

UPS OnLine® Tools Shipping XML Tool Developers Guide

9 February 2009



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Important Information

UPS OnLine Tools Shipping Tool:

Your development of an application using the UPS OnLine Tools Shipping Tool is 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 OnLine Tools Shipping Tool. For more information on all requirements for the UPS OnLine Tools Shipping Tool, please refer to the UPS Technology Agreement or the Customer Technology Agreement.

Key Legal Requirements for UPS OnLine Tools Shipping Tool:

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 OnLine Tools Shipping Tool to third parties, other than to persons having a bona fide interest in such information (e.g., the shipper, consignee or the third party payer).

UPS Account. You must design your application to only provide a user access to the UPS OnLine Tools Shipping Tool if the user has a UPS Account. Once the user provides UPS Account credentials, all tendered shipments manifested through the UPS OnLine Tools Shipping Tool must be billed to (1) Your UPS Account; or (2) a valid credit card account acceptable to UPS; or (3) a UPS account assigned by UPS to the consignee (this payment method also known as Freight Collect Billing); or (4) a UPS account assigned by UPS to a third party who has authorized You to use such UPS account for a tendered shipment (this payment method also known as Third Party Billing).

Consent to Use of UPS Mark.

- All screens or forms generated by your application including information received through the UPS OnLine Tools Shipping Tool 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 Notices. You must include in your application and any POD Letters you prepare 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 OnLine Tools Shipping Tool. Your application must present all data within each field received through the UPS OnLine Tools Shipping Tool without amendment, deletion or modification of any type.

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Welcome to UPS OnLine® Tools

Welcome to the UPS OnLine Tools Developers Guide. This guide provides the information you need to begin using UPS OnLine Tools.

The UPS OnLine Tools offer a fast and convenient way to access UPS service information using the Internet. With these tools, 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.

How to Use this Guide

If you are an experienced developer, you can begin developing applications quickly after reviewing “Required Steps for Integrating with UPS OnLine Tools” for a brief overview of the tools.

If you would like a more step-by-step guide to developing and deploying UPS OnLine Tools, “Planning Your Applications” provides advice and describes options for developing and deploying applications and web sites that use UPS OnLine Tools.

The “UPS OnLine Tools Technologies” section explains key technologies on which the UPS OnLine Tools rely. That section also includes hints for using those technologies in various software development environments.

If you would like to learn more about what UPS OnLine Tools can do for your applications, “Understanding UPS OnLine Tools Shipping Services” explains the services that those tools offer.

For a complete technical reference to the OnLine Tools, “Shipping Reference” includes a complete programming reference.

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

What's New for January 2009

New Functionality for January 2009:

- Germany to non-EU export shipments over 100 Euros may require an Export Accompanying Document (EAD). When the shipper has a Movement Reference Number for the EAD, the Ship Tool now allows that value to be entered:
 - New element: MovementReferenceNumber (See page 83)
 - New error messages:
 - 120759 (See page 150)
 - 120760 (See page 150)
 - 120761 (See page 150)

New Electronic Return Label Rules for January 2009:

- The time limit for retrieving an Electronic Return Label has been extended to 30 days. (The prior limit was 10 days)

New Pickup Rules for January 2009:

- Pickups can now be scheduled in Poland, Czech Republic, and Hungary.

New Rating Rules for January 2009:

- UPS will apply a minimum billable weight to each package for all non-US shipment rated services.
- UPS will apply a tier specific minimum billable weight per package for US Domestic Air and Ground Hundredweight Shipments
- UPS will now assess an Additional Handling Charge (AHC) *globally* for all services, all billing options, and all package movements.

New Address Classification Rules for January 2009:

- UPS will now classify *full* Canadian addresses as well as *full* US addresses.

Defect Fixes for January 2009:

- The description for element “InvoiceLineTotal” has been corrected to remove the “forward shipment” restriction. (See page 86)
- The description for element “ReasonForExport” has been corrected to limit the allowable values to the set in the description. (See page 131)

- The descriptions for AddressLine2 for shipper, ShipTo and ShipFrom have been clarified. AddressLine2 does NOT appear on the label; however, it is transmitted to UPS systems.

Required Steps for Integrating with UPS OnLine Tools

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

Planning Your Applications

Planning is a key part of any successful development activity, and UPS OnLine Tools applications are no exception. This section helps that planning by describing the important activities of any UPS OnLine Tools 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.

OnLine Tools Applications

Many different types of applications can take advantage of UPS OnLine Tools. Those application types include dedicated desktop applications, databases, web applications, and documents. The following figures illustrate some of the possibilities for applications using UPS OnLine Tools. 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 OnLine Tools.

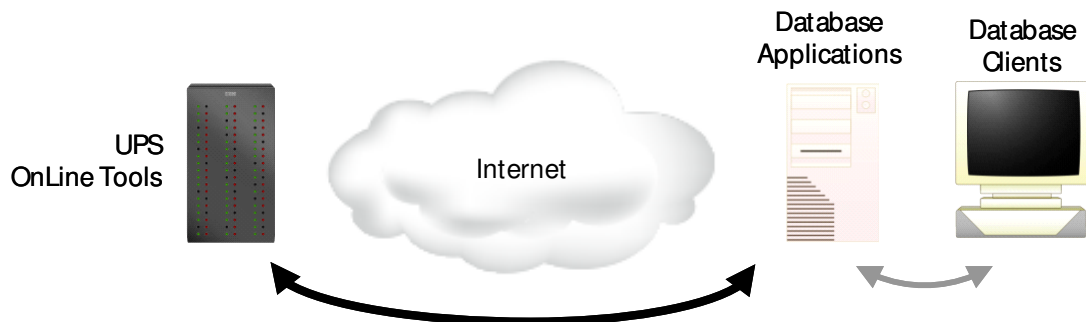


Figure 2: Database applications can access UPS OnLine Tools and return information to their clients.

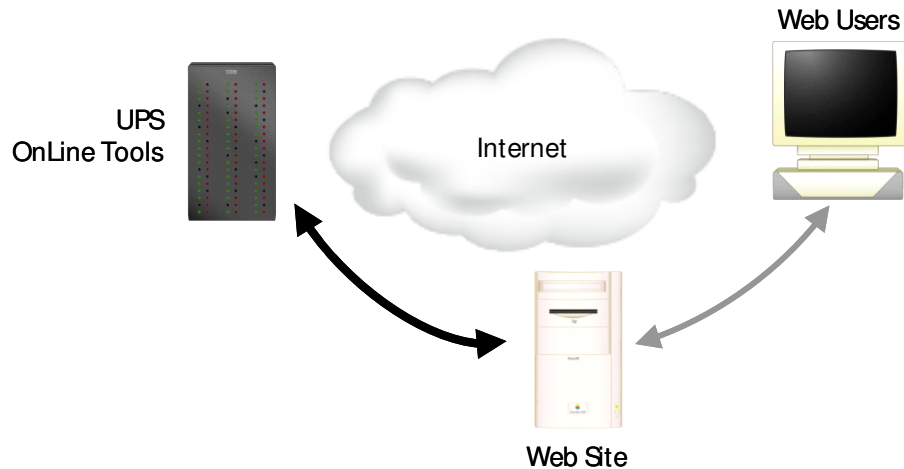


Figure 3: Web sites can access UPS OnLine Tools and return information to users' web browsers.

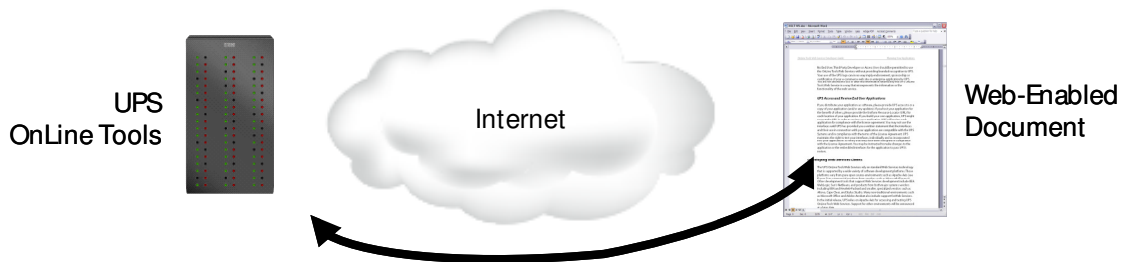


Figure 4: Non-traditional applications such as Microsoft Office or Adobe Acrobat documents can use UPS OnLine Tools to automatically update their content.

The UPS OnLine Tools 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 OnLine Tools.

Licensing the UPS OnLine Tools

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

Branding Requirements

UPS should receive attribution and branding in all applications (including websites and software applications) that use the OnLine Tools. No End User, Third Party Developer or Access User should be permitted to use the OnLine

Tools without providing branded recognition to UPS. Your use of the UPS logo can in no way imply endorsement, sponsorship or certification of your e-commerce web site or enterprise application by UPS. You are not allowed to use or alter the information returned by the UPS OnLine Tools in a way that misrepresents the information or the functionality of the service.

Developing Client Applications for OnLine Tools

When you develop software that uses the UPS OnLine Tools, you are building a client application. Because the UPS OnLine Tools 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.

Microsoft Visual Studio

Visual Studio

Developers using the Microsoft Visual Studio environment can rely on the Microsoft XML Core Services (MSXML) for interacting with UPS OnLine Tools. 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.

Java Standard Edition and Enterprise Edition

Java

Java developers can find all the classes they need for UPS OnLine Tools 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.

Open Source

Open Source

There are a number of open source efforts that include technology useful for creating OnLine Tools 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.

Getting Technical Support

UPS provides technical support for developers who are using the UPS OnLine Tools. To get in touch with a UPS technical support engineer, fill out the technical support request form on the UPS web site.

Within the United States

Effective July 2007, there is a phone number for External Customer Technology Support (ECTS): 1-877-289-6420 for customers who have completed testing in the Customer Integration Environment and are ready to process live shipments.

For developers in the United States, the request form may be found by selecting “Contact UPS” from the www.myups.com web site, or from www.ups.com from the steps below.

1. Navigate to the UPS website <http://www.ups.com>.
2. Select a language, (ex. United States – English).
3. Log into www.ups.com with your User ID and Password.
4. Click the “Support” tab
5. Select “Technology Support” from “Support” tab
6. Click on “UPS OnLine Tools”, and then click “Tools Support” on the left-hand navigation window.
7. Click the link for technical support.
8. Complete the e-mail form. Please explain details about errors that are being returned, and under what circumstances.

Outside of the United States

Developers outside the United States can find the technical support request in the OnLine Tools page within the Support section of their country's UPS web site.

1. Navigate to the UPS website <http://www.ups.com>.
2. Select a language,
3. Log into www.ups.com with your User ID and Password.
4. Click the “Support” tab
5. Select “Technology Support” from “Support” tab
6. Click on “UPS OnLine Tools”, and then click “Tools Support” on the left-hand navigation window.
7. Click the link for technical support.
8. Complete the e-mail form. Please explain details about errors that are being returned, and under what circumstances.

For more information or assistance with UPS technical support, please contact your UPS OnLine Tools representative.

Testing and Deploying Applications

UPS maintains a special environment to support testing and staging of applications that rely on UPS OnLine Tools. 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.

UPS Label Certification

UPS requires that customers pass a Certification process prior to shipping actual (billable) packages. The Certification Process is as follows:

1. Ship five shipments in the Customer Integration Environment (CIE). These shipments must be valid shipments but may contain any combination of origins, destinations and services. At least one of these tests must produce a High Value Report by including a shipment with an InsuredValue greater than \$999.
2. Void the four UPS-defined “Void” test cases in CIE.
3. If you are using a Browser, e-mail the following 39 files along with your UPS OnLine “Developer’s Key” to uoltects@ups.com:
 - The requests and responses of the ShipConfirm and ShipAccept XML documents from all five shipments (20 files).
 - The resulting GIF images of the label from all five shipments (5 files).
 - The resulting GIF images of the High Value Report for at least one shipment (1 file).
 - The HTML pages containing the scaling information for the label from all five shipments (5 files).
 - The requests and responses of all the Void XML documents (8 files).
4. If you are printing labels via a Thermal Printer, the labels must be sent to UPS via a provided label from the Tool support group. Include a High Value Report for at least one shipment with the thermal labels. Email the following 28 files along with your UPS OnLine “Developer’s Key” to uoltects@ups.com:
 - The requests and responses of the ShipConfirm and ShipAccept XML documents from all five shipments (20 files).
 - The requests and responses of all the Void XML documents (8 files).

5. UPS will contact you within 2 business days to inform you of your approval status. Once approved, UPS will provide you with the Production URL.

Certification for third parties is described in the Product Provider Testing Guide.

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

Keeping Up-to-Date

As UPS adds new services and features, UPS OnLine Tools will evolve, offering more features and service benefits. Once you register to use UPS OnLine Tools, UPS will notify you by e-mail of updates and changes to the OnLine Tools. 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 occur or responsibilities for the OnLine Tools shift within your company. You can also return to the UPS Support area of ups.com for the latest updated information about UPS OnLine Tools.

UPS OnLine Tools Technologies

The foundation technologies for UPS OnLine Tools 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 tools 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 tools that can support them.

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 OnLine tools also rely on protocols to set the rules for their communications. The primary protocol for UPS OnLine Tools is the hypertext transfer protocol, or HTTP.

HTTP is a relatively simple protocol. An application that wants to use an OnLine Tool 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.

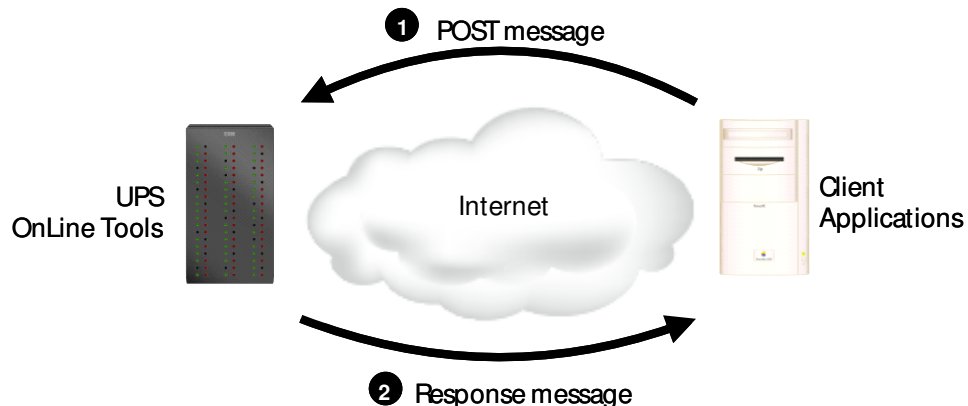


Figure 5. UPS OnLine Tools accept requests from client applications in HTTP POST messages and reply to the requests with HTTP responses.

