically been set on Package (index of the package).
129002	Warning	An Extended Area Surcharge of (monetary value) has been added to the service cost.
129003	Warning	{Rating error description}
129004	Warning	{Rating error description}
129005	Warning	{Rating error description}
129006	Warning	{Rating error description}
129017	Warning	{Rating error description} .
129018	Warning	{Rating error description} .
129019	Hard	{Rating error description}
129021	Hard	Both Security code and Billing address are required if credit card information is provided. If security code or billing address is provided both of them should be provided
129022	Hard	This credit card has been locked due to multiple unsuccessful validation attempts. Please use another credit card to continue or try again later.
129023	Hard	Line Origin Country is missing or invalid
129024	Hard	Invoice Line Total is missing or invalid
129025	Hard	Invoice subtotal is missing or invalid
129026	Hard	Reason for export is missing or invalid
129027	Hard	Invoice line number is missing or invalid
129028	Hard	Line Unit Amount Price is missing or invalid
129029	Hard	Commodity quantity is missing or invalid
129030	Hard	Commodity unit of measure is missing or invalid
129031	Hard	Merchandise description1 is missing or invalid
129032	Hard	Merchandise description2 is missing or invalid
129033	Hard	Merchandise description3 is missing or invalid
129034	Hard	Total Amount is missing or invalid
129035	Hard	PO number missing or invalid
129036	Hard	Terms of shipment is missing or invalid
129037	Hard	Freight Charges is missing or invalid
129038	Hard	Insurance is missing or invalid
129039	Hard	Discount is missing or invalid
129040	Hard	Other charges is missing or invalid
129041	Hard	Commodity code is missing or invalid
129042	Hard	Commodity part number is missing or invalid
129043	Hard	Invoice number is missing or invalid
129044	Hard	Commodity currency code is missing or invalid
129045	Hard	Commodity comments is missing or invalid
129046	Hard	Missing credit card billing address line 1
129048	Hard	Missing credit card billing address city
129049	Hard	Missing credit card billing address state province code

Error Code	Severity	Description
129050	Hard	Missing credit card billing address postal code
129051	Hard	Missing credit card billing address country code
129057	Hard	Location ID may not exceed the length of 10
129058	Hard	Shipper Number {0} does not support pallet Contract Service.
129059	Hard	Shipper Number {0} does not support Third Country Contract Service.
129070	Warning	{Rating error description}
129076	Hard	Pallets may not be included with other package types.
129077	Warning	A dimensional surcharge has been added to pallet {0}.
129078	Hard	The maximum dimensions for a pallet are 200 cm by 160 cm by 120 cm.
129079	Hard	The requested service is not valid with pallets with a weight greater than 1000kg. Please select Dedicated Package Courier Same Day Service.
129080	Hard	Pallet {0} exceeds maximum width.
129081	Hard	Pallet {0} exceeds maximum height.
129082	Hard	Pallet {0} exceeds maximum length.
129083	Hard	Pallet {0} exceeds maximum weight.
129085	Hard	Cannot combine declared value and shipper declared value in a shipment.
129086	Hard	GNIFC is not valid for Letters/Envelopes and documents with no commercial value.
129087	Hard	Invalid Shipment Delivery Confirmation Type
129088	Hard	Package Delivery Confirmation DCISNumber may not exceed a length of 11.
129090	Hard	Only future date pickup is available for pickup requests for the requested origin and destination and selected service
129171	Hard	For Import Control movements, BILL RECEIVER is not a valid payer.
129172	Hard	Credit card is not a valid payment method for Import Control
129173	Hard	The following SED filing options are not valid with Import Control shipments: AES Filing Option 2, AES Filing Option 4 and UPS Prepare SED
129174	Hard	A package with a Import Control accessory must have a Merchandise Description.
129175	Hard	Invalid Import Control shipment.
129176	Hard	Either LabelDelivery Email or LabelLinksIndicator must be provided for this shipment.
129177	Hard	LabelMethod is not valid for this shipment.
129180	Hard	Missing or Invalid LabelMethod type for ImportControl shipment.
129200	Hard	Unable to retrieve Mailer ID from UPS Internet Membership Services system.
129201	Hard	Account is not authorized for UPS Returns Flexible Access service.
129202	Hard	Account is only authorized for UPS Returns Flexible Access service in test mode.
129203	Hard	Account is not authorized for UPS Exchange service

Error Code	Severity	Description
129204	Hard	Account is not authorized for UPS Pack and Collect service
126086	Hard	PreAlertNotification Phone Number is missing
126087	Hard	PreAlert Notification Phone Number may not exceed length of 15
126088	Hard	PreAlertNotification Dialect length must be less than or equal to 2
126089	Hard	PreAlertNotification Language-Dialect Pair not valid
126090	Hard	Pre-alert notification is valid only with UPS Returns Exchange and UPS Returns Pack and Collect shipments
126091	Hard	Notification Language is missing
126092	Hard	Notification Dialect is missing
126093	Hard	Notification Language must be less than or equal to 3
126094	Hard	Missing/Invalid Label Instruction Code
126095	Hard	Invalid set of Label Instruction Codes
126096	Hard	At least one rate information either negotiated rates or rate chart indicator is required.
126097	Hard	LabelSpecification/Instruction is not allowed with the shipment
124998	Hard	ReceiptSpecification applies only for PRL or Exchange Return Receipt.
124999	Hard	Invalid ImageFormat code
9126005	Hard	DryIce DryIceWeight Weight is absent or doesn't meet specification.
9126007	Hard	DryIce DryIceWeight UnitOfMeasurment Code has invalid value.
9126044	Hard	DryIce Regulation is required or has invalid value.
126000	Hard	Shipper is not eligible to ship Dry Ice.
126008	Hard	All packages with DryIce RegulationSet must contain the same Regulation Set.
126009	Hard	DryIce RegulationSet for non-US PR origins destinations should be IATA.
126010	Hard	DryIce DryIceWeight Weight cannot be larger than package weight.
126077	Hard	Number of DryIce items per Package is greater than 1.
126078	Hard	DryIce item cannot exist on the same package as another HazMat.
128216	Hard	Invalid or missing international forms form type for ExcludeFromForm. Valid values are 04.
128217	Hard	A NAFTA Certificate of Origin must have at least one commodity in the request.
128218	Hard	A Commercial Invoice must have at least one commodity in the request.
126098	Warning	Account authentication is required to be completed to get negotiated rates.
126099	Warning	Credit Card is the only valid payment method for this type of account.
120910	Warning	TPFCNegotiatedRatesIndicator is applicable only for Third party/Freight Collect shipments.
120911	Warning	Shipper not authorized to request for the Third Party/Freight Collect negotiated rates for this shipment.
9126004	Hard	PackageServiceOption HazMat Quantity is absent or doesn't meet specification.
9126006	Hard	PackageServiceOption HazMat TransportationMode has invalid value.
9126030	Hard	PackageServiceOption HazMat Regulation required or has invalid value.
126001	Hard	Shipper is not eligible to ship Hazardous Material / International

Error Code	Severity	Description
		Dangerous Goods.
126004	Hard	HazMat Quantity is absent or doesn't meet specification.
126006	Hard	HazMat TransportationMode has invalid value.
126011	Hard	Package/HazMatPackageInformation required with either AllPackedInOneIndicator/OverPackedIndicator values.
126032	Hard	HazMat ClassDivisionNumber is required.
126033	Hard	HazMat ClassDivisionNumber exceeds maximum length of 7 characters.
126034	Hard	HazMat ClassDivisionNumber violates datatype. Only ASCII allowed.
126035	Hard	HazMat Quantity is required.
126036	Hard	HazMat Quantity exceeds maximum value.
126038	Hard	HazMat UOM not set or invalid.
126039	Hard	HazMat UOM value exceeds maximum length of 10 characters.
126040	Hard	HazMat UOM violates datatype only ASCII allowed.
126041	Hard	HazMat ProperShippingName is required and not set.
126042	Hard	HazMat ProperShippingName exceeds maximum length of 150 characters.
126043	Hard	HazMat ProperShippingName violates datatype only ASCII allowed.
126045	Hard	HazMat ReferenceNumber exceeds maximum of 15 characters.
126046	Hard	HazMat ReferenceNumber violates datatype only ASCII allowed.
126047	Hard	HazMat ReportableQuantity exceeds maximum length of 2 characters.
126048	Hard	HazMat ReportableQuantity violates datatype only ASCII allowed.
126051	Hard	HazMat IDNumber Number exceeds maximum length of 6 characters.
126052	Hard	HazMat IDNumber Number violates datatype only ASCII allowed.
126055	Hard	HazMat PackagingGroupType exceeds maximum length of 5 characters.
126056	Hard	HazMat PackagingGroupType violates datatype only ASCII allowed.
126059	Hard	HazMat PackagingInstructionCode is Required.
126060	Hard	HazMat PackagingInstructionCode exceeds maximum length of 4 characters.
126061	Hard	HazMat PackagingInstructionCode violates datatype only ASCII allowed.
126062	Hard	HazMat TransportationMode exceeds maximum length of 30 characters.
126063	Hard	HazMat TransportationMode violates datatype only ASCII allowed.
126064	Hard	HazMat EmergencyPhone required since Regulation Set is TDG
126065	Hard	HazMat EmergencyPhone Number exceeds maximum length of 25 characters.
126066	Hard	HazMat EmergencyPhone Number violates datatype only ASCII allowed.
126069	Hard	HazMat AdditionalDescription Info exceeds maximum length of 255 characters.
126070	Hard	HazMat AdditionalDescription Info violates datatype only ASCII allowed.
126071	Hard	HazMat PackagingType is required.
126072	Hard	HazMat PackagingType exceeds maximum length of 255 characters.
126073	Hard	HazMat PackagingType violates datatype only ASCII allowed.