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

In many cases the UPS OnLine tools exchange information that should be kept private. To protect confidential information, the UPS OnLine Tools 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 UPS OnLine Tools use is the same protocol used to secure millions of on-line purchases on the web.

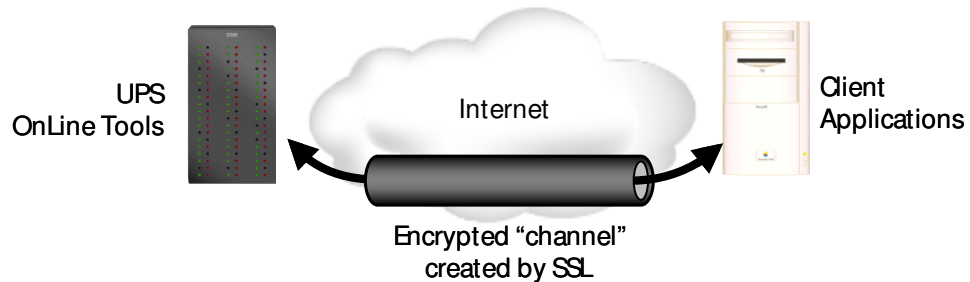


Figure 6: SSL creates a secure channel across a network and protects confidential communications using that channel.

Working with HTTP and SSL in Application Programs

UPS OnLine Tools 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 tools make using these protocols very simple.

Because HTTP and SSL are commonly used for web browsing, software development tools often rely on the same notation and abbreviations as standard web browsers. In particular, most tools identify a specific service (such as a UPS OnLine Tool) using a Uniform Resource Locator (URL). URLs begin with an abbreviation of the communication protocol. For UPS OnLine Tools 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 7 shows how a URL combines these individual components.

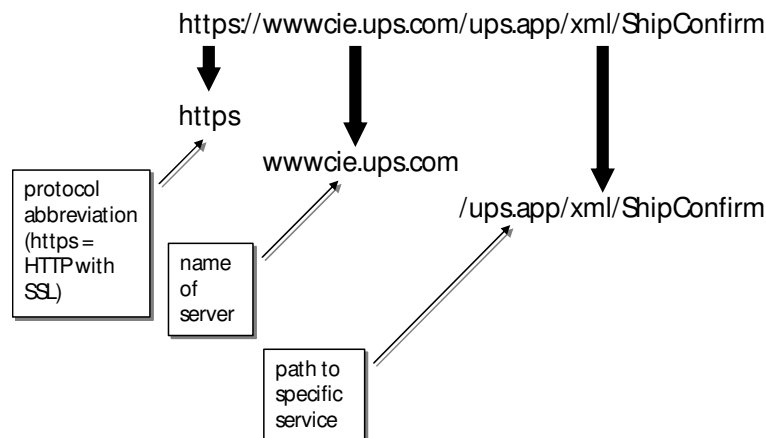


Figure 7. URLs identify communication protocols, servers, and specific services.

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

Microsoft Visual Studio

Visual Studio

The Microsoft Visual Studio environment includes many tools, classes, and libraries that simplify the use of HTTP and SSL protocols. A very convenient set of tools 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 8. Visual Basic programs can use features of the MSXML tools to send and receive messages using HTTP and SSL.

Java Standard Edition and Enterprise Edition

Java

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 9 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");
URLConnection conn = (URLConnection) 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 9. The URL class from the java.net package is a convenient way for Java programs to use HTTP and SSL.

Open Source

Open Source

The `libcurl` project is an open source project that includes support for using HTTP and SSL protocols. The fragment in Figure 10 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 10. The open source `libcurl` library simplifies the use of HTTP and SSL.

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 OnLine Tools, a message. Figure 11 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
  </isbn>
```

Figure 11: 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 tools represent XML messages in a tree-like data structure. That representation clarifies the structure of the message. Figure 12 shows the same XML message as Figure 11, but it uses a more visual representation to highlight the message's structure.

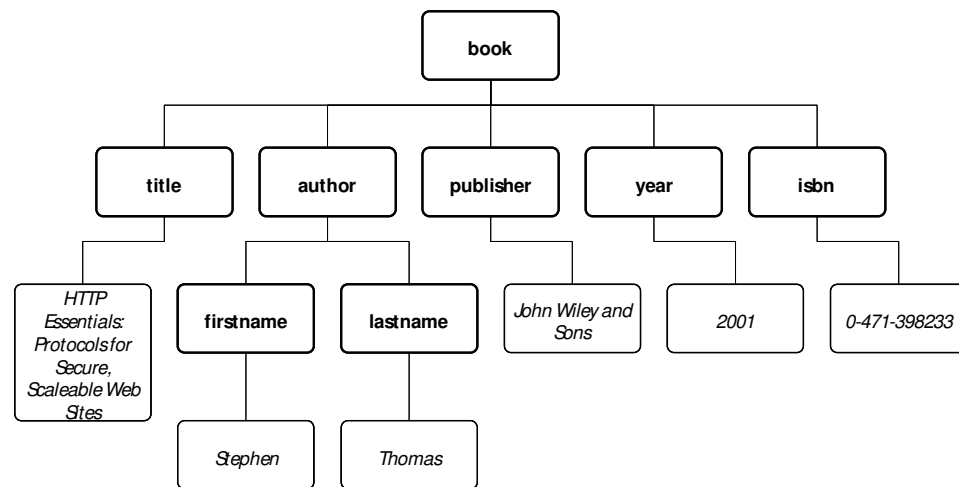


Figure 12. It is often convenient to show XML messages in a tree-like graph to highlight their structure.

The example of Figure 11 and Figure 12 is a relatively simple XML message with just a few elements. UPS OnLine Tools rely on XML messages that are larger than this simple example, and it is difficult to show them in a pure graph like Figure 12 without losing legibility. Figure 13 shows an alternate way of

depicting the tree-like structure of XML messages; it uses the same example as before.

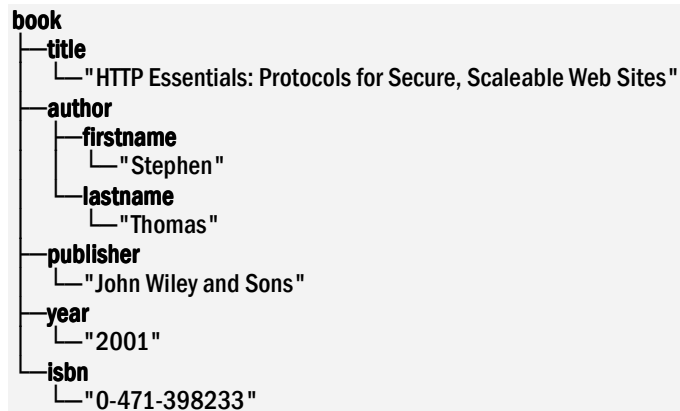


Figure 13. It is possible to show the tree-like structure of XML messages using text.

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/>.

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.

Microsoft Visual Studio

Visual Studio

The Microsoft XML Core Services (MSXML) offers one way to work with XML documents in Visual Studio applications. Figure 14 shows one approach for creating an XML message in Visual Basic, and Figure 15 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 14. 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 15. 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.

Java Standard Edition and Enterprise Edition

Java

The Java API for XML Processing (JAXP) is the preferred approach for working with XML messages in Java. Figure 16 shows how a `BookClass` object can be converted into an XML message, a process that JAXP calls *marshalling*. Similarly, Figure 17 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 16. JAXP provides a convenient way for Java applications to create XML messages from Java objects.

```
import javax.xml.bind.JAXBContext;
import javax.xml.bind.Unmarshaller;
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 17. JAXP also gives Java applications a convenient way to retrieve elements from an XML message.

Open Source

Open Source

As of this writing, the most popular open source tool 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 18 demonstrates creating an XML message in C++ with the xerces library. Figure 19 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 18. The Xerces C++ library includes classes that can create XML messages.

```
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 19. The Xerces C++ library also supports parsing XML messages to find individual elements.

Understanding UPS OnLine Tools Shipping Services

This section provides an overview of the OnLine Tools Shipping Services. It describes the services available through the OnLine Tools, and it explains—at an overview level—how the Tools operate. The next section, "Shipping Reference," documents the details of the Shipping Services OnLine Tools operations.

What Shipping Services Can Do

OnLine Tools make UPS shipping services available to client applications that communicate with UPS using the Internet. With the OnLine Tools applications can prepare or schedule small package shipments, manage returns, or cancel previously scheduled shipments.

Shipments

OnLine Tools 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 UPS OnLine Tools 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.

Cancellations (Voids)

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

Returns

UPS OnLine Tools also support the UPS returns services. Either as part of a forward shipment or in a separate process, clients can request a return label for their customers. (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>.

How Shipping Services Work

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

Forward and Return Shipments

For forward and return services client applications use a four-step procedure to process a shipment. As Figure 20 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.

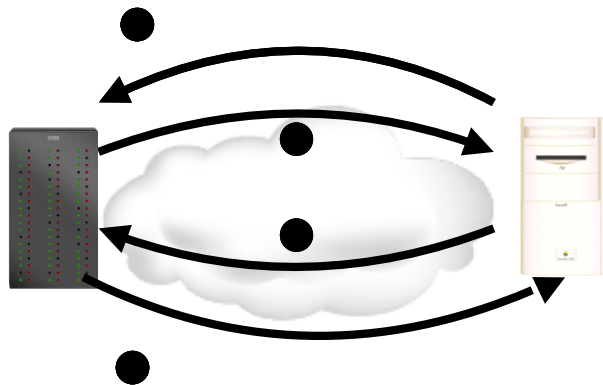


Figure 20. Forward and return shipments require four separate steps to complete the shipment processing.

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.

Cancellations (Voids)

To cancel, or *void*, a previously scheduled shipment, client applications send a `VoidShipmentRequest` to UPS. As Figure 21 illustrates, UPS replies to this request with a `VoidShipmentResponse`.

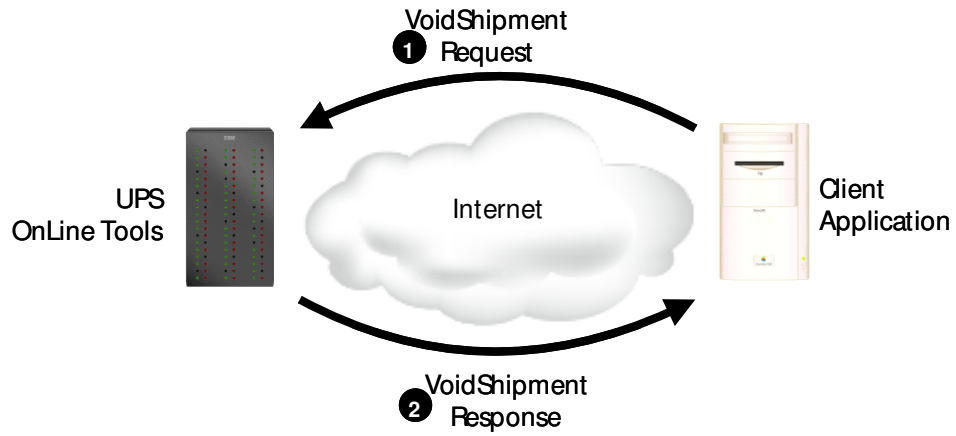


Figure 21. VoidShipmentRequest messages let client applications cancel a previously scheduled shipment.

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

Shipping 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 tool. The next subsections define the messages used by the tool for its services. The final subsection provides a list of error codes.

Describing OnLine Tools Messages

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

Authenticating Client Applications

UPS OnLine Tools 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