Error Code	Severity	Description
126076	Hard	Number of HazMat entities per package cannot be greater than 3.
126079	Hard	HazMat EmergencyContact Information is required for this shipment
126080	Hard	HazMat EmergencyContact Information exceeds maximum length of 35 characters.
126081	Hard	HazMat EmergencyContact Information violates datatype only ASCII allowed.
126082	Hard	Package HazMatPackageInformation AllPackedInOneIndicator is optional.
126083	Hard	Package HazMatPackageInformation OverpackedIndicator is optional.
126084	Hard	Package HazMatPackageInformation QValue must exist with RegulationSet IATA when AllPackedInOneIndicator present.
126085	Hard	HazMatPackageInformation QValue must be decimal value with one significant digit.
120444	Hard	Invalid Bill-To type
120026	Hard	Lift Gate Accessorial for Pick Up and Delivery are not allowed when both Hold For Pick Up and Drop off At UPS Facility is requested.
120027	Hard	Lift Gate for Pick Up accessorial is not allowed with Drop Off At UPS Facility accessorial.
120028	Hard	Lift Gate for Delivery accessorial is not allowed with Hold For Pick Up accessorial.
120029	Hard	World Wide Express Freight Shipment Service Option is not available for Return Shipments.
120030	Hard	Missing or Invalid Total Number of Pieces in all Pallets in a Shipment.
120031	Hard	Exceeds Total Number of allowed pieces per World Wide Express Shipment.
120032	Hard	The maximum dimensions for a pallet are ({0}) cm by ({1}) cm by ({2}) cm for the selected origin.
120033	Hard	The maximum dimensions for a pallet are ({0}) in by ({1}) in by ({2}) in for the selected origin.
120034	Hard	The maximum dimensions for a pallet are ({0}) cm by ({1}) cm by ({2}) cm for the selected destination.
120035	Hard	The maximum dimensions for a pallet are ({0}) in by ({1}) in by ({2}) in for the selected destination.
120036	Warning	Please contact customer service center for capacity authorization.
120037	Hard	Shipment total weight has exceeded the maximum shipment weight limit of 99,999.9 kgs or 99,999.9 pounds.
120041	Hard	The maximum per pallet weight for the selected service from the selected origin is ({0}) pounds.
120042	Hard	The maximum per pallet weight for the selected service from the selected origin is ({0}) kgs.
120043	Hard	The maximum per pallet weight for the selected service to the selected destination is ({0}) pounds.
120044	Hard	The maximum per pallet weight for the selected service to the selected destination is ({0}) kgs.
128255	Hard	Air Freight Packing List and Small Package Packing List are not allowed together in same shipment.
120062	Hard	The requested billing option is unavailable with the selected packaging.

Appendix C - Void Error Codes

To discover errors, check the ResponseStatusCode element. A "1" normally indicates a successful response, whereas a "0"
indicates an error, either Transient or Hard. When an error occurs there will also be an error code, and an error description.

☐ Success – Successful responses may or may not include **Warnings**.
- (without warnings) Request is processed as anticipated by the client.
- (with warnings) *Warning* messages indicate that UPS was able to process the request; however (potentially) unanticipated results have also occurred. The warning contains information in the response that should be passed to the end user.

☐ Errors – will return two different levels of severity.
- *Transient* errors are temporary errors, due to temporary high server loads or scheduled maintenance, for example. The application may re-issue the request at a later time.
- *Hard* errors indicate that an error existed in the request that UPS could not resolve. These errors are critical and prevent requests from processing.

Applications should not re-issue requests with hard errors without first correcting the error.
The following table lists the errors that UPS may return in response to a request.

Error Code	Severity	Description
10001	Hard	The XML document is not well formed
10002	Hard	The XML document is well formed but the document is not valid
190001	Transient	Void not available at this time
190002	Transient	Invalid/Missing registration ID
190100	Hard	Invalid ShipmentIdentificationNumber.
190101	Hard	Time for voiding has expired.
190102	Hard	No shipment found within the allowed void period
190103	Hard	The Pickup Request associated with this shipment has already been completed
190104	Hard	Return shipments cannot be voided.
190105	Hard	Pickup Cancellation is not Available on this Pickup Request
190106	Hard	Pickup Cancellation is not Available on this Pickup Request
190107	Hard	The Pickup Request associated with this shipment has previously been canceled
190108	Hard	The Pickup Request associated with this shipment cannot be canceled
190109	Hard	Invalid TrackingNumber
190110	Hard	Invalid Void Package {0}
190111	Hard	Package Void Limit Exceeded
190112	Hard	Return Service Shipments cannot be Voided at the Package Level
190113	Hard	International Shipments cannot be Voided at the Package Level
190114	Hard	Invalid Return Service Void Date
190115	Hard	Invalid Void Date

190116	Hard	A Label cannot be generated for a voided Return Service Shipment
190117	Hard	The Shipment has already been voided
190118	Hard	Same Day Service Void Not Allowed.
190119	Warning	The requested Void was successful, but the associated Pickup was not Cancelled
190121	Hard	None of the submitted packages were voided
190122	Hard	Package(s) {0} selected to void is(are) invalid
190124	Hard	Import Control Shipment cannot be voided later than 3 am of the day after the shipment uploaded.
190125	Hard	Import Control Shipments does not allow package void in a shipment

Appendix D - Label Recovery Error Codes

To discover errors, check the ResponseStatusCode element. A "1" normally indicates a successful response, whereas a "0" indicates an error, either Transient or Hard. When an error occurs there will also be an error code, and an error description.

Success – Successful responses may or may not include **Warnings**.
- (without warnings) Request is processed as anticipated by the client.
- (with warnings) *Warning* messages indicate that UPS was able to process the request; however (potentially) unanticipated results have also occurred. The warning contains information in the response that should be passed to the end user.

Errors – will return two different levels of severity.
- *Transient* errors are temporary errors, due to temporary high server loads or scheduled maintenance, for example. The application may re-issue the request at a later time.
- *Hard* errors indicate that an error existed in the request that UPS could not resolve. These errors are critical and prevent requests from processing.

Applications should not re-issue requests with Hard errors without first correcting the error.
The following table lists the errors that UPS may return in response to a request.

Error Code	Severity	Description
10001	Hard	The XML document is not well formed
10002	Hard	The XML document is well formed but the document is not valid
20011	Hard	The Integration Indicator is no longer supported
300000	Transient	Label Recovery system is currently unavailable
300001	Hard	Multiple shipments found for the request
300002	Hard	Label is unavailable -- the package has been sent to the destination address
300003	Hard	The requested shipment contains more than 100 packages.
300004	Hard	Invalid shipments return service for label recovery
300005	Hard	Either tracking number or combination of reference plus shipper number required
300006	Hard	Label is unavailable -- the label is expired
300007	Hard	The shipment for the requested tracking number or the combination of reference number plus shipper number could not be found. Please check the submitted data or wait until the shipment is processed.
300008	Hard	Invalid Translate/code
300009	Hard	Invalid Inquire Method
300013	Hard	Invalid Label Print Method
300014	Hard	Invalid Tracking Number
300022	Warning	Email subsystem is currently unavailable
300023	Hard	Invalid LabelSpecification/HTTPUserAgent
300026	Warning	The Label Link Email has been sent to the original label delivery email address when the shipment was placed instead of the requested email address

Error Code	Severity	Description
300030	Hard	Invalid Reference Number
300031	Hard	Invalid Shipper Number
300032	Hard	Label is unavailable -- the shipment has no {0}
300033	Hard	The shipment for which you are trying to recover a label or Receipt has been voided. Please contact the vendor for further information
300034	Hard	Label is unavailable -- the shipment has not been processed.
300035	Hard	Too many shipments found with the requested Shipper Number and Reference Number. Please re-submit the request with the Tracking Number.

Appendix E - Common error codes for all webservices and API

Common Errors can apply to all web services;

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
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
250050	Transient	License system not available

Appendix F - Country Codes

UPS country code abbreviations generally follow the recommendations of the International Standards Organization, which publishes a list of currency abbreviations in ISO Standard 3166. The following table lists the ISO country codes that ISO had defined when this document was published. The latest information is available from the ISO web site.

Please note that not all UPS services are available in every country. For more information on UPS services, refer to the latest *UPS*
Rate and Service Guide available at http://www.ups.com.

Country Code	Country Name	Forward Origin	Return Origin
AF	Afghanistan	Yes	Yes
AX	Åland Islands		
AL	Albania	Yes	Yes
DZ	Algeria	Yes	Yes
AS	American Samoa		
AD	Andorra		
AO	Angola		
AI	Anguilla		
AQ	Antarctica		
AG	Antigua and Barbados		Yes
AR	Argentina	Yes	Yes
AM	Armenia		
AW	Aruba		
AU	Australia	Yes	Yes
AT	Austria	Yes	Yes
AZ	Azerbaijan	Yes	Yes
BS	Bahamas	Yes	Yes
BH	Bahrain	Yes	Yes
BD	Bangladesh		
BB	Barbados		
BY	Belarus		
BE	Belgium	Yes	Yes
BZ	Belize		
BJ	Benin		
BM	Bermuda	Yes	Yes
BT	Bhutan		
BO	Bolivia	Yes	Yes

Country Code	Country Name	Forward Origin	Return Origin
BA	Bosnia and Herzegovina	Yes	Yes
BW	Botswana		
BV	Bouvet Island		
BR	Brazil	Yes	Yes
IO	British Indian Ocean Territory		
BN	Brunei Darussalam		
BG	Bulgaria	Yes	Yes
BF	Burkina Faso		
BI	Burundi		
KH	Cambodia		
CM	Cameroon		
CA	Canada	Yes	Yes
CV	Cape Verde		
KY	Cayman Islands	Yes	Yes
CF	Central African Republic		
TD	Chad		
CL	Chile	Yes	Yes
CN	China	Yes	Yes
CX	Christmas Island		
CC	Cocos (Keeling) Islands		
CO	Colombia	Yes	Yes
KM	Comoros		
CG	Congo		
CD	Congo, The Democratic Republic of		
CK	Cook Islands		
CR	Costa Rica	Yes	Yes
CI	Côte Divoire		
HR	Croatia	Yes	Yes
CU	Cuba		
CY	Cyprus	Yes	Yes
CZ	Czech Republic	Yes	Yes
DK	Denmark	Yes	Yes
DJ	Djibouti		
DM	Dominica		

Country Code	Country Name	Forward Origin	Return Origin
DO	Dominican Republic	Yes	Yes
EC	Ecuador	Yes	Yes
EG	Egypt	Yes	Yes
SV	El Salvador	Yes	Yes
GQ	Equatorial Guinea		
ER	Eritrea		
EE	Estonia	Yes	Yes
ET	Ethiopia		
FK	Falkland Islands (Malvinas)		
FO	Faroe Islands		
FJ	Fiji		
FI	Finland	Yes	Yes
FR	France	Yes	Yes
GF	French Guiana		
PF	French Polynesia		
TF	French Southern Territories		
GA	Gabon		
GM	Gambia		
GE	Georgia		
DE	Germany	Yes	Yes
GH	Ghana	Yes	Yes
GI	Gibraltar	Yes	Yes
GR	Greece	Yes	Yes
GL	Greenland		
GD	Grenada		
GP	Guadeloupe		
GU	Guam	Yes	Yes
GT	Guatemala	Yes	Yes
GG	Guernsey	Yes	Yes
GN	Guinea		
GW	Guinea-Bissau		
GY	Guyana		
HT	Haiti		Yes
HM	Heard Island and McDonald Islands		

Country Code	Country Name	Forward Origin	Return Origin
VA	Holy See (Vatican City State)		
HN	Honduras	Yes	Yes
HK	Hong Kong	Yes	Yes
HU	Hungary	Yes	Yes
IS	Iceland		Yes
IN	India	Yes	Yes
ID	Indonesia	Yes	Yes
IR	Iran, Islamic Republic of		
IQ	Iraq	Yes	Yes
IE	Ireland	Yes	Yes
IM	Isle of Man		
IL	Israel	Yes	Yes
IT	Italy	Yes	Yes
JM	Jamaica		Yes
JP	Japan	Yes	Yes
JE	Jersey	Yes	Yes
JO	Jordan		
KZ	Kazakhstan	Yes	Yes
KE	Kenya	Yes	Yes
KI	Kiribati		
KP	Korea, Democratic Peoples Republic of		
KR	Korea, Republic of	Yes	Yes
KW	Kuwait	Yes	Yes
KG	Kyrgyzstan	Yes	Yes
LA	Lao Peoples Democratic Republic		
LV	Latvia	Yes	Yes
LB	Lebanon		Yes
LS	Lesotho		
LR	Liberia		
LY	Libyan Arab Jamahiriya		
LI	Liechtenstein		Yes

Country Code	Country Name	Forward Origin	Return Origin
LT	Lithuania	Yes	Yes
LU	Luxembourg	Yes	Yes
MO	Macao	Yes	Yes
MK	Macedonia, The Former Yugoslav Republic of		
MG	Madagascar		
MW	Malawi		
MY	Malaysia	Yes	Yes
MV	Maldives		
ML	Mali		
MT	Malta	Yes	Yes
MH	Marshall Islands		
MQ	Martinique		
MR	Mauritania		
MU	Mauritius	Yes	Yes
YT	Mayotte		
MX	Mexico	Yes	Yes
FM	Micronesia, Federated States of		
MD	Moldova, Republic of	Yes	Yes
MC	Monaco		Yes
MN	Mongolia		
ME	Montenegro		Yes
MS	Montserrat		
MA	Morocco	Yes	Yes
MZ	Mozambique		
MM	Myanmar		
NA	Namibia		
NR	Nauru		
NP	Nepal		
NL	Netherlands	Yes	Yes
AN	Netherlands Antilles		
NC	New Caledonia		
NZ	New Zealand	Yes	Yes
NI	Nicaragua	Yes	Yes

Country Code	Country Name	Forward Origin	Return Origin
NE	Niger		
NG	Nigeria	Yes	Yes
NU	Niue		
NF	Norfolk Island		
MP	Northern Mariana Islands		
NO	Norway	Yes	Yes
OM	Oman	Yes	Yes
PK	Pakistan	Yes	Yes
PW	Palau		
PS	Palestinian Territory, Occupied		
PA	Panama	Yes	Yes
PG	Papua New Guinea		
PY	Paraguay	Yes	Yes
PE	Peru	Yes	Yes
PH	Philippines	Yes	Yes
PN	Pitcairn		
PL	Poland	Yes	Yes
PT	Portugal	Yes	Yes
PR	Puerto Rico	Yes	Yes
QA	Qatar	Yes	Yes
RE	Réunion		
RO	Romania	Yes	Yes
RU	Russian Federation	Yes	Yes
RW	Rwanda		
SH	Saint Helena		
KN	Saint Kitts and Nevis		Yes
LC	Saint Lucia		Yes
PM	Saint Pierre and Miquelon		
VC	Saint Vincent and The Grenadines		
WS	Samoa		
SM	San Marino		
ST	Sao Tome and Principe		
SA	Saudi Arabia	Yes	Yes

Country Code	Country Name	Forward Origin	Return Origin
SN	Senegal		
RS	Serbia	Yes	Yes
SC	Seychelles		
SL	Sierra Leone		
SG	Singapore	Yes	Yes
SK	Slovakia	Yes	Yes
SI	Slovenia	Yes	Yes
SB	Solomon Islands		
SO	Somalia		
ZA	South Africa	Yes	Yes
GS	South Georgia and The South Sandwich Islands		
ES	Spain	Yes	Yes
LK	Sri Lanka		Yes
SD	Sudan		
SR	Suriname		
SJ	Svalbard and Jan Mayen		
SZ	Swaziland		
SE	Sweden	Yes	Yes
CH	Switzerland	Yes	Yes
SY	Syrian Arab Republic		
TW	Taiwan, Province of China	Yes	Yes
TJ	Tajikistan		
TZ	Tanzania, United Republic of		
TH	Thailand	Yes	Yes
TL	Timor-Leste		
TG	Togo		
TK	Tokelau		
TO	Tonga		
TT	Trinidad and Tobago		
TN	Tunisia		
TR	Turkey	Yes	Yes
TM	Turkmenistan		
TC	Turks and Caicos Islands		
TV	Tuvalu		

Country Code	Country Name	Forward Origin	Return Origin
UG	Uganda		
UA	Ukraine		Yes
AE	United Arab Emirates	Yes	Yes
GB	United Kingdom	Yes	Yes
US	United States	Yes	Yes
UM	United States Minor Outlying Islands		
UY	Uruguay	Yes	Yes
UZ	Uzbekistan		
VU	Vanuatu		
VE	Venezuela	Yes	Yes
VN	Viet Nam	Yes	Yes
VG	Virgin Islands, British		
VI	Virgin Islands, U.S.	Yes	Yes
WF	Wallis and Futuna		
EH	Western Sahara		
YE	Yemen		
ZM	Zambia		
ZW	Zimbabwe		

Appendix G - Currency Codes

UPS currency code abbreviations generally follow the recommendations of the International Standards Organization, which publishes a list of currency abbreviations in ISO Standard 4217, for which the latest information is available from the ISO website. Exceptions are noted in bold in the table below.
Note that countries sometimes change their official currency. UPS may require some time after the introduction of a new currency before it can fully support that currency. In addition, UPS may continue to support the older currency for an interim period in order to provide backwards compatibility. UPS may also require the use of currencies other than the official currency for some countries. For the latest information, please contact your UPS Developer API representative.

Country/Region	Currency Name	Currency Code
Afghanistan	Afghani	AFN
Albania	Lek	ALL
Algeria	Algerian Dinar	DZD
American Samoa	US Dollar	USD
Andorra	Euro	EUR
Angola	Kwanza	AOA
Anguilla	East Caribbean Dollar	XCD
Antigua And Barbuda	East Caribbean Dollar	XCD
Argentina	Argentine Peso	ARS
Armenia	Armenian Dram	AMD
Aruba	Aruban Guilder	AWG
Australia	Australian Dollar	AUD
Austria	Euro	EUR
Azerbaijan	Azerbaijanian Manat	AZN
Bahamas	Bahamian Dollar	BSD
Bahrain	Bahraini Dinar	BHD
Bangladesh	Taka	BDT
Barbados	Barbados Dollar	BBD
Belarus	Belarussian Ruble	BYR
Belgium	Euro	EUR
Belize	Belize Dollar	BZD
Benin	CFA Franc BCEAO	XOF
Bermuda	Bermudian Dollar (customarily known as Bermuda Dollar)	BMD
Bhutan	Indian Rupee	INR
Bhutan	Ngultrum	BTN
Bolivia	Boliviano	BOB
Bolivia	Mvdol	BOV
Bosnia and Herzegovina	Convertible Marks	BAM
Botswana	Pula	BWP
Bouvet Island	Norwegian Krone	NOK
Brazil	Brazilian Real	BRL

Country/Region	Currency Name	Currency Code
British Indian Ocean Territory	US Dollar	USD
Brunei Darussalam	Brunei Dollar	BND
Bulgaria	Bulgarian Lev	BGN
Burkina Faso	CFA Franc BCEAO	XOF
Burundi	Burundi Franc	BIF
Cambodia	Riel	KHR
Cameroon	US Dollar	USD
Canada	Canadian Dollar	CAD
Cape Verde	Cape Verde Escudo	CVE
Cayman Islands	Cayman Islands Dollar	KYD
Central African Republic	CFA Franc BEAC	XAF
Chad	CFA Franc BEAC	XAF
Chile	Chilean Peso	CLP
Chile	Unidades de formento	CLF
China	Yuan Renminbi	RMB
Christmas Island	Australian Dollar	AUD
Cocos (Keeling) Islands	Australian Dollar	AUD
Colombia	Colombian Peso	COP
Colombia	Unidad de Valor Real	COU
Comoros	Comoro Franc	KMF
Congo	CFA Franc BEAC	XAF
Congo, The Democratic Republic of	Franc Congolais	CDF
Cook Islands	New Zealand Dollar	NZD
Costa Rica	Costa Rican Colon	CRC
Côte Divoire	CFA Franc BCEAO	XOF
Croatia	Croatian Kuna	HRK
Cuba	Cuban Peso	CUP
Cyprus	Euro	EUR
Czech Republic	Czech Koruna	CZK
Denmark	Danish Krone	DKK
Djibouti	Djibouti Franc	DJF
Dominica	East Caribbean Dollar	XCD
Dominican Republic	Dominican Peso	DOP
Ecuador	US Dollar	USD
Egypt	Egyptian Pound	EGP
El Salvador	El Salvador Colon	SVC
El Salvador	US Dollar	USD
Equatorial Guinea	CFA Franc BEAC	XAF
Eritrea	Nakfa	ERN
Estonia	Euro	EUR
Ethiopia	Ethiopian Birr	ETB
Falkland Islands (Malvinas)	Falkland Islands Pound	FKP
Faroe Islands	Danish Krone	DKK
Fiji	Fiji Dollar	FJD