```
AccessRequest
├── AccessLicenseNumber::string
├── UserId::string
└── Password::string
```

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

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

Forward and Return Shipments

Four different message types make up a complete shipment processing procedure: ShipmentConfirmRequest, ShipmentConfirmResponse, ShipmentAcceptRequest, and ShipmentAcceptResponse.

ShipmentConfirmRequest

The ShipmentConfirmRequest message consists of two complete XML documents. The first document is an AccessRequest. The AccessRequest is immediately followed by (concatenated to) a ShipmentConfirmRequest. When a client application is undergoing testing and integration, the document combination should be sent to the URL:

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

Once a client application is in production, the combined documents should be sent to the URL provided as part of the certification process.

The ShipmentConfirmRequest document in the request must conform to the following XML structure.

(See next pages)

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

Yes: *Always* required

No: *Always* optional

Yes*: *Conditionally* required

Cond: Conditional

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
ShipmentConfirmRequest	/ShipmentConfirmRequest	Yes	1	Container	N/A									
Request	/ShipmentConfirmRequest /Request	Yes	1	Container	N/A									
RequestAction	/ShipmentConfirmRequest /Request /RequestAction	Yes	1	String	11	Indicates the action to be taken by the XML service.	Must be 'ShipConfirm'.							
RequestOption	/ShipmentConfirmRequest /Request /RequestOption	Yes	1	String	1..256	Optional Processing. 'nonvalidate' = No address validation. 'validate' = Fail on failed address validation. Defaults to 'validate'. Note: Full address validation is not performed. Therefore, it is the responsibility of the Shipping Tool User to ensure the address entered is correct to avoid an address correction fee.	Values blank, 'validate', or 'nonvalidate'.							

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
TransactionReference	/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 . Free form field for customers to us... (there was verbiage here previously with a description). See pg 210.								
XpciVersion	/ShipmentConfirmRequest /Request /TransactionReference /XpciVersion	No	1	String	4	Message version. Defaults to '1.0001'. (or is it now just 1.0?)								
Shipment	/ShipmentConfirmRequest /Shipment	Yes	1	Container	N/A									

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
Description	/ShipmentConfirmRequest /Shipment /Description	Cond	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.	Required if all of the listed conditions are true: ShipFrom and ShipTo countries are not the same; The packaging type is not UPS Letter; The ShipFrom and or ShipTo countries are not in the European Union or the ShipFrom and ShipTo countries are both in the European Union and the shipment's service type is not UPS Standard.							
ReturnService	/ShipmentConfirmRequest /Shipment /ReturnService	No	1	Container	N/A	Type of Return service. When this container exists, the shipment is a return shipment.			Yes					
Code	/ShipmentConfirmRequest /Shipment /ReturnService /Code	Yes*	1	String	1	Return Service types: '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)			Yes					

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
DocumentsOnly	/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.							
Shipper	/ShipmentConfirmRequest /Shipment /Shipper	Yes	1	String	1..35	Container tag for Shipper's information								
Name	/ShipmentConfirmRequest /Shipment /Shipper /Name	Yes	1	String	1..35	Shipper's company name.								
AttentionName	/ShipmentConfirmRequest /Shipment /Shipper /AttentionName	Cond	1	String	1..35	Shipper's Attention Name	Required if destination is international. Required if Invoice and Co International forms are requested and the ShipFrom address is not present.							

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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.							
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	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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 areacode, 7 digit phonenumber or areacode, 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.							
StructuredPhoneNumber	/ShipmentConfirmRequest /Shipment /Shipper /PhoneNumber /StructuredPhoneNumber	Cond	1	Container	N/A		Required if parent element, PhoneNumber, is required and a phone number is not provide at the parent node.							
PhoneCountryCode	/ShipmentConfirmRequest /Shipment /Shipper /PhoneNumber /StructuredPhoneNumber /PhoneCountryCode	No	1	String	1..3	The Country Code portion of the phone number.	Not valid for US phone numbers.							

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
PhoneDialPlanNumber	/ShipmentConfirmRequest /Shipment /Shipper /PhoneNumber /StructuredPhoneNumber /PhoneDialPlanNumber	Yes	1	String	1..15	Dial plan number portion of the phone number.								
PhoneLineNumber	/ShipmentConfirmRequest /Shipment /Shipper /PhoneNumber /StructuredPhoneNumber /PhoneLineNumber	Yes	1	String	1..15	Line number portion of the phone number.								
PhoneExtension	/ShipmentConfirmRequest /Shipment /Shipper /PhoneNumber /StructuredPhoneNumber /PhoneExtension	No	1	String	1..4	Shipper's phone extension.								
FaxNumber	/ShipmentConfirmRequest /Shipment /Shipper /FaxNumber	No	1	String	1..14	Shipper's Fax Number.								

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
EEmailAddress	/ShipmentConfirmRequest /Shipment /Shipper /EEmailAddress	No	1	String	1..50	Shipper's email address.								
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. 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							
AddressLine1	/ShipmentConfirmRequest /Shipment /Shipper /Address /AddressLine1	Yes	1	String	1..35	Address Line 1 of the shipper.								
AddressLine2	/ShipmentConfirmRequest /Shipment /Shipper /Address /AddressLine2	No	1	String	1..35	Address Line 2 of the shipper. Usually Room/Floor information. Note: This information does NOT appear on the label								

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
AddressLine3	/ShipmentConfirmRequest /Shipment /Shipper /Address /AddressLine3	No	1	String	1..35	Address Line 3 of the shipper. Usually department information. Note: This information does NOT appear on the label								
City	/ShipmentConfirmRequest /Shipment /Shipper /Address /City	Yes	1	String	1..30	Shipper's city.								
StateProvinceCode	/ShipmentConfirmRequest /Shipment /Shipper /Address /StateProvinceCode	Cond	1	String	2..5	Shipper's state or province code.	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	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
CountryCode	/ShipmentConfirmRequest /Shipment /Shipper /Address /CountryCode	Yes	1	String	2	Shipper's country code. Refer to Origin Country Information table for valid origin countries and their UPS Billing codes.	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) None of the following country codes are the same and at least one of them is not a member of the EU, the shipper must have Third Country contract service: ShipTo, ShipFrom, and Shipper.							
ShipTo	/ShipmentConfirmRequest /Shipment /ShipTo	Yes	1	Container	N/A									

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
CompanyName	/ShipmentConfirmRequest /Shipment /ShipTo /CompanyName	Yes	1	String	1..35	Consignee's company name.								
AttentionName	/ShipmentConfirmRequest /Shipment /ShipTo /AttentionName	Cond	1	String	1..35	Contact name at the consignee's location.	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							
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	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
PhoneNumber	/ShipmentConfirmRequest /Shipment /ShipTo /PhoneNumber	Cond	1	Mixed: String or StructuredPhoneNumber element	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 areacode, 7 digit phonenumber or areacode, 7 digit phonenumber, 4 digit extension number; number; for other countries, the layout is countrycode, area code, 7 digit number							
StructuredPhoneNumber	/ShipmentConfirmRequest /Shipment /ShipTo /PhoneNumber /StructuredPhoneNumber	Cond	1	Container	N/A		Required if parent element, PhoneNumber, is required and a phone number is not provide at the parent node.							
PhoneCountryCode	/ShipmentConfirmRequest /Shipment /ShipTo /PhoneNumber /StructuredPhoneNumber /PhoneCountryCode	No	1	String	1..3	The Country Code portion of the phone number.	Not valid for US phone numbers.							

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
PhoneDialPlanNumber	/ShipmentConfirmRequest /Shipment /ShipTo /PhoneNumber /StructuredPhoneNumber /PhoneDialPlanNumber	Yes	1	String	1..15	Dial plan number portion of the phone number.								
PhoneLineNumber	/ShipmentConfirmRequest /Shipment /ShipTo /PhoneNumber /StructuredPhoneNumber /PhoneLineNumber	Yes	1	String	1..15	Line number portion of the phone number.								
PhoneExtension	/ShipmentConfirmRequest /Shipment /ShipTo /PhoneNumber /StructuredPhoneNumber /PhoneExtension	No	1	String	1..4	ShipTo's Phone extension.								
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.							

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
EEmailAddress	/ShipmentConfirmRequest /Shipment /ShipTo /EEmailAddress	No	1	String	1..50	Ship To email address.								
Address	/ShipmentConfirmRequest /Shipment /ShipTo /Address	Yes	1	Container	N/A									
AddressLine1	/ShipmentConfirmRequest /Shipment /ShipTo /Address /AddressLine1	Yes	1	String	1..35	Address Line 1 of the consignee.								
AddressLine2	/ShipmentConfirmRequest /Shipment /ShipTo /Address /AddressLine2	No	1	String	1..35	Address Line 2 of the consignee. Usually Room/Floor information. Note: This information does NOT appear on the label								
AddressLine3	/ShipmentConfirmRequest /Shipment /ShipTo /Address /AddressLine3	No	1	String	1..35	Address Line 3 of the consignee. Usually department information.								

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
City	/ShipmentConfirmRequest /Shipment /ShipTo /Address /City	Yes	1	String	1..30	Consignee's city.								
StateProvinceCode	/ShipmentConfirmRequest /Shipment /ShipTo /Address /StateProvinceCode	Cond	1	String	2..5	Consignee's state or province code. Required for US or Canada.	If destination is US or CA, then the value must be a valid two character US State/Canadian Province code. If the country is Ireland, the StateProvinceCode will contain the county.							
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. The character '-' may be used to separate the first five digits and the last four digits. 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	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
CountryCode	/ShipmentConfirmRequest /Shipment /ShipTo /Address /CountryCode	Yes	1	String	2	Consignee's country code.	Must be a valid UPS Billing country code. Refer to supported return service movements. 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) None of the following country codes are the same and at least one of them is not a member of the EU, the shipper must have Third Country contract service: ShipTo, ShipFrom, and Shipper.							
ResidentialAddress	/ShipmentConfirmRequest /Shipment /ShipTo /Address /ResidentialAddress	No	1	String	0	Consignee's Residential address indicator. The presence indicates a residential address; the absence indicates a business address.								

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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							
CompanyName	/ShipmentConfirmRequest /Shipment /ShipFrom /CompanyName	Yes*	1	String	1..35	Pickup location's company name.	Required if ShipFrom tag is in the XML.							
AttentionName	/ShipmentConfirmRequest /Shipment /ShipFrom /AttentionName	Yes*	1	String	1..35	Contact name at the pickup location.	.Required if ShipFrom tag is in the XML and Invoice or CO International forms is requested							
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	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
PhoneNumber	/ShipmentConfirmRequest /Shipment /ShipFrom /PhoneNumber	Cond	1	String	1..15	Pickup location's phone number.	If ShipFrom country is US, PR, CA, and VI, the layout is areacode, 7 digit phone number or areacode, 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							
StructuredPhoneNumber	/ShipmentConfirmRequest /Shipment /ShipFrom /PhoneNumber /StructuredPhoneNumber	Cond	1	Container	N/A		Required if parent element, PhoneNumber, is required and a phone number is not provide at the parent node.							
PhoneCountryCode	/ShipmentConfirmRequest /Shipment /ShipFrom /PhoneNumber /StructuredPhoneNumber /PhoneCountryCode	No	1	String	1..3	The Country Code portion of the phone number.	Not valid for US phone numbers.							

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
PhoneDialPlanNumber	/ShipmentConfirmRequest /Shipment /ShipFrom /PhoneNumber /StructuredPhoneNumber /PhoneDialPlanNumber	Yes*	1	String	1..15	Dial plan number portion of the phone number.								
PhoneLineNumber	/ShipmentConfirmRequest /Shipment /ShipFrom /PhoneNumber /StructuredPhoneNumber /PhoneLineNumber	Yes*	1	String	1..15	Line number portion of the phone number.								
PhoneExtension	/ShipmentConfirmRequest /Shipment /ShipFrom /PhoneNumber /StructuredPhoneNumber /PhoneExtension	No	1	String	1..4	ShipFrom's Phone extension.								
FaxNumber	/ShipmentConfirmRequest /Shipment /ShipFrom /FaxNumber	No	1	String	1..15	Pickup location's fax number.								

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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.							
AddressLine1	/ShipmentConfirmRequest /Shipment /ShipFrom /Address /AddressLine1	Yes*	1	String	1..35	Address Line 1 of the pickup location.	Required if ShipFrom tag is in the XML.							
AddressLine2	/ShipmentConfirmRequest /Shipment /ShipFrom /Address /AddressLine2	No	1	String	1..35	Address Line 2 of the pickup location. Usually Room/Floor information. Note: This information does NOT appear on the label								
AddressLine3	/ShipmentConfirmRequest /Shipment /ShipFrom /Address /AddressLine3	No	1	String	1..35	Address Line 3 of the pickup location. Usually department information.								
City	/ShipmentConfirmRequest /Shipment /ShipFrom /Address /City	Yes*	1	String	1..30	Pickup location's city.	Required if ShipFrom tag is in the XML.							

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
StateProvinceCode	/ShipmentConfirmRequest /Shipment /ShipFrom /Address /StateProvinceCode	Cond	1	String	2..5	Pickup location's state or province code.	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.							
PostalCode	/ShipmentConfirmRequest /Shipment /ShipFrom /Address /PostalCode	Cond	1	String	1..10	Pickup location's postal code.	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 code. . 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	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
CountryCode	/ShipmentConfirmRequest /Shipment /ShipFrom /Address /CountryCode	Cond	1	String	2	Pickup 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) None of the following country codes are the same and at least one of them is not a member of the EU, the shipper must have Third Country contract service: ShipTo, ShipFrom, and Shipper. Refer to Origin Country Information table for country codes							
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							

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	NAFTA CO	INVOICE	SED	PARTIAL INV.
Option	/ShipmentConfirmRequest /Shipment /SoldTo /Option	No	1	String		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							
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							
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							

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	NAFTA CO	INVOICE	SED	PARTIAL INV.
PhoneNumber	/ShipmentConfirmRequest /Shipment /SoldTo /PhoneNumber	Cond	1	String	1..15	Sold To contact's 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							
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							
AddressLine1	/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 form if sold to option is empty or not present. Required for Invoice. Required for NAFTA CO if sold to option is not provided							
AddressLine2	/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							

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	NAFTA CO	INVOICE	SED	PARTIAL INV.
AddressLine3	/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							
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..10	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	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	NAFTA CO	INVOICE	SED	PARTIAL INV.
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.							
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.							
BillShipper	/ShipmentConfirmRequest /Shipment /PaymentInformation /Prepaid /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.	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	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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.							
CreditCard	/ShipmentConfirmRequest /Shipment /PaymentInformation /Prepaid /BillShipper /CreditCard	Cond	1	Container	N/A	Credit card information container	Required if /ShipmentConfirmRequest/Shipment/PaymentInformation/Prepaid/BillShipper/AccountNumber is not present. Credit card payment is valid for shipments without return service only.	Yes						
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	Yes						

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
Number	/ShipmentConfirmRequest /Shipment /PaymentInformation /Prepaid /BillShipper /CreditCard /Number	Yes*	1	String	9..16	Credit Card number		Yes						
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	Yes						
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.	Yes						

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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.	Yes						
AddressLine1	/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.		Yes						
AddressLine2	/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.		Yes						

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
AddressLine3	/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.		Yes						
City	/ShipmentConfirmRequest /Shipment /PaymentInformation /Prepaid /BillShipper /CreditCard /Address /City	Yes*	1	String	1..30	City of the credit card billing address		Yes						
StateProvinceCode	/ShipmentConfirmRequest /Shipment /PaymentInformation /Prepaid /BillShipper /CreditCard /Address /StateProvinceCode	Yes*	1	String	2..5	State or province code of the credit card billing address.		Yes						

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
PostalCode	/ShipmentConfirmRequest /Shipment /PaymentInformation /Prepaid /BillShipper /CreditCard /Address /PostalCode	Yes*	1	String	1..10	Credit card billing addressee postal code.		Yes						
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	Yes						
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	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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							
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	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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.							
CountryCode	/ShipmentConfirmRequest /Shipment /PaymentInformation /BillThirdParty /BillThirdPartyShipper /ThirdParty /Address /CountryCode	Yes	1	String	2	The country code for the UPS account's pickup address.								

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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.	Yes						
BillReceiver	/ShipmentConfirmRequest /Shipment /PaymentInformation /FreightCollect /BillReceiver	Yes	1	Container	N/A	Container for billing the consignee all freight charges option.		Yes						
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, 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	Yes						

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
Address	/ShipmentConfirmRequest /Shipment /PaymentInformation /FreightCollect /BillReceiver /Address	No	1	Container	N/A	Container for additional information for the bill receiver's UPS account address.		Yes						
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.	Yes						

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
ConsigneeBilled	/ShipmentConfirmRequest /Shipment /PaymentInformation /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.							
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	1	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	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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							
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.							

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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.							
CreditCard	/ShipmentConfirmRequest /Shipment /ItemizedPaymentInformation /ShipmentCharge /BillShipper /CreditCard	Cond	1	Container	N/A	Credit card information container	Required if /ShipmentConfirmRequest/Shipment/ItemizedPaymentInformation/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	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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.							
AddressLine1	/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.								
AddressLine2	/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.								

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
AddressLine3	/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.								
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.								

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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							
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	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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							
Address	/ShipmentConfirmRequest /Shipment /ItemizedPaymentInformation /ShipmentCharge /BillReceiver /Address	No	1	Container	N/A	Container for additional information for the bill receiver's UPS account address.								

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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.							
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.							

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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.							
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							
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.								

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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.								
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	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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.							
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	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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.							
CountryCode	/ShipmentConfirmRequest /Shipment /ItemizedPaymentInformation /ShipmentCharge /BillThirdParty /BillThirdPartyConsignee /ThirdParty /Address /CountryCode	Yes	1	String	2	The country code for the UPS account's pickup address.								

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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.							
SplitDutyVATIndicator	/ShipmentConfirmRequest /Shipment /ItemizedPaymentInformation /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.							
GoodsNotInFreeCirculationIndicator	/ShipmentConfirmRequest /Shipment /GoodsNotInFreeCirculationIndicator	No	1	String	0	Goods Not In Free Circulation indicator.	This indicator is invalid for a package type of UPS Letter and DocumentsOnly.							
RateInformation	/ShipmentConfirmRequest /Shipment /RateInformation	No	1	Container	N/A	Rate information								

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
NegotiatedRatesIndicator	/ShipmentConfirmRequest /Shipment /RateInformation /NegotiatedRatesIndicator	Yes*	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.	The Shipper account and Userid combination must be qualified to receive Negotiated rates. If the indicator is present and the Shipper is qualified then Negotiated rates will be returned in the response. Only the Shipper account number taken from /ShipmentConfirmRequest/Shipment/Shipper/ShipperNumber is used when checking qualification for Negotiated rates.							
MovementReferenceNumber	/ShipmentConfirmRequest /Shipment /MovementReferenceNumber	No	1	String	18	Movement Reference Number. Used for Germany to non-EU export shipments over 1000 Euros that require an Export Accompanying Document	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	1	Container	N/A	Reference Number information container	Valid if the origin/destination pair is not US/US or PR/PR.							

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