Country/Region	Currency Name	Currency Code
Finland	Euro	EUR
France	Euro	EUR
French Guiana	Euro	EUR
French Polynesia	CFP Franc	XPF
French Southern Territories	Euro	EUR
Gabon	CFA Franc BEAC	XAF
Gambia	Dalasi	GMD
Georgia	Lari	GEL
Germany	Euro	EUR
Ghana	Cedi	GHS
Gibraltar	Gibraltar Pound	GIP
Greece	Euro	EUR
Greenland	Danish Krone	DKK
Grenada	East Caribbean Dollar	XCD
Guadeloupe	Euro	EUR
Guam	US Dollar	USD
Guatemala	Quetzal	GTQ
Guernsey	Pound Sterling	GBP
Guinea	Guinea Franc	GNF
Guinea-Bissau	Guinea-Bissau Peso	GWP
Guinea-Bissau	CFA Franc BCEAO	XOF
Guyana	Guyana Dollar	GYD
Haiti	Gourde	HTG
Haiti	US Dollar	USD
Heard Island ond Mcdonald Islands	Australian Dollar	AUD
Holy See (Vatican City State)	Euro	EUR
Honduras	Lempira	HNL
Hong Kong	Hong Kong Dollar	HKD
Hungary	Forint	HUF
Iceland	Iceland Krona	ISK
India	Indian Rupee	INR
Indonesia	Rupiah	IDR
Iran (Islamic Republic of)	Iranian Rial	IRR
Iraq	Iraqi Dinar	IQD
Ireland	Euro	EUR
Israel	New Israeli Sheqel	ILS
Italy	Euro	EUR
Jamaica	Jamaican Dollar	JMD
Japan	Yen	JPY
Jersey	Pound Sterling	GBP
Jordan	Jordanian Dinar	JOD
Kazakhstan	Tenge	KZT
Kenya	Kenyan Shilling	KES

Country/Region	Currency Name	Currency Code
Kiribati	Australian Dollar	AUD
Korea, Democratic Peoples Republic of	North Korean Won	KPW
Korea, Republic of	Won	KRW
Kuwait	Kuwaiti Dinar	KWD
Kyrgyzstan	Som	KGS
Lao Peoples Democratic Republic	Kip	LAK
Latvia	Latvian Lats	LVL
Lebanon	Lebanese Pound	LBP
Lesotho	Rand	ZAR
Lesotho	Loti	LSL
Liberia	Liberian Dollar	LRD
Libyan Arab Jamahiriya	Libyan Dinar	LYD
Liechtenstein	Swiss Franc	CHF
Lithuania	Lithuanian Litas	LTL
Luxembourg	Euro	EUR
Macao	Pataca	MOP
Macedonia, The Former Yugoslav Republic of	Denar	MKD
Madagascar	Malagascy Ariary	MGA
Malawi	Kwacha	MWK
Malaysia	Malaysian Ringgit	MYR
Maldives	Rufiyaa	MVR
Mali	CFA Franc BCEAO	XOF
Malta	Euro	EUR
Marshall Islands	US Dollar	USD
Martinique	Euro	EUR
Mauritania	Ouguiya	MRO
Mauritius	Mauritius Rupee	MUR
Mayotte	Euro	EUR
Mexico	Mexican Peso	MXN
Mexico	Mexican Unidad de Inversion (UID)	MXV
Micronesia (Federated States of)	US Dollar	USD
Moldova, Republic of	Moldovan Leu	MDL
Monaco	Euro	EUR
Mongolia	Tugrik	MNT
Montenegro	Euro	EUR
Montserrat	East Caribbean Dollar	XCD
Morocco	Moroccan Dirham	MAD
Mozambique	Metical	MZN
Myanmar	Kyat	MMK
Namibia	Rand	ZAR

Country/Region	Currency Name	Currency Code
Namibia	Namibian Dollar	NAD
Nauru	Australian Dollar	AUD
Nepal	Nepalese Rupee	NPR
Netherlands	Euro	EUR
Netherlands Antilles	Netherlands Antillian Guilder	ANG
New Caledonia	CFP Franc	XPF
New Zealand	New Zealand Dollar	NZD
Nicaragua	Cordoba Oro	NIO
Niger	CFA Franc BCEAO	XOF
Nigeria	Naira	NGN
Niue	New Zealand Dollar	NZD
Norfolk Island	Australian Dollar	AUD
Northern Mariana Islands	US Dollar	USD
Norway	Norwegian Krone	NOK
Oman	Rial Omani	OMR
Pakistan	Pakistan Rupee	PKR
Palau	US Dollar	USD
Panama	Balboa	PAB
Panama	US Dollar	USD
Papua New Guinea	Kina	PGK
Paraguay	Guarani	PYG
Peru	Nuevo Sol	PEN
Philippines	Philippine Peso	PHP
Pitcairn	New Zealand Dollar	NZD
Poland	Zloty	PLN
Portugal	Euro	EUR
Puerto Rico	US Dollar	USD
Qatar	Qatari Rial	QAR
Réunion	Euro	EUR
Romania	New Leu	RON
Russian Federation	Russian Ruble	RUB
Rwanda	Rwanda Franc	RWF
Saint Helena	Saint Helena Pound	SHP
Saint Kitts and Nevis	East Caribbean Dollar	XCD
Saint Lucia	East Caribbean Dollar	XCD
Saint Pierre and Miquelon	Euro	EUR
Saint Vincent and The Grenadines	East Caribbean Dollar	XCD
Samoa	Tala	WST
San Marino	Euro	EUR
São Tome and Principe	Dobra	STD
Saudi Arabia	Saudi Riyal	SAR
Senegal	CFA Franc BCEAO	XOF
Serbia	Serbian Dinar	RSD

Country/Region	Currency Name	Currency Code
Seychelles	Seychelles Rupee	SCR
Sierra Leone	Leone	SLL
Singapore	Singapore Dollar	SGD
Slovakia	Euro	EUR
Slovenia	Euro	EUR
Solomon Islands	Solomon Islands Dollar	SBD
Somalia	Somali Shilling	SOS
South Africa	Rand	ZAR
Spain	Euro	EUR
Sri Lanka	Sri Lanka Rupee	LKR
Sudan	Sudanese Dinar	SDD
Suriname	Surinam Dollar	SRD
Svalbard and Jan Mayen	Norwegian Krone	NOK
Swaziland	Lilangeni	SZL
Sweden	Swedish Krona	SEK
Switzerland	Swiss Franc	CHF
Switzerland	WIR Franc	CHW
Switzerland	WIR Euro	CHE
Syrian Arab Republic	Syrian Pound	SYP
Taiwan, Province of China	New Taiwan Dollar	TWD
Tajikistan	Somoni	TJS
Tanzania, United Republic of	Tanzanian Shilling	TZS
Thailand	Baht	THB
Timor-Leste	US Dollar	USD
Togo	CFA Franc BCEAO	XOF
Tokelau	New Zealand Dollar	NZD
Tonga	Paanga	TOP
Trinidad And Tobago	Trinidad and Tobago Dollar	TTD
Tunisia	Tunisian Dinar	TND
Turkey	New Turkish Lira	TRY
Turkmenistan	Manat	TMM
Turks And Caicos Islands	US Dollar	USD
Tuvalu	Australian Dollar	AUD
Uganda	Uganda Shilling	UGX
Ukraine	Hryvnia	UAH
United Arab Emirates	UAE Dirham	AED
United Kingdom	Pound Sterling	GBP
United States	US Dollar	USD
United States Minor Outlying Islands	US Dollar	USD
Uruguay	Peso Uruguayo	UYU
Uruguay	Uruguay Peso en Unidades Indexadas	UYI

Country/Region	Currency Name	Currency Code
Uzbekistan	Uzbekistan Sum	UZS
Vanuatu	Vatu	VUV
Venezuela	Bolivar	VEB
Viet Nam	Dong	VND
Virgin Islands (British)	US Dollar	USD
Virgin Islands (US)	US Dollar	USD
Wallis And Futuna	CFP Franc	XPF
Western Sahara	Moroccan Dirham	MAD
Yemen	Yemeni Rial	YER
Zambia	Kwacha	ZMK
Zimbabwe	Zimbabwe Dollar	ZWD

Appendix H - Service Codes

UPS offers a wide variety of package delivery services. The following tables list the service code values for these services; they are ordered by the origin of the shipment. The final table lists service codes for freight shipments. For more information on UPS services, refer to the latest *UPS Rate and Service Guide* available at http://www.ups.com.

Description	Category	Shipping Service Code	Rating Service Code
UPS Express	Polish Domestic Shipments	07	07
UPS ExpeditedSM	Polish Domestic Shipments	08	08
UPS Standard	Polish Domestic Shipments	11	11
UPS Worldwide Express PlusSM	Polish Domestic Shipments	54	54
UPS Saver	Polish Domestic Shipments	65	65
UPS Today StandardSM	Polish Domestic Shipments	82	82
UPS Today Dedicated CourrierSM	Polish Domestic Shipments	83	83
UPS Today Express	Polish Domestic Shipments	85	85
UPS Today Express Saver	Polish Domestic Shipments	86	86
UPS Express	Shipments Originating in Canada	01	01
UPS Worldwide ExpeditedSM	Shipments Originating in Canada	08	02
UPS Standard	Shipments Originating in Canada	11	11
UPS Three-Day Select®	Shipments Originating in Canada	12	12
UPS Express Early A.M. SM	Shipments Originating in Canada	14	14
UPS Saver SM	Shipments Originating in Canada	65	13
UPS Express	Shipments Originating in Canada to the United States	01	07
UPS Express	Shipments Originating in Mexico	07	07
UPS ExpeditedSM	Shipments Originating in Mexico	08	08
UPS Standard	Shipments Originating in Mexico	11	11
UPS Express Plus	Shipments Originating in Mexico	54	54
UPS Saver	Shipments Originating in Mexico	65	65
UPS Express	Shipments Originating in Other Countries	07	07
UPS Worldwide ExpeditedSM	Shipments Originating in Other Countries	08	08
UPS Standard	Shipments Originating in Other Countries	11	11
UPS Worldwide Express PlusSM	Shipments Originating in Other Countries	54	54
UPS Saver	Shipments Originating in Other Countries	65	65
UPS Next Day Air®	Shipments Originating in Puerto Rico	01	01
UPS Second Day Air®	Shipments Originating in Puerto Rico	02	02
UPS Ground	Shipments Originating in Puerto Rico	03	03
UPS Worldwide ExpressSM	Shipments Originating in Puerto Rico	07	07
UPS Worldwide ExpeditedSM	Shipments Originating in Puerto Rico	08	08
UPS Next Day Air® Early A.M. SM	Shipments Originating in Puerto Rico	14	14
UPS Worldwide Express PlusSM	Shipments Originating in Puerto Rico	54	54
UPS Saver	Shipments Originating in Puerto Rico	65	65

Description	Category	Shipping Service Code	Rating Service Code
UPS Express	Shipments Originating in the European Union	07	07
UPS ExpeditedSM	Shipments Originating in the European Union	08	08
UPS Standard	Shipments Originating in the European Union	11	11
UPS Worldwide Express PlusSM	Shipments Originating in the European Union	54	54
UPS Saver	Shipments Originating in the European Union	65	65
UPS Next Day Air®	Shipments Originating in United States	01	01
UPS Second Day Air®	Shipments Originating in United States	02	02
UPS Ground	Shipments Originating in United States	03	03
UPS Worldwide ExpressSM	Shipments Originating in United States	07	07
UPS Worldwide ExpeditedSM	Shipments Originating in United States	08	08
UPS Standard	Shipments Originating in United States	11	11
UPS Three-Day Select®	Shipments Originating in United States	12	12
UPS Next Day Air® Early A.M. SM	Shipments Originating in United States	14	14
UPS Worldwide Express PlusSM	Shipments Originating in United States	54	54
UPS Second Day Air A.M.®	Shipments Originating in United States	59	59
UPS Saver	Shipments Originating in United States	65	65
UPS Next Day Air®	United States Domestic Shipments	01	01
UPS Second Day Air®	United States Domestic Shipments	02	02
UPS Ground	United States Domestic Shipments	03	03
UPS Three-Day Select®	United States Domestic Shipments	12	12
UPS Next Day Air Saver®	United States Domestic Shipments	13	13
UPS Next Day Air® Early A.M. SM	United States Domestic Shipments	14	14
UPS Second Day Air A.M.®	United States Domestic Shipments	59	59
UPS Saver	United States Domestic Shipments	65	65
UPS Worldwide Express Freight	Shipments Originating in any country	96	96

Appendix I - Reference Number Codes

Shipments and packages may include a reference number. The type of reference number may be indicated by a reference number code. The following table lists the reference number code values.

Code	Description
AJ	Accounts Receivable Customer Account
AT	Appropriation Number
BM	Bill of Lading Number
9V	Collect on Delivery (COD) Number
ON	Dealer Order Number
DP	Department Number
3Q	Food and Drug Administration (FDA) Product Code
IK	Invoice Number
MK	Manifest Key Number
MJ	Model Number
PM	Part Number
PC	Production Code
PO	Purchase Order Number
RQ	Purchase Request Number
RZ	Return Authorization Number
SA	Salesperson Number
SE	Serial Number
ST	Store Number
TN	Transaction Reference Number
EI	Employer's ID Number
TJ	Federal Taxpayer ID No.
SY	Social Security Number

Appendix J - International Forms Preference Criteria

Preference criteria are required in North American Free Trade Agreement Certificate of Origin (NAFTA CO) documents. The following table lists the defined criteria and their use.

Criteria	Meaning
A	The good is \"wholly obtained or produced entirely\" in the territory of one or more of the NAFTA countries as referenced in Article 415.Note: The purchase of a good in the territory does not necessarily render it\" wholly obtained or produced.\" If the good is an agricultural good, see also criterion F and Annex 703.2. (Reference: Article 401(a) and 415)
B	The good is produced entirely in the territory of one or more of the NAFTA countries and satisfies the specific rule of origin, set out in Annex 401 that applies to its tariff classification. The rule may include a tariff classification change, regional value-content requirement, or a combination there-of. The good must also satisfy all other applicable requirements of Chapter Four. If the good is an agricultural good, see also criterionF and Annex 703.2. (Reference: Article 401(b))
C	The good is produced entirely in the territory of one or more of the NAFTA countries exclusively from originating materials. Under this criterion, one or more of the materials may not fall within the definition of \"wholly produced or obtained,\" as set out in Article 415. All materials used in the production of the good must qualify as \"originating\" by meeting the rules of Article 401(a) through (d). If the good is an agricultural good, see also criterion F and Annex703.2. Reference: Article 401(c).
D	Goods are produced in the territory of one or more of the NAFTA countries but do not meet the applicable rule of origin, set out in is an agricultural good, see also criterion F and Annex703.2. Reference: Article 401(c). Annex 401, because certain non-originating materials do not undergo the required change in tariff classification. The goods do nonetheless meet the regional value-content requirement specified in Article 401 (d). This criterion is limited to the following two circumstances: (1) The good was imported into the territory of a NAFTA country in an unassembled or disassembled form but was classified as an assembled good, pursuant to H.S. General Rule of Interpretation 2(a). or (2).The good incorporated one or more non- originating materials, provided for as parts under the H.S., which could not undergo a change in tariff classification because the originating materials, provided for as parts under the H.S., which could not undergo a change in tariff classification because the heading provided for both the good and its parts and was not further subdivided into subheadings, or the subheading provided for both the good and its parts and was not further subdivided. Note: This criterion does not apply to Chapters 61 through 63 of the H.S. (Reference: Article 401(d))
E	Certain automatic data processing goods and their parts, specified in Annex308.1, that do not originate in the territory are considered originating upon importation into the territory of a NAFTA country from the territory of another NAFTA country when the most-favored- nation tariff rate of the good conforms to the rate established in Annex 308.1 and is common to all NAFTA countries. (Reference: Annex 308.1)

Criteria	Meaning
	The good is an originating agricultural good under preference criterion A, B, or C above and is not subject to a quantitative restriction in the importing NAFTA country because it is a \"qualifying good\" as defined in Annex 703.2, Section A or B (please specify). A good listed in Appendix 703.2B.7 is also exempt from quantitative restrictions and is eligible for NAFTA preferential tariff treatment if it meets the definition of \"qualifying good\" in Section A of Annex 703.2. Note: This criterion does not apply to goods that wholly originate in Canada or the United States and are imported into either country. Note: A tariff rate quota is
F	not a quantitative restriction

Appendix K - Hong Kong District Codes

The following table lists the codes UPS uses to represent Hong Kong districts.

Code	District
SD1	ABERDEEN
AD	ADMIRALTY
SD2	AP LEI CHAU
CB	CAUSEWAY BAY
CD	CENTRAL
KT1	CHA KWO LING
CW1	CHAI WAN
CLK1	CHAK LAP KOK
ISL1	CHEUNG CHAU
CSW	CHEUNG SHA WAN
CH	CHOI HUNG
SD3	CHUNG HOM KOK
DH	DAIMOND HILL
SD4	DEEP WATER BAY
ISL2	DISCOVERY BAY
FL	FANLING
NP1	FORTRESS HILL
ST1	FOTAN
HV	HAPPY VALLEY
HMT	HO MAN TIN
HH	HUNGHOM
JD	JORDAN
NT1	KAM TIN
WD1	KENNEDY TOWN
KLB	KOWLOON BAY
KLC	KOWLOON CITY
KLT	KOWLOON TONG
KC1	KWAI CHUNG
KC2	KWAI FONG
KC3	KWAI HING
KT2	KWUN TONG
LCK1	LAI CHI KOK
LCK2	LAI KING
LT3	LAM TIN
ISL3	LAMMA ISLAND
ISL4	LANTAU ISLAND
LF1	LOK FU
ST2	MA ON SHAN

Code	District
LCK3	MEI FOO
SD5	MIDDLE BAY
ML1	MID-LEVEL
MK1	MONGKOK
WD2	MOUNT DAVIS
NTK	NGAU TAU KOK
NP2	NORTH POINT
ISL5	PING CHAU
SD6	POK FU LAM
MK2	PRINCE EDWARD
QB	QUARRY BAY
SD7	REPULSE BAY
SK	SAI KUNG
WD3	SAI WAN
SWH	SAI WAN HO
WD4	SAI YING PUN
SPK	SAN PO KONG
SS1	SHA TAU KOK
SSP	SHAM SHUI PO
NT2	SHAM TSENG
ST3	SHATIN
SKW	SHAU KEI WAN
SKM	SHEK KIP MEI
NT4	SHEK KONG
SD8	SHEK O
WD5	SHEK TONG TSUI
SS2	SHEUNG SHUI
SW	SHEUNG WAN
SL	SHUN LEE
ST4	SIU LEK YUEN
CW2	SIU SAI WAN
SD9	SOUTH BAY
SD10	SOUTHERN DISTRICT
SD11	STANLEY
ML2	TAI HANG
TKT	TAI KOK TSUI
NT5	TAI LAM CHUNG
TP	TAI PO
SD12	TAI TAM
ST5	TAI WAI
NT6	TAP SHEK KOK
ML3	THE PEAK
NP3	TIN HAU
NT7	TIN SHUI WAI
SD13	TIN WAN

Code	District
TKW	TO KWA WAN
TKO	TSEUNG KWAN O
TST1	TSIM SHA TSUI
TST2	TSIM SHA TSUI EAST
NT8	TSING LUNG TAU
TY	TSING YI
TW	TSUEN WAN
TWS	TSZ WAN SHAN
NT9	TUEN MUN
CLK2	TUNG CHUNG
SD14	WAH FU
WC	WANCHAI
LF2	WANG TAU HOM
WD6	WESTERN DISTRICT
SD15	WONG CHUK HANG
WTS	WONG TAI SIN
YMT	YAU MA TEI
KT3	YAU TONG
NT10	YUEN LONG

Appendix L - Export License Exception Codes

License exception codes may be used in lieu of an export license in Shipper Export Declaration (SED) forms. The following table lists the defined export codes.