BarCodeIndicator	/ShipmentConfirmRequest /Shipment /ReferenceNumber /BarCodeIndicator	No	1	String	0	If the indicator is present then the reference number's value will be bar coded on the label.	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.							
Code	/ShipmentConfirmRequest /Shipment /ReferenceNumber /Code	Yes	1	String	2	Shipment Reference number type code. The code specifies the Reference name. Refer to the Reference Number Code table.	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	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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	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. Refer to service guide for available services.							
Description	/ShipmentConfirmRequest /Shipment /Service /Description	No	1	String	1..35	Description of the service code. Examples are Next Day Air, Worldwide Express, Ground.								

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
InvoiceLineTotal	/ShipmentConfirmRequest /Shipment /InvoiceLineTotal	Cond	1	Container	N/A		Required for shipments that do not have any packages of type UPS Letter and whose origin is the US and destination is Puerto Rico or Canada. If International forms Invoice is requested, this value should match the invoice line total on the invoice form. If not it will be replaced by the actual calculated invoice line total.							
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.							
MonetaryValue	/ShipmentConfirmRequest /Shipment /InvoiceLineTotal /MonetaryValue	Yes	1	String	1..19	Invoice Line Total amount for the entire shipment.	Valid values are from 1 to 999999999							
ShipmentServiceOptions	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions	No	1	Container	N/A									

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
SaturdayDelivery	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /SaturdayDelivery	No	1	String	0	Saturday delivery indicator. The presence indicates Saturday delivery, the absence indicates not Saturday delivery.	Not available to shipment with return service.	Yes						
OnCallAir	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /OnCallAir	No	1	Container	N/A	On Call Air container	Refer to the Origin Country Information table for On Call Air Pickup availability. Not available to shipment with return service.	Yes						
PickupDetails	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /OnCallAir /PickupDetails	Yes*	1	Container	N/A	On Call Air Pickup details	Required for an On Call Air Pickup.	Yes						
DistrictCode	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /OnCallAir /PickupDetails /DistrictCode	No	1	String	4-Feb	District code for Hong Kong pickup locations. Please see appendix for valid values.		Yes						

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
PickupDate	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /OnCallAir /PickupDetails /PickupDate	Yes*	1	String	8	Date of the On Call Air Pickup. Format is YYYYMMDD	Required for an On Call Air Pickup. The pickup date must be within ten days of the shipment's creation date. Not valid if the pickup date is the same day for shipment(s) containing Germany to Germany UPS Standard service. Error 129090 will be returned in this case.	Yes						
EarliestTimeReady	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /OnCallAir /PickupDetails /EarliestTimeReady	Yes*	1	String	4	The earliest time a shipment is ready to be picked up.	Required for an On Call Air Pickup.	Yes						
LatestTimeReady	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /OnCallAir /PickupDetails /LatestTimeReady	Yes*	1	String	4	The latest time a shipment can be picked up. Can be also referred as the Closing Time for a pickup time window.	Required for an On Call Air Pickup.	Yes						
SuiteRoomID	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /OnCallAir /PickupDetails /SuiteRoomID	No	1	String	1..8	The suite or room where the shipment is be picked up		Yes						

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
FloorID	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /OnCallAir /PickupDetails /FloorID	No	1	String	1..3	The floor where shipment is be picked up		Yes						
Location	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /OnCallAir /PickupDetails /Location	No	1	String	1..11	The location where to shipment is picked up		Yes						
ContactInfo	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /OnCallAir /PickupDetails /ContactInfo	No	1	Container	N/A									
Name	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /OnCallAir /PickupDetails /ContactInfo /Name	Yes*	1	String	1..35	The name of the contact person where the shipment is picked up	Required for an On Call Air Pickup.	Yes						

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
PhoneNumber	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /OnCallAir /PickupDetails /ContactInfo /PhoneNumber	Cond	1	StructuredPhoneNumb	1..15	The phone number of the contact person where the shipment is picked up.	Required for an On Call Air Pickup.	Yes						
StructuredPhoneNumber	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /OnCallAir /PickupDetails /ContactInfo /PhoneNumber /StructuredPhoneNumber	Cond	1	Container	N/A		Required if parent element, PhoneNumber, is required and a phone number is not provide at the parent node.	Yes						
PhoneCountryCode	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /OnCallAir /PickupDetails /ContactInfo /PhoneNumber /StructuredPhoneNumber /PhoneCountryCode	No	1	String	1..3	The Country Code portion of the phone number.	Not valid for US phone numbers.	Yes						

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
PhoneDialPlanNumber	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /OnCallAir /PickupDetails /ContactInfo /PhoneNumber /StructuredPhoneNumber /PhoneDialPlanNumber	Yes	1	String	1..15	Dial plan number portion of the phone number.		Yes						
PhoneLineNumber	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /OnCallAir /PickupDetails /ContactInfo /PhoneNumber /StructuredPhoneNumber /PhoneLineNumber	Yes	1	String	1..15	Line number portion of the phone number.		Yes						
PhoneExtension	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /OnCallAir /PickupDetails /ContactInfo /PhoneNumber /StructuredPhoneNumber /PhoneExtension	No	1	String	1..4	Phone extension.		Yes						

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
COD	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /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.	Yes						
CODCode	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /COD /CODCode	Yes	1	String	1	COD type value. '3' = Tagless COD.	Valid value is '3'.	Yes						
CODFundsCode	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /COD /CODFundsCode	No	1	String		Values are: '1' = cash '9' = check, cashier's check or money order - no cash allowed		Yes						
CODAmount	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /COD /CODAmount	Yes	1	Container	N/A									

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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.		Yes						
MonetaryValue	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /COD /CODAmount /MonetaryValue	Yes	1	String	1..8	COD Amount.		Yes						
Notification	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /Notification	No	Many (up to 3)	Container	N/A	Container for the Quantum View notification (QVN) (valid for shipment without return service) or Return Notification (valid for shipment with UPS 1-Attempt and UPS 3-Attempt Return Services).								
NotificationCode	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /Notification /NotificationCode	Yes	1	String	1	The type of notification requested. Valid Value: 6- QVN Ship Notification 7- QVN Exception Notification 8 – QVN Delivery Notification 2-Return Notification	Quantum view Notification is only allowed for shipment without return service; Return Notification is only for allowed return service 1-Attempt and 3-Attempt							

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
EMailMessage	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /Notification /EMailMessage	Yes	1	Container	N/A	Container for the eMail message.								
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™ notification. Up to two email address for return notification.							
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							
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.							

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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							
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							
Subject	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /Notification /EmailMessage /Subject	No	1	String		The eMail's subject. Defaults to text provided by UPS	Return Notification only.							

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
SubjectCode	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /Notification /EmailMessage /SubjectCode	No	1	String		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	Refer to Table for the valid subject codes. 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.							
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.		Yes					
EmailMessage	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /LabelDelivery /EmailMessage	No	1	Container	N/A	Container for the eMail message.			Yes					

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
EEmailAddress	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /LabelDelivery /EmailMessage /EEmailAddress	Yes*	1	String	1..50	The destination eMail address for the Label Delivery.			Yes					
UndeliverableEEmailAddress	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /LabelDelivery /EmailMessage /UndeliverableEEmailAddress	No	1	String	1..50	The address where an undeliverable eMail message is sent if the Label Delivery email is undeliverable.	Defaults to FromEEmailAddress.		Yes					
FromEEmailAddress	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /LabelDelivery /EmailMessage /FromEEmailAddress	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.			Yes					
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			Yes					

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
Memo	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /LabelDelivery /EmailMessage /Memo	No	1	String	1..150	User defined text that will be included in the eMail.			Yes					
Subject	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /LabelDelivery /EmailMessage /Subject	No	1	String		The eMail's subject. Defaults to the 'Label Delivery Notification' plus the shipment ID. Defaults to text provided by UPS								
SubjectCode	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /LabelDelivery /EmailMessage /SubjectCode	No	1	String		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) 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.							

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	NAFTA CO	INVOICE	SED	PARTIAL INV.
InternationalForms	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /InternationalForms	No	1	Container	N/A	International Forms information								
FormType	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /InternationalForms /FormType	Yes*	Many (up to 4)	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 For shipment with return service, 01 or 05 are the only valid value. Note: 01 & 05 are mutually exclusive and 05 is only valid for return shipments only.			Rqd	Rqd	Rqd	Rqd	Rqd

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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, NAFTA_CO) 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	Rqd	Opt	0
FormGroupIdName	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /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
SEDFilingOption	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /InternationalForms /SEDFilingOption	Cond	1	String	2	Indicates whether or not UPS will file SED on shipper's behalf.	Applicable for SED form and is required. Valid values is:01 – Shipper filing SED02 – UPS filing SED on Shipper's behalf –			N/A	N/A	N/A	Rqd	N/A

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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 CO			N/A	Rqd	N/A	Rqd	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
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 Rqd 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	N/A	Cond Rqd Sec 5b	N/A

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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 Rqd Sec 5a	
AddressLine1	/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 Rqd Sec 5a	N/A
AddressLine2	/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	Opt Sec 5a	N/A

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
AddressLine3	/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	Opt Sec 5	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 Rqd 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 Rqd Sec 5a	N/A

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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 Rqd Sec 5a	N/A
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 Rqd 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	Rqd Sec 4a	N/A

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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	Rqd 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	Rqd Sec 4a	N/A
AddressLine1	/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	Rqd Sec 4a	N/A

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
AddressLine2	/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
AddressLine3	/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 Rqd Sec 4a	N/A

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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	Rqd Sec 4a	N/A
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	Rqd 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	Rqd Sec 4a	N/A

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
IntermediateConsignee	/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
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 Rqd 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 Rqd Sec 4b	N/A

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
AddressLine1	/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.			N/A	N/A	N/A	Cond Rqd Sec 4b	N/A
AddressLine2	/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
AddressLine3	/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	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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 Rqd 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 Rqd 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 Rqd Sec 4b	N/A

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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 Rqd Sec 4b	N/A
Producer	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /InternationalForms /Contacts /Producer	Cond	1	Container	N/A	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 must be the date the Certificate was completed and signed.	Applies to NAFTA CO Required for NAFTA CO forms			N/A	Rqd Sec 3	N/A	N/A	N/A
Option	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /InternationalForms /Contacts /Producer /Option	No	1	String	2	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.	Applies to NAFTA CO. Possible Values are: 01: AVAILABLE TO CUSTOMS UPON REQUEST 02: SAME AS EXPORTER 03: ATTACHED LIST 04: UNKNOWN			N/A	Rqd Sec 3	N/A	N/A	N/A

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
CompanyName	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /InternationalForms /Contacts /Producer /CompanyName	Cond	1	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	Cond Rqd Sec 3	N/A	N/A	N/A
TaxIdentificationNumber	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /InternationalForms /Contacts /Producer /TaxIdentificationNumber	No	1	String	1...15	Tax ID of the Producer.	Applies to NAFTA CO Only applicable when producer option is empty or not present			N/A	Opt Sec 3	N/A	N/A	N/A
Address	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /InternationalForms /Contacts /Producer /Address	Cond	1	Container	N/A	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	Cond Rqd Sec 3	N/A	N/A	N/A

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
AddressLine1	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /InternationalForms /Contacts /Producer /Address /AddressLine1	Yes*	1	String	1...35	Address line 1 of the Producer.	Applies to NAFTA CO			N/A	Cond Rqd Sec 3	N/A	N/A	N/A
AddressLine2	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /InternationalForms /Contacts /Producer /Address /AddressLine2	No	1	String	1...35	Address line 2 of the Producer. Usually Room/Floor information	Applies to NAFTA CO			N/A	Opt Sec 3	N/A	N/A	N/A
AddressLine3	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /InternationalForms /Contacts /Producer /Address /AddressLine3	No	1	String	1...35	Address line 3 of the Producer. Usually department information	Applies to NAFTA CO			N/A	Opt Sec 3	N/A	N/A	N/A

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
City	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /InternationalForms /Contacts /Producer /Address /City	Yes*	1	String	1...30	City of the Producer.	Applies to NAFTA CO Conditionally required for: NAFTA CO, when Producer option is not specified.			N/A	Cond Rqd Sec 3	N/A	N/A	N/A
StateProvinceCode	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /InternationalForms /Contacts /Producer /Address /StateProvinceCode	Cond	1	String	1...5	State of the Producer.	Applies to NAFTA CO. Required for certain countries			N/A	Cond Rqd Sec 3	N/A	N/A	N/A
PostalCode	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /InternationalForms /Contacts /Producer /Address /PostalCode	Cond	1	String	1...9	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	Cond Rqd Sec 3	N/A	N/A	N/A

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
CountryCode	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /InternationalForms /Contacts /Producer /Address /CountryCode	Yes*	1	String	1...2	Country code of the Producer.	Applies to NAFTA CO			N/A	Cond Rqd Sec 3	N/A	N/A	N/A
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.			Rqd	Rqd	Rqd	Rqd	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			Rqd	Rqd	Rqd	Rqd	Opt
Unit	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /InternationalForms /Product /Unit	Cond	1	Container	N/A	Container tag for the units information of each product. (also called as commodity)	Required for Invoice forms and optional for Partial Invoice.			N/A	N/A	Rqd	N/A	Opt

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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	Rqd Sec 5a	N/A	Opt
Value	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /InternationalForms /Product /Unit /Value	Yes*	1	String	1...12	Monetary amount used to specify the worth or price of the commodity. Amount should be greater than zero	Applies to Invoice & 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 12 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	Rqd Sec 5f	N/A	Opt

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
UnitOfMeasurement	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /InternationalForms /Product /Unit /UnitOfMeasurement	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	Rqd Sec 5b	N/A	Opt

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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	Rqd	N/A	Opt

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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 & Partial Invoice form if OTH is entered as the units UnitOfMeasurement code			N/A	N/A	Cond Rqd Sec 5b	N/A	Cond Rqd Sec 5b
CommodityCode	/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	Rqd Sec 6	Opt Sec 5d?	N/A	Opt

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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 & Partial Invoice.			N/A	N/A	Opt Sec 5c2	N/A	Opt
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.			Rqd	Cond Rqd Sec 10	Rqd Sec 5e	N/A	Opt
JointProductionIndicator	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /InternationalForms /Product /JointProductionIndicator	No	1	EMPTY		If present, 'JNT' will be used as the origin of country code on the NAFTA form and the Product/OriginCountryCode tag will be ignored.	Applies to NAFTA CO only			N/A	Opt Sec 10	N/A	N/A	N/A
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	Rqd	N/A	N/A	N/A

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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	Opt	N/A	N/A	N/A
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	Opt	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	Opt	N/A	N/A	N/A

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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. Do not put in developers' guide: 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	Rqd Sec 7	N/A	N/A	N/A
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, 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 producer's 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	Rqd Sec 8	N/A	N/A	N/A
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	N/A	N/A	N/A	N/A

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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.			Rqd Sec 2b	N/A	N/A	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.			Rqd Sec 2c	N/A	N/A	Rqd Sec 24	N/A
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			Rqd Sec 2c	N/A	N/A	Rqd Sec 24	N/A

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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			Rqd Sec 2c	N/A	N/A	Rqd Sec 24	N/A
Description	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /InternationalForms /Product /ProductWeight /UnitOfMeasurement /Description	Yes	1	String										
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.			Rqd Sec 2c	N/A	N/A	Rqd Sec 24	N/A

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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
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	Rqd 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	Rqd Sec 22	N/A

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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 Rqd 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	Rqd Sec 23?	N/A

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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 req			N/A	N/A	N/A	Rqd Sec 23?	N/A

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
Description	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /InternationalForms /Product /ScheduleB /UnitOfMeasurement /Description	Yes	1	String										
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	Rqd Sec 21	N/A

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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	Rqd Sec 26	N/A
InvoiceNumber	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /InternationalForms /InvoiceNumber	No	1	String	1...35	Commercial Invoice number assigned by the exporter	Applies to Invoice & Partial Invoice forms only.			N/A	N/A	Opt Sec 3	N/A	Opt Sec 3

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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 & 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	Rqd Sec 3	N/A	Opt Sec 3
PurchaseOrderNumber	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /InternationalForms /PurchaseOrderNumber	No	1	String	1...35	The customer's order reference number	Applies to Invoice & Partial Invoice forms			N/A	N/A	Opt Sec 3	N/A	Opt Sec 3

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
TermsOfShipment	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /InternationalForms /TermsOfShipment	No	1	String	3	Indicates the rights to the seller from the buyer.	Applies to Invoice & 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	Opt Sec 3	N/A	Opt Sec 3
ReasonForExport	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /InternationalForms /ReasonForExport	Cond	1	String	1...20	Reason to export the current international shipment. Only values allowed: SALE,GIFT,SAMPLE, RETURN, REPAIR, INTERCOMPANYDATA, Any other reason	Applies to Invoice & Partial Invoice forms. Required for Invoice & Optional for Partial Invoice. No validation			N/A	N/A	Rqd Sec 3	N/A	Opt Sec 3
Comments	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /InternationalForms /Comments	No	1	String	1...150	Any extra information about the current shipment	Applies to Invoice & Partial Invoice forms only.			N/A	N/A	Opt Sec 6	N/A	Opt Sec 6

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
DeclarationStatement	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /InternationalForms /DeclarationStatement	No	1	String	1...250	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 & 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	Opt Sec 7	N/A	Opt Sec 7
Discount	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /InternationalForms /Discount	No	1	Container	N/A	Container tag that holds the discount.	Applies to Invoice & Partial Invoice forms only.			N/A	N/A	Opt Sec 8b	N/A	Opt Sec 8b

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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 & 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	Opt Sec 8b	N/A	Opt Sec 8b
FreightCharges	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /InternationalForms /FreightCharges	No	1	Container	N/A	Container tag that holds the Freight Charges	Applies to Invoice & Partial Invoice forms only.			N/A	N/A	Opt Sec 8d	N/A	Opt Sec 8d
MonetaryValue	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /InternationalForms /FreightCharges /MonetaryValue	Yes*	1	String	0...15	Cost to transport the shipment	Applies to Invoice & 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	Opt Sec 8d	N/A	Opt Sec 8d

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
InsuranceCharges	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /InternationalForms /InsuranceCharges	No	1	Container	N/A	Container tag that holds the Insurance Charges	Applies to Invoice & Partial Invoice forms only.			N/A	N/A	Opt Sec 8e	N/A	Opt Sec 8e
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 & 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	Opt Sec 8e	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 & Partial Invoice forms only.			N/A	N/A	Opt Sec 8f	N/A	Opt Sec 8f
MonetaryValue	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /InternationalForms /OtherCharges /MonetaryValue	Yes*	1	String	0...15	The Monetary value of OtherCharges	Applies to Invoice & 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	Opt Sec 8f	N/A	Opt Sec 8f

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
Description	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /InternationalForms /OtherCharges /Description	Yes*	1	String	1...10	Description of what the other charges are for.	Applies to Invoice & Partial Invoice forms only.			N/A	N/A	Cond Rqd Sec 8f?	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 & Partial Invoice forms2 only.			N/A	N/A	Rqd Sec 8g	N/A	Opt Sec 8g
BlanketPeriod	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /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.			N/A	Rqd Sec 2	N/A	N/A	N/A
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			N/A	Rqd Sec 2	N/A	N/A	N/A

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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			N/A	Rqd Sec 2	N/A	N/A	N/A
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			Rqd Sec 1c	N/A	N/A	Rqd 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 vessel's 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.			Rqd Sec 1c?	N/A	N/A	Rqd Sec 10	N/A
CarrierID	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /InternationalForms /CarrierID	No	1	String	1...17	The four-character Standard Carrier AlphaCode (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	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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&E62: T&E63: IE67: IE from a FTZ68: T&E from a FTZ			N/A	N/A	N/A	Rqd Sec 18	N/A
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 Rqd Sec 4C	N/A
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	Rqd Sec 6	N/A

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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	Rqd Sec 9	N/A
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
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

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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
PartiesToTransaction	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /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	Rqd Sec 1c	N/A
RoutedExportTransactionIndicator	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /InternationalForms /RoutedExportTransactionIndicator	No	1	EMPTY		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	Opt (Rqd for CUB Sec 1c)	N/A
ContainerizedIndicator	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /InternationalForms /ContainerizedIndicator	No	1	EMPTY		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	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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.							
Number	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /InternationalForms /License /Number	Cond	1	String	1...35	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 Rqd Sec 27	N/A
Date	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /InternationalForms /License /Date	Cond	1	String	1...8	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 Rqd Sec 27	N/A

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
ExceptionCode	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /InternationalForms /License /ExceptionCode	Cond	1	String	1...4	License exception code Possible values AGR: Agricultural commodities; 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: Crew members baggage; CIV: National security items for civil end users; CTP: Computer and parts; ENC: Encrypted software; GBS: controlled for national security reasons; GFT: Gift shipments; GOV: Government shipments; KMI: Encrypted software and hardware; LVS: Value of shipments limited; NLR: No license required; RPL: Replacement parts; TMP: Temporary exports; TSPA: Software or technology outside scope of export regulations; TSR: Technology and software; TSU: Technology and software updates	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 Rqd Sec 27	N/A
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 Rqd Sec 27	N/A

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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.	Yes						
DeliveryConfirmation	/ShipmentConfirmRequest /Shipment /ShipmentServiceOptions /DeliveryConfirmation	No	1	Container	N/A			Yes						
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	Yes						
Package	/ShipmentConfirmRequest /Shipment /Package	Yes	Many (up to 2000)	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							

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
PackagingType	/ShipmentConfirmRequest /Shipment /Package /PackagingType	Yes	1	Container	N/A									
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 accessories at both the shipment and package level, and the shipment service type.							
Description	/ShipmentConfirmRequest /Shipment /Package /PackagingType /Description	No	1	String	1..35	Description of packaging type. Examples are letter, customer supplied, express box.								
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.							

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
UnitOfMeasurement	/ShipmentConfirmRequest /Shipment /Package /Dimensions /UnitOfMeasurement	Yes	1	Container	N/A									
Code	/ShipmentConfirmRequest /Shipment /Package /Dimensions /UnitOfMeasurement /Code	Yes*	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 specified in the Country Information table.	The unit of measurement must be valid for the Shipper country. Refer to Origin Country Information table for valid unit of measurement.							
Description	/ShipmentConfirmRequest /Shipment /Package /Dimensions /UnitOfMeasurement /Description	No	1	String	1..35	Description of the package dimensions measurement units.								

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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		Not required for Letter							
UnitOfMeasurement	/ShipmentConfirmRequest /Shipment /Package /PackageWeight /UnitOfMeasurement	Yes*	1	Container	N/A									

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
Code	/ShipmentConfirmRequest /Shipment /Package /PackageWeight /UnitOfMeasurement /Code	Yes*	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 specified in the Country Information table.	Valid codes are: 'KGS', 'LBS', '00' and '01'.							
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. Set to 1.0 for package type letter.								

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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	Valid if the origin/destination pair is US/US or PR/PR.							
BarCodeIndicator	/ShipmentConfirmRequest /Shipment /Package /ReferenceNumber /BarCodeIndicator	No	1	String	0	If the indicator is present then the reference number's value will be bar coded on the label.	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.							
Code	/ShipmentConfirmRequest /Shipment /Package /ReferenceNumber /Code	Yes	1	String	2	Reference number type code, for the entire shipment. The code specifies the Reference name. Refer to the Reference Number Code table.	Valid if the origin/destination pair is US/US or PR/PR.2 character alpha-numeric.							

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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.							
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									
DeliveryConfirmation	/ShipmentConfirmRequest /Shipment /Package /PackageServiceOptions /DeliveryConfirmation	No	1	Container	N/A			Yes						
DCISType	/ShipmentConfirmRequest /Shipment /Package /PackageServiceOptions /DeliveryConfirmation /DCISType	Yes	1	String	1	Type of delivery confirmation	Valid values are: 1 - Delivery Confirmation 2 - Delivery Confirmation Signature Required 3 - Delivery Confirmation Adult Signature Required	Yes						

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
DCISNumber	/ShipmentConfirmRequest /Shipment /Package /PackageServiceOptions /DeliveryConfirmation /DCISNumber	No	1	String	1..11	Delivery Confirmation Control number associated with the delivery confirmation for the package		Yes						
InsuredValue	/ShipmentConfirmRequest /Shipment /Package /PackageServiceOptions /InsuredValue	No	1	Container	N/A									
Type	/ShipmentConfirmRequest /Shipment /Package /PackageServiceOptions /InsuredValue /Type	No	1	String	N/A	Container for Insured Value Type.	N/A	Yes						

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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							
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. Refer to Origin Country Information table.	Yes						

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
MonetaryValue	/ShipmentConfirmRequest /Shipment /Package /PackageServiceOptions /InsuredValue /MonetaryValue	No	1	String	1..19	Declared value amount.		Yes						
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.	Yes						
CODCode	/ShipmentConfirmRequest /Shipment /Package /PackageServiceOptions /COD /CODCode	Yes	1	String	1	COD type value. '3' = Tagless COD.	Valid values are '3'.	Yes						
CODFundsCode	/ShipmentConfirmRequest /Shipment /Package /PackageServiceOptions /COD /CODFundsCode	Yes	1	String		Values are: '0' = check, cashier's check or money order - no cash allowed, '8' = cashier's check or money order - no cash allowed.		Yes						

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
CODAmount	/ShipmentConfirmRequest /Shipment /Package /PackageServiceOptions /COD /CODAmount	Yes*	1	Container	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.		Yes						
MonetaryValue	/ShipmentConfirmRequest /Shipment /Package /PackageServiceOptions /COD /CODAmount /MonetaryValue	Yes	1	String	1..8	COD Amount.	Valid values: 0.01 USD – 50000.00 USD	Yes						
VerbalConfirmation	/ShipmentConfirmRequest /Shipment /Package /PackageServiceOptions /VerbalConfirmation	No	1	Container	N/A	Verbal Confirmation Info.	Allowed for shipment without return service.	Yes						

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
ContactInfo	/ShipmentConfirmRequest /Shipment /Package /PackageServiceOptions /VerbalConfirmation /ContactInfo	Cond	1	Container	N/A	Optional if the Shippers AttentionName, PhoneNumber, and PhoneExtension(optional) are given and are the desired name, phone number and extension, respectively, to be used for verbal confirmation.		Yes						
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.	Yes						
PhoneNumber	/ShipmentConfirmRequest /Shipment /Package /PackageServiceOptions /VerbalConfirmation /ContactInfo /PhoneNumber	Cond	1	StructuredPhoneNumber		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.	Yes						

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
StructuredPhoneNumber	/ShipmentConfirmRequest /Shipment /Package /PackageServiceOptions /VerbalConfirmation /ContactInfo /PhoneNumber /StructuredPhoneNumber	Cond	1	Container	N/A		Required if parent element, PhoneNumber, is required and a phone number is not provide at the parent node.	Yes						
PhoneCountryCode	/ShipmentConfirmRequest /Shipment /Package /PackageServiceOptions /VerbalConfirmation /ContactInfo /PhoneNumber /StructuredPhoneNumber /PhoneCountryCode	No	1	String	1..3	The Country Code portion of the phone number.	Not valid for US phone numbers.	Yes						
PhoneDialPlanNumber	/ShipmentConfirmRequest /Shipment /Package /PackageServiceOptions /VerbalConfirmation /ContactInfo /PhoneNumber /StructuredPhoneNumber /PhoneDialPlanNumber	Yes	1	String	1..15	Dial plan number portion of the phone number.		Yes						

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
PhoneLineNumber	/ShipmentConfirmRequest /Shipment /Package /PackageServiceOptions /VerbalConfirmation /ContactInfo /PhoneNumber /StructuredPhoneNumber /PhoneLineNumber	Yes	1	String	1..15	Line number portion of the phone number.		Yes						
PhoneExtension	/ShipmentConfirmRequest /Shipment /Package /PackageServiceOptions /VerbalConfirmation /ContactInfo /PhoneNumber /StructuredPhoneNumber /PhoneExtension	No	1	String	1..4	Phone extension		Yes						
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.	Yes						

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
Notification	/ShipmentConfirmRequest /Shipment /Package /PackageServiceOptions /Notification	No	1	Container	N/A	Receiver Return Notification	Applicable for Shipment with returned service.		Yes					
NotificationCode	/ShipmentConfirmRequest /Shipment /Package /PackageServiceOptions /Notification /NotificationCode	Yes*	1	String	1		3 – Receiver Return Notification		Yes					
EMailMessage	/ShipmentConfirmRequest /Shipment /Package /PackageServiceOptions /Notification /EMailMessage	Yes*	1	Container	N/A	Container for the e-mail Message.			Yes					
EMailAddress	/ShipmentConfirmRequest /Shipment /Package /PackageServiceOptions /Notification /EMailMessage /EMailAddress	Yes*	Many (up to 2)	String	1..50	The destination eMail address of the receiver return notification eMail.	The shipment can have up to two receiver return notification email address for the whole shipment.		Yes					

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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.		Yes					
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.		Yes					
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.		Yes					

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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.		Yes					
Subject	/ShipmentConfirmRequest /Shipment /Package /PackageServiceOptions /Notification /EmailMessage /Subject	No	1	String		The eMail's subject. Defaults to text provided by UPS	Return Notification only.							
SubjectCode	/ShipmentConfirmRequest /Shipment /Package /PackageServiceOptions /Notification /EmailMessage /SubjectCode	No	1	String		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	Refer to Table for the valid subject codes. 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	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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.								
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								
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/Label Specification/LabelPrintMethod/Code = GIF. Default to Mozilla/4.5 if this field is missing or has invalid value.							

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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.	Yes						
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 value is '4'. Note: Label Image will only scale up to 4 X 6, even when requesting 4 X 8.	Yes						
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 values are '6' or '8'. Note: Label Image will only scale up to 4 X 6, even when requesting 4 X 8.	Yes						
LabelImageFormat	/ShipmentConfirmRequest /LabelSpecification /LabelImageFormat	Yes	1	Container	N/A									

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
Code	/ShipmentConfirmRequest /LabelSpecification /LabelImageFormat /Code	Cond	1	String	3	Code type that the label image is to be generated in.	Required if ShipmentConfirmRequest/Label Specification/LabelPrintMethod/C ode = GIF. Valid values are GIF or PNG. Only GIF is supported on the remote server.							
Description	/ShipmentConfirmRequest /LabelSpecification /LabelImageFormat /Description	No	1	String	1..35	Description of the label image format code.								

ShipmentConfirmRequest 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" ?>
<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>
        <StructuredPhoneNumber>
          <PhoneDialPlanNumber>410</PhoneDialPlanNumber>
          <PhoneLineNumber>5125551212</PhoneLineNumber>
          <PhoneExtension>1234</PhoneExtension>
        </StructuredPhoneNumber>
      </PhoneNumber>
      <Address>
        <AddressLine1>201 York Rd</AddressLine1>
        <City>Timonium</City>
        <StateProvinceCode>MD</StateProvinceCode>
        <CountryCode>US</CountryCode>
        <PostalCode>21093</PostalCode>
        <ResidentialAddress />
      </Address>
    </ShipTo>
  </Shipment>
  <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>
<ShipmentServiceOptions>
  <OnCallAir>
    <PickupDetails>
      <PickupDate>09132000</PickupDate>
      <EarliestTimeReady>0945</EarliestTimeReady>
      <LatestTimeReady>1445</LatestTimeReady>
      <ContactInfo>
        <Name>Jane Smith</Name>
        <PhoneNumber>9725551234</PhoneNumber>
      </ContactInfo>
    </PickupDetails>
  </OnCallAir>
</ShipmentServiceOptions>
<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

The ShipmentConfirmResponse message contains a single XML document that conforms to the following structure.

(Forward) ShipmentConfirmResponse XML Details:

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

Yes: *Always* required

No: *Always* optional

Yes*: *Conditionally* required

Cond: Conditional

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
<i>ShipmentConfirmResponse</i>	/ShipmentConfirmResponse	Cond	1	Container	N/A									

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
Response	/ShipmentConfirmResponse /Response	Yes	1	Container	N/A									
TransactionReference	/ShipmentConfirmResponse /Response /TransactionReference	Yes	1	Container	N/A	TransactionReference identifies transactions between client and server.								
ResponseStatusCode	/ShipmentConfirmResponse /Response /ResponseStatusCode	Yes	1	String		Identifies the success or failure of the transaction. 1 = Successful 0 = Failure								
ResponseStatusDescription	/ShipmentConfirmResponse /Response /ResponseStatusDescription	Yes	1	String		Describes Response Status Code. Returns text of "Success" or "Failure"								
Error	/ShipmentConfirmResponse /Response /Error	Cond	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	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
ErrorSeverity	/ShipmentConfirmResponse /Response /Error /ErrorSeverity	Yes	1	String		Describes the severity of the error. TransientError - Customer's data has not been processed due to system unavailability. The customer has to wait and try again. HardError - 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	1	String	1..15	A numeric value that describes the error. Each tool defines a range of error codes. Refer to Error Conditions table in the 'Programming Information' chapter for detailed descriptions of all errors.								
ErrorDescription	/ShipmentConfirmResponse /Response /Error /ErrorDescription	Yes	1	String	1..50	Describes the error code.								

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
MinimumRetrySeconds	/ShipmentConfirmResponse /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)	Never returned							
ErrorLocation	/ShipmentConfirmResponse /Response /Error /ErrorLocation	Yes	1	Container	N/A	Identifies the element in error.								
ErrorLocationElementName	/ShipmentConfirmResponse /Response /Error /ErrorLocation /ErrorLocationElementName	Yes	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.								
ErrorLocationElementReference	/ShipmentConfirmResponse /Response /Error /ErrorLocation /ErrorLocationElementReference	Yes	1	String		Not Used								
ErrorLocationAttributeName	/ShipmentConfirmResponse /Response /Error /ErrorLocation /ErrorLocationAttributeName	Yes	1	String	1..50	The name of the attribute in error. This is the name of the attribute contained by the Error Location Element.								

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
ErrorDigest	/ShipmentConfirmResponse /Response /Error /ErrorDigest	Yes	1	String	Variable.	The contents of the element in error.								
ShipmentCharges	/ShipmentConfirmResponse /ShipmentCharges	Cond	1	Container	N/A	Shipment charges info. Shipment charges are only guaranteed to be returned for shipments whose origin country is US or Puerto Rico.								
TransportationCharges	/ShipmentConfirmResponse /ShipmentCharges /TransportationCharges	yes	1	Container	N/A									
CurrencyCode	/ShipmentConfirmResponse /ShipmentCharges /TransportationCharges /CurrencyCode	Yes	1	String	3	Transportation charges currency code type. The currency code used in the Shipment ConfirmRequest is returned.								
MonetaryValue	/ShipmentConfirmResponse /ShipmentCharges /TransportationCharges /MonetaryValue	Yes	1	String	1..19	Transportation and surcharges value amount.	Valid values are from 0 to 99999999999999.99							

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
ServiceOptionsCharges	/ShipmentConfirmResponse /ShipmentCharges /ServiceOptionsCharges	Yes	1	Container	N/A									
CurrencyCode	/ShipmentConfirmResponse /ShipmentCharges /ServiceOptionsCharges /CurrencyCode	Yes	1	String	3	Service options charges currency code type. The currency code used in the Shipment ConfirmRequest is returned.								
MonetaryValue	/ShipmentConfirmResponse /ShipmentCharges /ServiceOptionsCharges /MonetaryValue	Yes	1	String	1..19	Service options charges value amount	Valid values are from 0 to 99999999999999.99							
TotalCharges	/ShipmentConfirmResponse /ShipmentCharges /TotalCharges	Yes	1	Container	N/A									
CurrencyCode	/ShipmentConfirmResponse /ShipmentCharges /TotalCharges /CurrencyCode	Yes	1	String	3	Total charges currency code type. The currency code used in the Shipment ConfirmRequest is returned.								

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
MonetaryValue	/ShipmentConfirmResponse /ShipmentCharges /TotalCharges /MonetaryValue	Yes	1	String	1..19	Total charges value amount.	Valid values are from 0 to 99999999999999.99							
BillingWeight	/ShipmentConfirmResponse /BillingWeight	Yes	1	Container	N/A									
UnitOfMeasurement	/ShipmentConfirmResponse /BillingWeight /UnitOfMeasurement	Yes	1	Container	N/A									
Code	/ShipmentConfirmResponse /BillingWeight /UnitOfMeasurement /Code	Yes	1	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	1	String	3	Description of the billing weight measurement units. Valid values are: KGS or LBS								

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
Weight	/ShipmentConfirmResponse /BillingWeight /Weight	Yes	1	String	8	Billing weight. Higher of the actual shipment weight versus the shipment dimensional weight. Set to 0 for package type of letters or envelopes.	Valid value up to 99999.99							
ShipmentIdentificationNumber	/ShipmentConfirmResponse /ShipmentIdentificationNumber	Yes	1	String	18	Returned UPS shipment ID number.	1Z Number of the first package in the shipment.							
ShipmentDigest	/ShipmentConfirmResponse /ShipmentDigest	Yes	1	Encoded	Variable	Encoded shipment parameters required to be passed in the accept phase (ShipmentAcceptrequest).								
NegotiatedRates	/ShipmentConfirmResponse /NegotiatedRates	No	1	Container	N/A									
NetSummaryCharges	/ShipmentConfirmResponse /NegotiatedRates /NetSummaryCharges	Cond	1	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	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
GrandTotal	/ShipmentConfirmResponse /NegotiatedRates /NetSummaryCharges /GrandTotal	Cond	1	Container	N/A									
MonetaryValue	/ShipmentConfirmResponse /NegotiatedRates /NetSummaryCharges /GrandTotal /MonetaryValue	Yes	1	String	1..19	Net Summary charges monetary value.	Valid values are from 0 to 9999999999999999.99							
CurrencyCode	/ShipmentConfirmResponse /NegotiatedRates /NetSummaryCharges /CurrencyCode	Yes	1	String	3	Net Summary charges currency code type.								

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>FSDJHFSDJSHDJK47873487489KFSDJKQSDFSJDFK94238093489034K
SDFJSDFKLFDSKFKDJFSDKJFLSDKA923809234893402KLSDFJKLSDFJDFKSJFSDKLFDSKLFSD
KLJ49230843920814309KLSDFJFKLSDJFDKLSJSDFKLDKFLJDSKLJ092348349223098IJKLFJKL
FSDJFKLASDJFKAJFSDIUR897348574KJWEHRIQEWU8948348(truncated)</ShipmentDigest>
</ShipmentConfirmResponse>
```