Code	License Exception
AGR	Established for agricultural commodities to permit exports and re-exports to Cuba that is not specifically identified on the Commerce Control List (CCL) and is classified as EAR99.
APR	Items for export or re-export not controlled for nuclear nonproliferation, missile technology or crime control.
AVS	U.S. aircraft or foreign sojourn into foreign country.
BAG	Individual or exporting carriers crew members baggage.
CIV	National security items for civil end users.
CTP	Computer and parts of.
ENC	Encrypted software and hardware - financial institutions.
GBS	Export or re-export of Country Group B; controlled for national security reasons.
GFT	Gift shipments; packages to individuals, religious, charitable or education institutions, donations of basic needs.
GOV	Government shipments, covers shipments for U.S. government agencies, personnel or of cooperating foreign governments
KMI	Encrypted software and hardware.
LVS	Value of shipments limited.
NLR	No license required.
RPL	Servicing and replacement of parts and equipment, one for one replacement parts service or replacement of equipment.
TMP	Temporary exports, export and re-export of items temporary in U.S., export and re-export of beta test software.
TSPA	Software or technology outside the scope of export regulations.
TSR	Technology and software, national security reason, Country Group B.
TSU	Technology and software shipments, of basic requirements, data supporting prospective or actual bids, offers to sell, lease or supply an item. Software update for fixing programs, mass marketed software.

Appendix M - Sample Shipping and Return Labels

The following figures are examples of UPS shipping and return labels.

Figure 1. Sample Shipping Label

SKYLER DEFILER
PORCH SLOTH, LTD.
NOT REAL -UPS TEST CASE- NOT REAL
CARLISLE   CA39DG
UNITED KINGDOM

1 OF 1

SHP#: 567V 47TG TGR
SHP WT: 6 KG
DATE: 02 JAN 2005

SHIP TO:
HERCULE POIROT
33365673379339
FOUL POWELL'S RE-POSSESSIONS
NOT REAL -UPS TEST CASE- NOT REAL
**89079 GOTTINGEN
GERMANY**

DEU 890 5-00

UPS EXPRESS   **1**
TRACKING #: 1Z 567 V47 85 9311 4762

BILLING: P/P T/P 567V47 DE   **RS**
DESC: Package 2
RETURN SERVICE

Reference No.1: 04ROW01

XOL 02.04.13   NV45 36.0A 10/2004

Figure2. Sample Return Label

Appendix N - Shipping and Tracking Numbers for Testing

UPS has set aside several shipping identification and tracking numbers to help developers test their applications. These special numbers are only valid with the Customer Integration Environment at wwwcie.ups.com. The following table lists those special numbers and describes the results that developers should expect **when attempting a VoidShipmentRequest**. For each test case, the first number listed is a shipment identification number; additional numbers, if present, are tracking numbers.

Note that only these numbers may be used in the Customer Integration Environment when voiding shipments.

NUMBER(S)	EXPECTED RESULT
1ZISDE016691676846	A successful XML response will be returned for a shipment level void request.
1Z2220060290602143	A successful XML response will be returned for a shipment level void request.
1Z2220060294314162 and Tracking Number 1Z2220060291994175	A successful XML response will be returned for a package level void request. The request will void the package in the shipment.
1Z2220060292690189 and Tracking Number 1Z2220060292002190	A successful XML response will be returned for a package level void request. The request will void the package in the shipment.
1ZISDE016691609089 with Tracking Numbers 1ZISDE016694068891 and 1ZISDE016690889305	A successful XML response will be returned for a package level void request. The request will void all the packages
1Z2220060290530202 with Tracking Number 1Z2220060293874210 and 1Z2220060292634221	A successful XML response will be returned with a partial void for a package level void request. The request will void package 1Z2220060293874210 but package 1Z2220060292634221 cannot be voided.

Appendix O - Valid Language-Dialect combination for PreAlertNotification

Valid Language	Dialect
DAN	97
DEU	97
ENG	GB
ENG	US
FIN	97
FRA	97
FRA	CA
ITA	97
NLD	97
POR	97
SPA	97
SWE	97
ENG	CA
NOR	97
POL	97
CES	97
ELL	97
ENG	CA
HEB	97
HUN	97
NLD	97
NOR	97
RUS	97
SLK	97
TUR	97
VIE	97
ZHO	TW
RON	RO
SPA	PR

Appendix P - Valid Origin/Destination Combinations for DC, DC-SR, and DC-ASR Accessorials

Origin	Destination	DC	DC-SR	DC-ASR
US50	US50, PR	P	P	P
	CA, VI	--	S	S
	Intl (not CA, PR, VI)	--	S	S
CA	CA	P	P	P
	US50, PR, VI	--	S	S
	Intl (not US, PR, VI)	--	S	S
PR	PR, US50	P	P	P
	CA, VI	--	S	S
	Intl (not US, CA, VI)	--	S	S
Intl RAVE-supported origin countries (not US, PR, CA, VI; see list below)	Intl (natl, transborder, worldwide) – per Mktg validation tables	--	S	S
S = shipment-level accessorial; P= package-level accessorial. All the origin/destination pairs valid for forward shipments only.				

Appendix Q - Paperless Invoice Supported Countries

The following table lists those countries that support paperless (electronic submission) invoices. **NOTE: Although a country may be prepared to accept Paperless Invoices, it is not guaranteed that all origins are allowed to send Paperless Invoices to such a country.**
Paperless Invoice countries are updated quarterly however guides are updated semi-annually in January and July. Changes may occur between releases of the guide.

Country
Australia
Austria
Belgium
Canada
China
Czech Republic
Denmark
Estonia
Finland
France
Germany
Guernsey
Great Britain
Hong Kong
Hungary
India
Indonesia
Ireland
Israel
Italy
Japan
Jersey
Latvia
Lithuania
Luxembourg
Macau
Malaysia
Malta
Netherlands
New Zealand
Norway
Philippines
Poland
Portugal
Puerto Rico
Romania
Scotland
Singapore
Slovenia
South Korea
Spain
Sweden
Switzerland
Tai wan
Thailand
United States

Country
Vietnam

Appendix R - Paperless NAFTA Supported Countries

The following table lists those countries that support paperless (electronic submission) NAFTA.
NOTE: Although a country may be prepared to accept Paperless NAFTA, it is not guaranteed that all origins are allowed to send Paperless Invoices to such a country.
Paperless Invoice countries are updated quarterly however guides are updated semi-annually in January and July. Changes may occur between releases of the guide.

Mexico as an origin is not currently supported

Origin	Destination
US	CA
US	MX
CA	US
CA	PR
CA	MX
PR	CA
PR	MX

Appendix S- License exception code possible values: Shipping API – Package

Value	Description
AGR	Established for agricultural commodities to permit exports and re-exports to Cuba that is not specifically identified on the Commerce Control List (CCL) and is classified as EAR99.
APR	Items for export or re-export not controlled for nuclear nonproliferation, missile technology or crime control.
AVS	U.S. aircraft or foreign sojourn into foreign country.
BAG	Individual or exporting carrier's crew member's baggage.
CIV	National security items for civil end users.
CTP	Computer and parts of.
ENC	Encrypted software and hardware - financial institutions.
GBS	Export or re-export of Country Group B; controlled for national security reasons.
GFT	Gift shipments; packages to individuals, religious, charitable or education institutions, donations of basic needs.
GOV	Government shipments, covers shipments for U.S. government agencies, personnel or of cooperating foreign governments.
KMI	Encrypted software and hardware.
LVS	Value of shipments limited.
NLR	No license required.
RPL	Servicing and replacement of parts and equipment, one for one replacement parts service or replacement of equipment.
TMP	Temporary exports, export and re-export of items temporary in U.S., export and re-export of beta test software.
TSPA	Software or technology outside the scope of export regulations.
TSR	Technology and software, national security reason, Country Group B.
TSU	Technology and software shipments, of basic requirements, data supporting prospective or actual bids, offers to sell, lease or supply an item. Software update for fixing programs, mass marketed software.