ShipmentAcceptRequest

The ShipmentAcceptRequest message consists of two complete XML documents. The first document is an AccessRequest. The AccessRequest is immediately followed by a ShipmentAcceptRequest. When a client application is undergoing testing and integration, the document combination should be sent to the URL:

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

Once a client application is in production, the combined documents should be sent to the URL provided as part of the certification process.

The ShipmentAcceptRequest conforms to the following XML structure.

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

Yes: *Always* required

No: *Always* optional

Yes*: *Conditionally* required

Cond: Conditional

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
ShipmentAcceptRequest	ShipmentAcceptRequest	Yes	1	Container	N/A									
Request	ShipmentAcceptRequest /Request	Yes	1	Container	N/A									
RequestAction	/ShipmentAcceptRequest /Request /RequestAction	Yes	1	String	10	Indicates the action to be taken by the XML service.	Must be 'ShipAccept'.							
TransactionReference	/ShipmentAcceptRequest /Request /TransactionReference	No	1	Container	N/A	TransactionReference identifies transactions between client and server.								
CustomerContext	/ShipmentAcceptRequest /Request /TransactionReference /CustomerContext	No	1	String	1..50	Customer context								

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
XpciVersion	/ShipmentAcceptRequest /Request /TransactionReference /XpciVersion	No	1	String	4	Deprecated								
ShipmentDigest	/ShipmentAcceptRequest /ShipmentDigest	Yes	1	String Variable	1-255	Encoded shipment parameters required to be passed in the accept phase.								