Appendix T - Frequently Asked Questions: Shipping API – Package

API	Category	Question	Answer
Shipping	Account Based Rates (ABR) or Negotiated Rates	Do the Developer APIs support ABR also known as Negotiated Rates?	Yes. Shipping and Rating APIs both XML & Web Services support Negotiated Rates
Shipping	Negotiated Rates	How do get access to negotiated Package rates?	To streamline your ability to view your negotiated rates through the [Shipping/Rating] API UPS has implemented a new process that no longer requires you to wait for a UPS Sales Person to activate your account. Simply add a UPS Account to your myUPS ID Account Summary as you previously would and your account will be activated within 48 hours for negotiated rates provided you have a contract with UPS. Remember to select the "Negotiated Rates Indicator" within the XML Request to have your negotiated rates returned within the response.
Shipping	Negotiated Rates	What flags are needed to return Negotiated rates in the request	Use the NegotiatedRatesIndicator within the API request to view your Negotiated rates and the customer was set up by their UPS Account Rep for negotiated (Account Base rates).
Shipping	Ground Freight Pricing (GFP)	Are dimensions required for GFP	Currently dimensions are not applicable to Ground Freight Pricing

Shipping	Duty & Taxes	How do you bill a 3rd Party for Duty & Taxes?	In order to bill a 3rd Party for D&T, use the noted tags in your request:
			`<ItemizedPaymentInformation>`
			`<ShipmentCharge>`
			`<Type>`**01**`</Type>`
			`<BillShipper>`
			`<AccountNumber>`XXXXXX`</AccountNumber>`
			`</BillShipper>`
			`</ShipmentCharge>`
			`<ShipmentCharge>`
			`<Type>`**02**`</Type>`
			`<BillThirdParty>`
			`<BillThirdPartyConsignee>`
			`<AccountNumber>`XXXXXX`</AccountNumber>`
			`<ThirdParty>`
			`<Address>`
			`<PostalCode>`XXXXX`</PostalCode>`
			`<CountryCode>`XX`</CountryCode>`
			`</Address>`
			`</ThirdParty>`
			`</BillThirdPartyConsignee>`
			`</BillThirdParty>`
			`</ShipmentCharge>`
			`</ItemizedPaymentInformation>`

API	Category	Question	Answer
Shipping	Scan-based Billing	Does the Shipping API support Scan-Based Billing	Yes, it is supported by default meaning if they are not tendered to UPS they are not billed.
Shipping	Third Party/Freight Collect Shipment	Does the Ship API validate account numbers when shipping Third Party and Freight Collect?	Yes, it validates if the account is active, valid for Manage Inbound charges and the postal code of the account billed
Shipping	Address Validation	How do I turn off validation of addresses with the Shipping API?	The value within the "ShipmentRequest/Request/RequestOption" tag of the request needs to be "nonvalidate".
Shipping	Address Validation	Will the Shipping API provide validation for Japanese addresses with City and Country and no zip code?	No, the postal code must be included for validation.
Shipping	Address Validation	What validation is the Shipping API using to validate addresses for US and International addresses?	Shipping API does not do ANY address validation at the street level. Only regional validation; city, state, country (postal code optional).
Shipping	Rural & Super Rural	Does the Shipping API - Package return Rural and Super Rural charges?	Yes the Shipping API will return rural and super rural charges. These charges will automatically be applied to the transportation charge portion of the rate
Shipping	UPS Account	How do I add a UPS account to myUPS ID account summary? It is stating that I have to have an invoice # and control ID.	As a means of securing customer information, when adding an account to their My UPS profile or enroll for electronic billing options or Quantum View, customers are currently prompted to authenticate their account by entering an invoice number, invoice amount, and the invoice date from one of their last three billing cycles along with the Control ID printed just below the shipper number on their invoice. This provides is an additional layer of security to protect our customer's information. The Control ID is currently included in the following U.S. and Canada Invoice Media types:• Online PDF Images• EDI Domestic and Import• Hard Copy Invoices
Shipping	International Commodities	Is there a limit of the number of line	Yes, when using international forms only 50 line items (commodities) can be associated per shipment using the Shipping

API	Category	Question	Answer
		items for the Commercial Invoice?	API.
Shipping	HazMat - Dry Ice	Does the Shipping API for Package support the Dry Ice indicator?	Yes, effective with the July 2011 release, the Shipping API will support Dry Ice, as long as; it does not include any other Hazmat materials in the shipment and meets the requirements. Please refer to UPS.com for more information.
Shipping	99 Account Number Limitation	How do I associate more than 99 account numbers for use with the Shipping APIs?	99 accounts is currently the maximum number available. If the user has more than 99 accounts they must be spread across multiple UserIds.
Shipping	Proactive Response	Is Proactive Response Supported?	No, the Shipping API does not support Proactive Response
Shipping	Delivery Intercept	Is UPS Delivery Intercept available through the Shipping API?	No, it is not currently supported.
Shipping	Shipper Release	Is Shipper Release available with the Shipping API?	Yes.
Shipping	Resi/Comm Indicator	Does the Shipping API classify addresses as residential or commercial?	The Shipping API will classify an address based on UPS" history for that address and the appropriate rate will be returned in the response
Shipping	Returns	Is there a URL ONLY capability for returns within the Shipping API?	No.
Shipping	Returns	Can a Return be voided? If yes, what is the cutoff timing to void a return?	A customer can void an RS label up to 2am/3am Eastern Time the following night (e.g. Monday request, Tuesday 2am/3am void cutoff). This is based on when our batch process starts sending RS1/RS3 labels to the centers. After the cutoff, the customer will not be able to void, and the UPS agent is also not able to void. If the void is completed by the cutoff time then the customer will not be charged.

For ERL and PRL, the labels can be voided up to 30 days after generation. Please note that the Label generation fee, if applied is not voidable and that unused labels will not be billed transportation charges. |
| Shipping | Returns | Does the Shipping API support international returns and returns | Yes. Please see the UPS Developer's Guide for the specific countries supported |

API	Category	Question	Answer
		in international countries where the Shipping API is supported?	
Shipping	Print Return Labels	For the print return label option, if a Yahoo merchant needs to reprint the return label, how much time does he have? Is it 10 days after the initial request?	UPS does not provide a mechanism to "reprint" a Print Return Label (PRL) the vendor must save the label locally if they wish to reprint. Only the ERL (Electronic Return Label) option provides that capability.
Shipping	UPS Return Labels	Does UPS charge the accessorial fee for a return label when using the API?	Yes, the customer will be charged the accessorial fee once they request a return label.
Shipping	Returns	Does the Shipping API - Package support Returns capabilities?	Yes.
Shipping	Electronic Return Label Days Available	Does the customer have to utilize the label recovery capability within the Ship API to reprint an electronic return label? Either way, how many days is the label available to reprint?	Yes, effective with the July 2010 Release, the time limit for retrieving an Electronic Return Label has been extended to 30 days. The prior limit was 10 days. This is noted in the latest Shipping Developers Guide. An Electronic Return Label is specified by using Shipment/ReturnService/Code "8" in the Shipment Confirm Request. The ERL email will contain a link to the label so the recipient can print the label to attach to a package.
Shipping	Returns	Are the Returns capabilities the same within the Web Service versus XML versions of the Shipping API - Package?	Yes. The Returns capabilities are the same.

API	Category	Question	Answer
Shipping	128 Reference Number Barcode	Can the Shipping API - Package generate a 128 Reference number barcode below the 1Z? Can it generate a PDF417 Reference number barcode below the 1Z?	Yes. A 128 Reference number barcode can be generated below the 1z number, as the Shipping API can print a barcode in reference field 1. The Shipping API - Package does not create a PDF417 as they are not required. The purpose of the PDF417 was as a backup in case the PLD did not transmit from a shipping system. That is not possible with the Shipping API - Package because a label is only returned after the receipt of PLD.
Shipping	Currency Conversion	Does the Shipping API - Package support conversion of Japanese Yen to US Dollars?	No. The Shipping API - Package does not support currency conversions.
Shipping	From Suite/Apt# on Label	How does a customer include the Suite/Apt# within "From" address on the label returned for the Shipping API - Package?	The customer needs to include the suite/apt # in delivery address lines 2 or 3 within the request.
Shipping	High Value Report	How does the Shipping API - Package work with High Values? Does the paperwork comeback as a GIF image and get printed on a thermal printer? Or, does the customer need to produce these themselves?	The High Value Report is returned in the response in one of the supported formats specified by the developer. In each case it will be a Base64 encoded file that must be decoded and printed. 2 copies should be printed, both will be signed by the driver and the driver will leave one copy as a receipt. The file, once decoded is a simple HTML file that can be printed locally

API	Category	Question	Answer
Shipping	Pickup request	Can a Pickup be requested through the Shipping API - Package?	No. All pickup requests must be made through the Pickup web service. Details are available at the Developer resource center on ups.com at: https://www.ups.com/upsdeveloperkit. For customers who implemented the Shipping API - Package prior to January 2010 can continue to request a pickup through the Shipping API as part of their shipping request. Please not the billing of pickups changed in January 2010 and the customer will be charged for each request regardless of the service type shipped. Please review the Rate & Service Guide for more details about pickup charges and services.
Shipping	Label/Receipt	Does the Shipping API - Package provide a label and receipt but does not email a receipt for the user nor provide a confirmation number?	The output of the Shipping API is a label. There is no receipt provided. In addition, Ship API only provides the ability to have the label emailed with the ERL (Electronic Return Label) service and not for forward shipments
Shipping	Commerical Invoice	Can a API customer export shipments to print a copy of the commercial invoice after the fact?	The API will return a commercial invoice as part of the response file. Therefore, the customer must save the image from the response file to retrieve it later. If they didn't save the response then the API does not store it for retrieval.
Shipping	Reprinting Labels	Can a customer using the Shipping API reprint a label?	No, at this time the Shipping API does not provide the ability to reprint labels.
Shipping	Oracle	Are there any known issues with implementing Oracle with the Shipping API - Package?	UPS is not aware of any issues customers have implementing the Shipping API - Package using Oracle at this time. The UPS Developer APIs are designed so that they can be implemented in almost any environment as long as the customer application can open a secure connection of SSL and perform an HTTP Post.
Shipping	Trade Direct	Does the Shipping API support Trade Direct?	No, the Shipping API does not support Trade Direct shipments.

API	Category	Question	Answer
Shipping	Paperless Invoice	Does the Shipping API - Package support Paperless Invoice?	Yes. The developer guide for the Shipping API - Package lists the valid countries for paperless invoice. See the AdditionalDocumentIndicator Element within the Interface Spec within the developer guide. Once the shipment is processed an EDI (paperless invoice) or EDI PULL (paperless invoice and additional export document indicator) will appear on the bottom right corner of the label image returned in the ShipAcceptResponse label digest. This indicates that Paperless Invoicing has been requested.
Shipping	Paperless Invoice voids	Can a Paperless Invoice shipment be voided through the Shipping API - Package? If yes, what happens to the invoice information?	Yes a Paperless Invoice shipment can be voided via the Shipping API - Package. If a shipment is voided and consequently the package is never tendered to UPS, then the paperless invoice data that was uploaded with the shipment is not used to create an invoice image and it is eventually purged.
Shipping	Paperless Invoice Shipment	How does Paperless Invoice work in terms of the documentation being forwarded?	Those customers setup for paperless invoicing shipping internationally to a paperless supported country with the necessary data for paperless will have the invoice automatically sent to brokerage.
Shipping	Paperless Invoice Conditions	What are the pre-conditions required for a customer to be set up on Paperless Invoice?	The process to support Paperless Invoice using the Shipping API are listed below: 1. The Sold To country must be the same as the Ship To country. 2. The customer must have a paperless invoice contract and be set up in UPS back end systems. (The UPS Account Manager should set this up.) 3. The shipment is a non-document package forward shipment requiring a commercial invoice. 4. The destination country is a valid paperless invoice destination. (A list of those destinations is available in the Developer's Guide.) 5. If additional export documents are required for the movement, the customer must specify an <AddtionalDocumentIndicator/> in the XML request. If the above conditions have been met an EDI (paperless invoice) or EDI PULL (paperless invoice and additional export document indicator) will appear on the bottom right corner of the label which is returned in the ShipAcceptResponse XML. This indicates that Paperless Invoicing has been requested. To implement paperless invoicing an <InternationalForms> container must be present in the XML to provide the information necessary to replace a paper invoice with a paperless (electronic) invoice. There is a section devoted to International Forms in the Developer's Guide which provides the XML structure for Certificate of Origin (CO), Invoice, North American Free Trade Agreement Certificate of Origin (NAFTA CO), or Shipper's Export Declaration (SED) as appropriate. The shipper needs to add the container along with the necessary international forms information

API	Category	Question	Answer
			for the shipment.
Shipping	Ref Number 1 - Text Values on Label	Can a customer implementing the Shipping API - Package "rename" reference value one through the API	No, The reference field descriptions cannot be modified at this time. You must use one of the values provided in the Developer's Guide.
Shipping	Batch Processing	Does the Shipping API support Batch?	No, the Shipping API only supports transactional requests.
Shipping	Resi/Comm Indicator	How do you indicate the "Ship TO" as residential?	Use the ResidentialAddress element outlined within the Shipping API - Package developer guide.
Shipping	Voids	How are voids processed?	For forward and return movements send a VoidShipmentRequest element and UPS will return a VoidShipmentResponse. Forward movements must be voided within 28 days of creating the label. Return shipments must be voided within 24 hours.
Shipping	Tracking Numbers	Can a customer create their own tracking numbers using the Shipping API - Package?	No…a customer cannot create their own tracking numbers using the Shipping API - Package. The tracking numbers will be automatically created and returned in the response
Shipping	UPS World Ease	Does the Shipping API - Package support UPS World Ease?	No…the Shipping API - Package does not support UPS World Ease at this time.
Shipping	International Forms	Does the Shipping API - Package support international forms?	Yes.
Shipping	Shipper's Export Declaration (SED)	Does the customer has to complete their SED filing or is there an option for UPS to do that for the customer via the Shipping API?	Yes, the customer has to complete their own filing and you can identify it has been filed in your request but the Shipping API does not provide an option UPS to file a customer's SED.

API	Category	Question	Answer
Shipping	Label	Does the Web Services version of the Shipping API - Package behave differently in rendering a label than the XML version of the Shipping API - Package?	The Web Services Shipping API - Package behaves similarly as the XML Shipping API - Package in that the label elements returned in the Shipment Accept response consist of two parts, both of which are base64 encoded data which must be decoded. Part one consists of the label image and part two contains the HTML which is used to properly size the label image in a browser for display and printing. When the two parts are combined they form a unit which will satisfy the requirements for printing a proper label to apply to a package. This ensures the label will meet the standards necessary for UPS to scan and process the label within the shipping system.
Shipping	Maximum Packages within a shipment	Is there a difference between the Shipping API - Package Web Service versus XML versions in the number of packages that can be included within a forward movement?	There is no difference between the Shipping XML API and Web Service API regarding the maximum number of packages allowed for forward movements. The Web Service Developer Guide indicates 200 is the maximum.
Shipping	CWT and Shipping API	Is there a solution using the ship API (or other solution) that would prompt UPS billing or PLD upload or other to aggregate single piece packages into hundredweight pricing (shipment) after the package has been processed?	No, there is no solution in place for the Ship API. In order to obtain the CWT price with the Ship API, the pkgs. would have to be processed as one shipment, the UserId being used must be ABR enabled and you must include the <NegotiatedRatesIndicator> tags to receive the Hundredweight rates.

API	Category	Question	Answer
Shipping	Reference Number Rules	What does the Shipping API - Package support in terms of Reference Numbers?	Supports Two Shipment Level Reference Numbers or two package level reference numbers You cannot use the Shipment Level and Package Level Reference numbers at the same time within a SHIP API shipment. Shipment Level Reference Numbers are only allowed for shipments that are not US to US (origin\destination) or PR to PR (origin\destination) Package Level Reference Numbers are only allowed for shipments that are US to US (origin\destination) or PR to PR (origin\destination). Reference Number Propagation 1. In a Ship API Shipment, if there is no Package Level. Ref# on the 1st package of the shipment, the Shipment Level. Reference number(s) will be propagated to all packages. Reference Number Propagation In a Ship API Shipment, if there is no Shipment level reference number and there is Package Level. Reference number on the 1st package, the 1st package's reference number will be propagated up to the Shipment Level.
Shipping	Labeling	Does the Shipping API support ASC BIO labels like WorldShip does?	The Ship API does not support ASC BIO on the label it is a contract service that is not supported by the Shipping
Shipping	Label Reference Number	Can any of the reference fields be blocked from printing on the label through a Shipping API?	At this time we are unaware of a facility which suppresses reference number printing on the label when they are included in the shipment data. However, please note that reference numbers are not required and may be omitted if there is no need for them.
Shipping	Certification	What is required to certify for the Shipping API - Package?	Please review the Customer Integration Environment section of UPS Developer's Guide for certification requirements. Essentially UPS needs to see the source XML and copies of your labels to certify you.
Shipping	Signature Required	Does the Shipping API - Package support Signature Required service?	Yes.
Shipping	Future Date Shipping	Is there a future date shipping capability within the Shipping API - Package?	No. We do not support future date shipping. All packages are considered tendered on the date of their transaction.

API	Category	Question	Answer
Shipping	Security for Credit cards	Please describe the security on the UPS web server? Is the credit card information submitted over an encrypted (secure) connection?	Yes, we use 128 bit encryption for all aspects of the APIs. In addition credit card information is "tokenized" once we receive it, so we never store it in plain text
All	General - security	Does UPS support chained or unchained digital certificates?	Yes, we support chained digital certificates.
All	API availability	Within what countries are the Developer APIs available?	The Developer APIs are available in the countries listed at ups.com by API and by country under the UPS Developer Resource center located at: https://www.ups.com/upsdeveloperkit
All	Mail Innovations	Is Mail Innovations available within any of the Developer APIs?	No, Mail Innovations is not available within a Developer API.
All	UPS Logos High Resolution	How do I get access to higher resolution logos than what are available within the downloads for the UPS Developer Kit - Developer APIs?	Customers are not routinely provided these UPS shield graphics without having a design/layout submitted to UPS Brand Management for approval. The customer needs to visit: https://www.upsbrandexchange.com/brandHome.awsp This site will take them through the process for downloading a limited set of sample images for layout, and how to secure an approval for customer use, as well as the high-resolution graphics.
All	Technical Support email form	Is XPCI a required field within the email support form?	No. it is not required.
All	Technical Support	How do I get technical support for the APIs at ups.com?	Go to the Developer Resource Center and select email support under the UPS Developer Kit Support Column (link noted): http://www.ups.com/content/us/en/resources/techsupport/developer center.html
All	Characters	Can Japanese Kanji character be recognized by UPS Developer APIs?	No.
All	Basic	Do any of the Developer APIs support Basic service?	No. Basic is not supported within the Shipping API.

API	Category	Question	Answer
All	ASMX	Are the Web Services versions of the APIs ASMX based?	No. All Web Services are XML based. This is described in the section 'UPS Developer Kit Technologies' of every developer's guide
All	Pointing to the wrong URL for API	I keep getting, "XML document is well formed but the document is not valid." error message. What am I doing wrong?	The "XML document is well formed but the document is not valid" error message is generally returned when an element in the XML request does not adhere to the formatting defined within the Xpath section of that API's developer guide. When the API returns this error it indicates the field which is not valid in the ErrorLocationElementName element in the XML response. When we test the XML provided by you earlier in this email chain we are able to receive a successful response.

Most likely you may be posting to an incorrect URL. The error message returned from the API should have contained a line similar to the following:
  <ErrorLocationElementName>XPATH TO FIRST ELEMENT WHERE XML DOESN'T MATCH EXPECTED FORMAT</ErrorLocationElementName> |
| All | Phone Support | Is phone support provided for the UPS Developer Kit - Developer APIs? If so, what is the number and what are the hours of operation? | Yes. Phone support is provided for basic API questions. This includes integration questions and production questions. However, customer's questions that cannot be answered verbally will be directed to the email support form at ups.com.
Phone Support Hours:
M-F 730am- 9pm EST
Sa-Su 9am - 6pm EST
800-247-9035 |
| All | Examples of API Implementations | Are there any examples of implementations that we can review to understand how best to utilize the APIs? | No, we do not provide implementation examples. |
| All | Code languages supported | Do the APIs support PHP or Perl with code sample within the Developer Guides or the developer kit zip files? | Yes, We currently support PHP or Perl with sample code. |
| All | Password changes | Are there new login password requirements? | Yes, for new or updated passwords the following rules apply:

- Must be 8 to 26 characters long
- Must include 3 of the following categories:
  - Lowercase letter
  - Uppercase letter
  - Number |

API	Category	Question	Answer
			o Special character (#, %, @,*)
			o Space
			• Must not contain any of the following information:
			o User ID
			o Name
			o E-mail address
			Note: (must be at least 8 characters), at the minimum it must also include upper and lower case letters and a number.
			For example: **PaSSword22**