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>FSDJHFSDJSHDJK47873487489KFSDJKQSDFSJDFK94238093489034KSDFJSDFKLJFDSKFKDJFSDKJFLSDKA923809234893402K
LSDFJKLSDFJDFKSJFSDKLJFDSKLJFSDKLJ49230843920814309KLSDJFKLSJDFKLSJSDFKLJDKFLJDSKLJ092348349223098IJKLFJKLFSDJFKLASDJFKAJF
SDIUR897348574KJWEHRIQEWU8948348(truncated)</ShipmentDigest>
</ShipmentAcceptRequest>
```

ShipmentAcceptResponse

The ShipmentAcceptResponse message contains a single XML document that conforms to the following structure.

(Forward) ShipmentAcceptResponse XML Details:

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

Yes: *Always* required

No: *Always* optional

Yes*: *Conditionally* required

Cond: Conditional

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
<i>ShipmentAcceptResponse</i>	/ShipmentAcceptResponse	Yes	1	Container	N/A									
Response	/ShipmentAcceptResponse /Response	Yes	1	Container	N/A									

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
TransactionReference	/ShipmentAcceptResponse /Response /TransactionReference	Yes	1	Container	N/A									
CustomerContext	/ShipmentAcceptResponse /Response /TransactionReference /CustomerContext	No	1	String										
XpciVersion	/ShipmentAcceptResponse /Response /TransactionReference /XpciVersion	No	1	String										
ResponseStatusCode	/ShipmentAcceptResponse /Response /ResponseStatusCode	Yes	1	String										
ResponseStatusDescription	/ShipmentAcceptResponse /Response /ResponseStatusDescription	Yes	1	String										

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
Error	/ShipmentAcceptResponse /Response /Error	Cond	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.								
ErrorSeverity	/ShipmentAcceptResponse /Response /Error /ErrorSeverity	Yes	1	String	1..15	Describes the severity of the error. TransientError - Customer's data has not been processed due to system unavailability. The customer has to wait and try again. HardError - 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	1	String	1..15	A numeric value that describes the error. Each tool defines a range of error codes. Refer to Error Conditions table in the 'Programming Information' chapter for detailed descriptions of all errors.								

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
ErrorDescription	/ShipmentAcceptResponse /Response /Error /ErrorDescription	Yes	1	String	1..50	Describes the error code.								
ErrorLocation	/ShipmentAcceptResponse /Response /Error /ErrorLocation	Yes	1	Container	N/A	Identifies the element in error.								
ErrorLocationElementName	/ShipmentAcceptResponse /Response /Error /ErrorLocation /ErrorLocationElementName	Yes	1	String		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	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	/ShipmentAcceptResponse /Response /Error /ErrorDigest	Yes	1	String	Variable	The contents of the element in error.								

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
ShipmentResults	/ShipmentAcceptResponse /ShipmentResults	yes	1	Container	N/A									
ShipmentCharges	/ShipmentAcceptResponse /ShipmentResults /ShipmentCharges	Cond	1	Container	N/A	Shipment charges info. Shipment charges are only guaranteed to be returned for shipments whose origin country is US or Puerto Rico.								
TransportationCharges	/ShipmentAcceptResponse /ShipmentResults /ShipmentCharges /TransportationCharges	yes	1	Container	N/A									
CurrencyCode	/ShipmentAcceptResponse /ShipmentResults /ShipmentCharges /TransportationCharges /CurrencyCode	Yes	1	String	3	Transportation charges currency code type. The currency code used in the ShipmentConfirmRequest is returned.								
MonetaryValue	/ShipmentAcceptResponse /ShipmentResults /ShipmentCharges /TransportationCharges /MonetaryValue	Yes	1	String	1..19	Transportation and surcharges value amount.	Valid values are from 0 to 999999999999999.99							

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
ServiceOptionsCharges	/ShipmentAcceptResponse /ShipmentResults /ShipmentCharges /ServiceOptionsCharges	yes	1	Container	N/A									
CurrencyCode	/ShipmentAcceptResponse /ShipmentResults /ShipmentCharges /ServiceOptionsCharges /CurrencyCode	Yes	1	String	3	Accessorial charges currency code type. The currency code used in the ShipmentConfirmRequest is returned.								
MonetaryValue	/ShipmentAcceptResponse /ShipmentResults /ShipmentCharges /ServiceOptionsCharges /MonetaryValue	Yes	1	String	1..19	Accessorial charges value amount.	Valid values are from 0 to 999999999999999.99							
TotalCharges	/ShipmentAcceptResponse /ShipmentResults /ShipmentCharges /TotalCharges	yes	1	Container	N/A									
CurrencyCode	/ShipmentAcceptResponse /ShipmentResults /ShipmentCharges /TotalCharges /CurrencyCode	Yes	1	String	3	Total charges currency code type. The currency code used in the ShipmentConfirmRequest is returned.								

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
MonetaryValue	/ShipmentAcceptResponse /ShipmentResults /ShipmentCharges /TotalCharges /MonetaryValue	Yes	1	String	1..19	Total charges value amount.	Valid values are from 0 to 99999999999999.99							
NegotiatedRates	/ShipmentAcceptResponse /ShipmentResults /NegotiatedRates	Cond	1	Container	N/A									
NetSummaryCharges	/ShipmentAcceptResponse /ShipmentResults /NegotiatedRates /NetSummaryCharges	Cond	1	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.								
GrandTotal	/ShipmentAcceptResponse /ShipmentResults /NegotiatedRates /NetSummaryCharges /GrandTotal	Yes	1	Container	N/A									
MonetaryValue	/ShipmentAcceptResponse /ShipmentResults /NegotiatedRates /NetSummaryCharges /GrandTotal /MonetaryValue	Yes*	1	String	1..19	Net Summary charges monetary value.	Valid values are from 0 to 999999999999999.99							

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
CurrencyCode	/ShipmentAcceptResponse /ShipmentResults /NegotiatedRates /NetSummaryCharges /CurrencyCode	Yes*	1	String	3	Net Summary charges currency code.								
BillingWeight	/ShipmentAcceptResponse /ShipmentResults /BillingWeight	Yes	1	Container	N/A									
UnitOfMeasurement	/ShipmentAcceptResponse /ShipmentResults /BillingWeight /UnitOfMeasurement	Yes	1	Container	N/A									
Code	/ShipmentAcceptResponse /ShipmentResults /BillingWeight /UnitOfMeasurement /Code	Yes	1	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	1	String	3	Description of the billing weight measurement units. Values are: KGS or LBS								

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
Weight	/ShipmentAcceptResponse /ShipmentResults /BillingWeight /Weight	Yes	1	String	8	Billing weight. Higher of the actual shipment weight versus the shipment dimensional weight. Set to 0 for package type of letters or envelopes.								
ShipmentIdentificationNumber	/ShipmentAcceptResponse /ShipmentResults /ShipmentIdentificationNumber	Yes	1	String	18	Returned UPS shipment ID number.	1Z Number of the first package in the shipment.							
PickupRequestNumber	/ShipmentAcceptResponse /ShipmentResults /PickupRequestNumber	No	1	String	11	Shipment pickup number.	If an On Call pickup is requested.							
ControlLogReceipt	/ShipmentAcceptResponse /ShipmentResults /ControlLogReceipt	Cond	1	Container	N/A	Container for the High Value reports	When forward shipment's 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	1	Container	N/A	Container for the High Value report format, required if parent exist								

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
Code	/ShipmentAcceptResponse /ShipmentResults /ControlLogReceipt /ImageFormat /Code	Yes*	1	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	1	String	1..35	Description of the format code								
GraphicImage	/ShipmentAcceptResponse /ShipmentResults /ControlLogReceipt /GraphicImage	Yes*	1	Base 64 Encoded Variable Length		Base 64 encoded html, EPL2, ZPL, STARPL or SPL image								
PackageResults	/ShipmentAcceptResponse /ShipmentResults /PackageResults	No	Many (up to 200)	Container	N/A	Returned Package Information.								

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
TrackingNumber	/ShipmentAcceptResponse /ShipmentResults /PackageResults /TrackingNumber	Yes	1	String	18	Package 1Z number.								
ServiceOptionsCharges	/ShipmentAcceptResponse /ShipmentResults /PackageResults /ServiceOptionsCharges	Cond	1	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	1	String	3	Package accessorial charges currency code type. The currency code used in the ShipmentConfirmRequest is returned.								
MonetaryValue	/ShipmentAcceptResponse /ShipmentResults /PackageResults /ServiceOptionsCharges /MonetaryValue	Yes	1	String	1..19	Package accessorial charges value amount.	Valid values are from 0 to 999999999999999.99							
LabelImage	/ShipmentAcceptResponse /ShipmentResults /PackageResults /LabelImage	Cond	1	Container	N/A	The container for UPS shipping label	Shipment without return service or with PRL return service.							

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
LabelImageFormat	/ShipmentAcceptResponse /ShipmentResults /PackageResults /LabelImage /LabelImageFormat	yes	1	Container	N/A									
Code	/ShipmentAcceptResponse /ShipmentResults /PackageResults /LabelImage /LabelImageFormat /Code	Yes	1	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	1	String	1..35	Description of the label image format code.								
GraphicImage	/ShipmentAcceptResponse /ShipmentResults /PackageResults /LabelImage /GraphicImage	Yes	1	Encoded Variable	1..255	Base 64 encoded graphic image.								

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
InternationalSignatureGraphicImage	/ShipmentAcceptResponse /ShipmentResults /PackageResults /LabelImage /InternationalSignatureGraphicImage	Cond	1	Encoded	Variable Length	Base 64 encoded graphic image of the Warsaw text and signature box.	EPL2, ZPL, STARPL 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	1	Encoded	Variable Length	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	1	Encoded	Variable Length	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	1	Container	N/A	Container for the receipt and the receipt link.	Not supported for ERL or PRL shipments.							

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
Image	/ShipmentAcceptResponse /ShipmentResults /PackageResults /Receipt /Image	Cond	1	Container	N/A	Container for the receipt of a return shipment								
ImageFormat	/ShipmentAcceptResponse /ShipmentResults /PackageResults /Receipt /Image /ImageFormat	Yes*	1	Container	N/A	Container for a receipt format								
Code	/ShipmentAcceptResponse /ShipmentResults /PackageResults /Receipt /Image /ImageFormat /Code	Yes*	1	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	1	String	1..35	Description of the image format code.								

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
GraphicImage	/ShipmentAcceptResponse /ShipmentResults /PackageResults /Receipt /Image /GraphicImage	Yes*	1	Encoded	Variable Length	Base 64 encoded PRL receipt in HTML format								
Form	/ShipmentAcceptResponse /ShipmentResults /Form	Cond	1	Container	N/A	Container tag for the International forms image								
Code	/ShipmentAcceptResponse /ShipmentResults /Form /Code	Yes*	1	String	2	Code that indicates the type of form	Possible Values 01 – All Requested International Forms							
Description	/ShipmentAcceptResponse /ShipmentResults /Form /Description	Yes*	1	String	1...35	Description that indicates the type of form	Possible Values All Requested International Forms							
Image	/ShipmentAcceptResponse /ShipmentResults /Form /Image	Cond	1	Container	N/A	Container tag for the International forms image								

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
ImageFormat	/ShipmentAcceptResponse /ShipmentResults /Form /Image /ImageFormat	Cond	1	Container	N/A	Container tag for the International forms image format information								
Code	/ShipmentAcceptResponse /ShipmentResults /Form /Image /ImageFormat /Code	Cond	1	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	1	String	1..35	Description of the form image format code.								
GraphicImage	/ShipmentAcceptResponse /ShipmentResults /Form /Image /GraphicImage	Cond	1	Base 64 Encoded Variable	1..2048	Base 64 encoded International forms image								
FormGroupId	/ShipmentAcceptResponse /ShipmentResults /Form /FormGroupId	Cond One	1	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	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
FormGroupIdName	/ShipmentAcceptResponse /ShipmentResults /Form /FormGroupIdName	No	1	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	1	Container	N/A									
Image	/ShipmentAcceptResponse /ShipmentResults /CODTurnInPage /Image	Yes*	1	Container	N/A	The container of the image for COD Turn In Page.								
ImageFormat	/ShipmentAcceptResponse /ShipmentResults /CODTurnInPage /Image /ImageFormat	Yes*	1	Container	N/A	The container for format of COD Turn In Page								
Code	/ShipmentAcceptResponse /ShipmentResults /CODTurnInPage /Image /ImageFormat /Code	Yes*	1	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.							

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
Description	/ShipmentAcceptResponse /ShipmentResults /CODTurnInPage /Image /ImageFormat /Description	No	1	String	1...35	Description of the format code of generated COD Turn In page.								
GraphicImage	/ShipmentAcceptResponse /ShipmentResults /CODTurnInPage /Image /GraphicImage	Yes*	1	Base 64 Encoded Variable Length	1...35	Base 64 encoded html browser image rendering software.								
PickupRequestNumber	/ShipmentAcceptResponse /ShipmentResults /PickupRequestNumber	No	1	String	11	Shipment pickup number.								
ControlLogReceipt	/ShipmentAcceptResponse /ShipmentResults /ControlLogReceipt	Cond	1	Container	N/A	Container for the High Value reports								
ImageFormat	/ShipmentAcceptResponse /ShipmentResults /ControlLogReceipt /ImageFormat	Cond	1	Container	N/A	Container for the High Value report format, required if parent exist								

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
Code	/ShipmentAcceptResponse /ShipmentResults /ControlLogReceipt /ImageFormat /Code	Yes*	1	String	4	Code for the type of Graphic Image for the High Value Report.								
Description	/ShipmentAcceptResponse /ShipmentResults /ControlLogReceipt /ImageFormat /Description	No	1	String	1..35	Description of the format code								
GraphicImage	/ShipmentAcceptResponse /ShipmentResults /ControlLogReceipt /GraphicImage	Yes*	1	Base 64 Encoded Variable Length		Base 64 encoded html, EPL2, ZPL, STARPL or SPL image								
PackageResults	/ShipmentAcceptResponse /ShipmentResults /PackageResults	No	Many (up to 200)	Container	N/A	Returned Package Information.								
TrackingNumber	/ShipmentAcceptResponse /ShipmentResults /PackageResults /TrackingNumber	Yes	1	String	18	Package 1Z number.								

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
ServiceOptionsCharges	/ShipmentAcceptResponse /ShipmentResults /PackageResults /ServiceOptionsCharges	Cond	1	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	1	String	3	Package accessorial charges currency code type. The currency code used in the ShipmentConfirmRequest is returned.								
MonetaryValue	/ShipmentAcceptResponse /ShipmentResults /PackageResults /ServiceOptionsCharges /MonetaryValue	Yes	1	String	1..19	Package accessorial charges value amount.								
LabelImage	/ShipmentAcceptResponse /ShipmentResults /PackageResults /LabelImage	Cond	1	Container	N/A	The container for UPS shipping label								
LabelImageFormat	/ShipmentAcceptResponse /ShipmentResults /PackageResults /LabelImage /LabelImageFormat	yes	1	Container	N/A									

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
Code	/ShipmentAcceptResponse /ShipmentResults /PackageResults /LabelImage /LabelImageFormat /Code	Yes	1	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.								
Description	/ShipmentAcceptResponse /ShipmentResults /PackageResults /LabelImage /LabelImageFormat /Description	No	1	String	1..35	Description of the label image format code.								
GraphicImage	/ShipmentAcceptResponse /ShipmentResults /PackageResults /LabelImage /GraphicImage	Yes	1	Encoded Variable Length		Base 64 encoded graphic image.								
InternationalSignatureGraphicImage	/ShipmentAcceptResponse /ShipmentResults /PackageResults /LabelImage /InternationalSignatureGraphicImage	Cond	1	Encoded Variable Length		Base 64 encoded graphic image of the Warsaw text and signature box.								

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
HTMLImage	/ShipmentAcceptResponse /ShipmentResults /PackageResults /LabelImage /HTMLImage	Cond	1	Encoded	Variable Length	Base 64 encoded html browser image rendering software.								
PDF417	/ShipmentAcceptResponse /ShipmentResults /PackageResults /LabelImage /PDF417	Cond	1	Encoded	Variable Length	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								
Receipt	/ShipmentAcceptResponse /ShipmentResults /PackageResults /Receipt	Cond	1	Container	N/A	Container for the receipt and the receipt link.								
Image	/ShipmentAcceptResponse /ShipmentResults /PackageResults /Receipt /Image	Cond	1	Container	N/A	Container for the receipt of a return shipment								
ImageFormat	/ShipmentAcceptResponse /ShipmentResults /PackageResults /Receipt /Image /ImageFormat	Yes*	1	Container	N/A	Container for a receipt format								

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
Code	/ShipmentAcceptResponse /ShipmentResults /PackageResults /Receipt /Image /ImageFormat /Code	Yes*	1	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	1	String	1..35	Description of the image format code.								
GraphicImage	/ShipmentAcceptResponse /ShipmentResults /PackageResults /Receipt /Image /GraphicImage	Yes*	1	Encoded	Variable Length	Base 64 encoded PRL receipt in HTML format								
Form	/ShipmentAcceptResponse /ShipmentResults /Form	Cond	1	Container	N/A	Container tag for the International forms image								

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
Code	/ShipmentAcceptResponse /ShipmentResults /Form /Code	Yes*	1	String	2	Code that indicates the type of form								
Description	/ShipmentAcceptResponse /ShipmentResults /Form /Description	Yes*	1	String	1...35	Description that indicates the type of form								
Image	/ShipmentAcceptResponse /ShipmentResults /Form /Image	Cond	1	Container	N/A	Container tag for the International forms image								
ImageFormat	/ShipmentAcceptResponse /ShipmentResults /Form /Image /ImageFormat	Cond	1	Container	N/A	Container tag for the International forms image format information								
Code	/ShipmentAcceptResponse /ShipmentResults /Form /Image /ImageFormat /Code	Cond	1	String	3	Code representing the format in which the forms are generated Possible Values PDF = "pdf"								

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
Description	/ShipmentAcceptResponse /ShipmentResults /Form /Image /ImageFormat /Description	No	1	String	1..35	Description of the form image format code.								
GraphicImage	/ShipmentAcceptResponse /ShipmentResults /Form /Image /GraphicImage	Cond	1	Base 64 Encoded Variable Length	1..255	Base 64 encoded International forms image								
FormGroupId	/ShipmentAcceptResponse /ShipmentResults /Form /FormGroupId	Cond Once	1	String	1..26	Unique Id for later retrieval of saved version of the completed international forms.								
FormGroupIdName	/ShipmentAcceptResponse /ShipmentResults /Form /FormGroupIdName	No	1	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	1	Container	N/A									

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
Image	/ShipmentAcceptResponse /ShipmentResults /CODTurnInPage /Image	Yes*	1	Container	N/A	The container of the image for COD Turn In Page.								
ImageFormat	/ShipmentAcceptResponse /ShipmentResults /CODTurnInPage /Image /ImageFormat	Yes*	1	Container	N/A	The container for format of COD Turn In Page								
Code	/ShipmentAcceptResponse /ShipmentResults /CODTurnInPage /Image /ImageFormat /Code	Yes*	1	String	4	Format code of the generated COD Turn In Page. Valid values: 'HTML' = HTML format								
Description	/ShipmentAcceptResponse /ShipmentResults /CODTurnInPage /Image /ImageFormat /Description	No	1	String	1...35	Description of the format code of generated COD Turn In page.								
GraphicImage	/ShipmentAcceptResponse /ShipmentResults /CODTurnInPage /Image /GraphicImage	Yes*	1	Base 64 Encoded Variable Length	1...255	Base 64 encoded html browser image rendering software.								

(Forward) ShipmentAcceptResponse Example Message:

```
<?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>FSDJHSDJHJ3487EHNE9U8DY9VHRFV89SDFHFSDJHFSIDIF
HSJKDFSJKDFSJIU9GFIUGJIFDUJG9UKGLDJFDKJDKGJDFKGDJLDFKSJGKDFJDKGFDG9E0ERIIGE39
IWURE9U9EROUW9R0UR9WEGU9URE9WGUW90U90GRUG90GERUG9REUGWERGJIOJGIODFGUI
OFDUGIOFUIGRUE090U9TERUT90RUT9EU90ERUT9ERU9EUE9TUT9ROUTE90RU9TERU90RTEU9
SDKHGJHGDUFU</GraphicImage>
        <HTMLImage>SKJJKLHGIGKHGKJHGFJGFJHDFJGHDDJFHFDJHJHJFKDHJKFDHJ
FJDFHDFJHJDFHGDJHGDGFSHJKFSDHSDJHJFSDHJDKDFHJFKSHDSKJHGFJDSJDFSJSKJJKLHGIGKHG
KJHGFJGFJHDFJGHDDJFHFDJHJHJFKDHJKFDHJFJDFHDFHJDFHGDJHGDGFSHJKFSDHSDJHJFSDHJ
KDFHJFKSHDSKJHGFJDSJDFSJKHGJKDS</HTMLImage>
      </LabelImage>
    </PackageResults>
    <PackageResults>
      <TrackingNumber>1Z123X670292134678</TrackingNumber>
      <AccessorialCharges>
        <MonetaryValue>2.20</MonetaryValue>
      </AccessorialCharges>
      <LabelImage>
```

```
<LabelImageFormat>
  <Code>GIF</Code>
</LabelImageFormat>
<GraphicImage>895UIGJ89XCASDVIGFUISDFNKLFS DANUI43UIT34IONSDFK
HG89GUKGJNGKDJFKDJDGKJDKFS DU089REUTDRKJOEIOUTERIJREIKGRJIGOWEJIEJIEGJGRIOEJGR
IGJIODJGFIODFJSIUDFIOGDFUGDF890ERUTRIOGTJRDIOOGJGIOSDFJGIOJGIOJIOGFUGJIOGU90E
8T9TRFIRWEU90WERU90WU90WTU90WUT09WEUTWRJGKSDFJGIOSDFJGOISDFJGIOSJSD</Grap
hicImage>
  <HTMLImage>JDFSKAATRIOERHIOEGHNVIXCUIFGJMF DGMAN8Y89H54JMN1
MK345H8SDHFDHGJKGHFDJKGHDGKS FJAH893YTUITNGDFJSGH8935Y5RTHDDFJKHT89HTJETHW
ER8934Y89534KGNDFOJKKH893RYETFIHTRUIOEY89TY34IHDFUIHGRU9T38934UITHDIUJT HEQW
89RY8WIERHT9RI</HTMLImage>
</LabelImage>
</PackageResults>
</ShipmentResults>
</ShipmentAcceptResponse>
```

Cancelling Shipments

UPS OnLine Tools use a two-message exchange to cancel a shipment. Those messages are VoidShipmentRequest and VoidShipmentResponse.

VoidShipmentRequest

The VoidShipmentRequest message consists of two complete XML documents. The first document is an AccessRequest. The AccessRequest is immediately followed by a VoidShipmentRequest. When a client application is undergoing testing and integration, the document combination should be sent to the URL:

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

Once a client application is in production, the combined documents should be sent to the URL provided as part of the certification process.

The VoidShipmentRequest document in the request must conform to the following XML structure.

VoidShipmentRequest XML Details:

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

Yes: *Always* required

No: *Always* optional

Yes*: *Conditionally* required

Cond: Conditional

(See next pages)

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
VoidShipmentRequest	/VoidShipmentRequest	Yes	1	Container										
Request	/VoidShipmentRequest /Request	Yes	1	Container										
RequestAction	/VoidShipmentRequest /Request /RequestAction	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.							
RequestOption	/VoidShipmentRequest /Request /RequestOption	No	1	String	1	Optional processing. No options								
TransactionReference	/VoidShipmentRequest /Request /TransactionReference	No	1	Container		TransactionReference identifies transactions between client and server.								

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
CustomerContext	/VoidShipmentRequest /Request /TransactionReference /CustomerContext	No	1	String	1..512	The client uses CustomerContext to synchronize request/response pairs. The client establishes CustomerContext, which can contain any information you want, as long as it is valid XML; it is echoed back by the server.								
XpciVersion	/VoidShipmentRequest /Request /TransactionReference /XpciVersion	No	1	String	4	Message version. Defaults to '1.0001'.								
ShipmentIdentificationNumber	/VoidShipmentRequest /ShipmentIdentificationNumber	Cond	1	String	18	The shipment's identification number	Must pass 1Z rules. This element is mutually exclusive with the Expanded Void Shipment node.							
ExpandedVoidShipment	/VoidShipmentRequest /ExpandedVoidShipment	Cond	1	Container	1	Expanded Void Capability	This element is mutually exclusive with the VoidShipment Request/ ShipmentIdentificationNumber.							
ShipmentIdentificationNumber	/VoidShipmentRequest /ExpandedVoidShipment /ShipmentIdentificationNumber	Yes	1	String	18	The shipment's identification number	Must pass 1Z rules.							

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
TrackingNumber	/VoidShipmentRequest /ExpandedVoidShipment /TrackingNumber	No	unbounded	String	18	The package's identification number	Must pass 1Z rules. Must be upper case.							

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

The VoidShipmentResponse message contains a single XML document that conforms to the following structure.

VoidShipmentResponse XML Details:

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

Yes: *Always* required

No: *Always* optional

Yes*: *Conditionally* required

Cond: Conditional

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
<i>VoidShipmentResponse</i>	/VoidShipmentResponse	Yes	1	Container	N/A									
Response	/VoidShipmentResponse /Response	Yes	1	Container	N/A	Contains Errors information tags along with the success/fail status of the void request.								

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
TransactionReference	/VoidShipmentResponse /Response /TransactionReference	Yes	1	Container	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.								

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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.								
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.								
ErrorLocation	/VoidShipmentResponse /Response /Error /ErrorLocation	No	1	Container	N/A	Identifies the element in error.								

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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.								
Status	/VoidShipmentResponse /Status	Yes	1	Container	N/A	Contains Status information tags.								
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.								

NAME	XPATH	REQUIRED	MAX ALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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								
Description	/VoidShipmentResponse /Status /StatusCode /Description	Yes*	1	String	1..15	A text description of the status code.								
PackageLevelResults	/VoidShipmentResponse /PackageLevelResults	No <small>Zero to Many</small>	unbounded	Container	N/A	Contains the Package Level Results For the expanded void functionality only.								
TrackingNumber	/VoidShipmentResponse /PackageLevelResults /TrackingNumber	Yes*	1	String	18	The package's identification number								

NAME	XPATH	REQUIRED	MAXALLOWED	TYPE	LENGTH	DESCRIPTION	VALIDATION RULES	FORWARD ONLY	RETURN ONLY	CERT. OF ORIGIN	N/AFTA CO	INVOICE	SED	PARTIAL INV.
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.								

VoidShipmentResponse Example Message:

```
<?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>
```

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.

Code	Severity	Explanation
10001	Hard	The XML document is not well formed
10002	Hard	The XML document is well formed but the document is not valid
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 shipment
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.
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.
120050	Hard	RequestAction has an unsupported value.
120051	Hard	Invalid RequestOption

Code	Severity	Explanation
120100	Hard	Missing/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
120111	Hard	Shipper EmailAddress cannot exceed a length of 50 characters
120112	Hard	Shipper EmailAddress 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 Shipper's ShipperNumber must be the same as the shipments ShipFrom's country.
120121	Hard	The Shipper's shipper number cannot be used for the shipment.
120122	Hard	Invalid Shipper ShipperNumber
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

Code	Severity	Explanation
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
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. ShipFrom PhoneNumber must be at least 10 alphanumeric characters
120313	Hard	ShipFromPhoneExtension must contain only numbers
120314	Hard	ShipFromPhoneExtension is only valid if a phone number is given
120316	Hard	The ShipFrom country must be the same as the Shipper country
120317	Hard	ShipFrom phone number and phone extension together cannot be more than 15 digits long
120318	Hard	Missing/Invalid shipment payment method
120400	Hard	Missing/Invalid credit card type
120402	Hard	Missing/Invalid credit card number
120403	Hard	Missing/Invalid credit card expiration date
120404	Hard	creditcard number is not valid for the credit card type
120406	Hard	The credit card provided as the payment method has expired.
120407	Hard	Missing credit card type
120408	Hard	One payment method is required.
120410	Hard	Credit card payment is not allowed for this shipment.
120411	Hard	{Description}
120412	Hard	The UPS account number provided as the payment method cannot be billed, please try another account.
120413	Hard	Credit card authorization failed, contact your financial institution
120414	Hard	PaymentInformation/Prepaid/BillShipper/AccountNumber must be the same shipper number as Shipper/ShipperNumber
120415	Hard	A single billing option is required per shipment.
120416	Hard	Missing/Invalid country code of billed third party
120430	Hard	Missing/Invalid PostalCode of payment account
120437	Hard	Missing/Invalid Service/Code
120500	Hard	Invalid Shipment/ReferenceNumber/Value
120501	Hard	InvoiceLineTotal/MonetaryValue must be greater than 0
120502	Hard	Shipment Description cannot exceed the length of 35 characters
120503	Hard	InvoiceLineTotal is not allowed for this shipment
120504	Hard	Saturday Delivery Option cannot be used for this shipment
120505	Hard	Invalid Shipment/ReferenceNumber/ Code
120506	Hard	Missing/Invalid On Call Air pickup date
120508	Hard	Missing/Invalid latest On Call Air pickup time
120510	Hard	Invalid earliest or latest On Call Air pickup time
120511	Hard	

Code	Severity	Explanation
120512	Hard	Shipment Description is required for this shipment.
120515	Hard	{ notification type} Memo cannot exceed the length of 150 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/DocumentsOnly is invalid with the shipment's origin/destination pair
120524	Hard	Package Pickup Request is not available with this shipment's service
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
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 (UOM Weight) is not a valid unit of measurement for weight for this shipment
120546	Hard	(UOM Dimension) is not a valid unit of measurement for dimensions.
120547	Hard	

Code	Severity	Explanation
120548	Hard	A shipment cannot have a KGS/IN or LBS/CM as its unit of measurements
120549	Hard	Invalid ReferenceNumber/BarCodeIndicator.
120550	Hard	Shipment/ReferenceNumber[(reference number)]/Value cannot be bar-coded
120551	Hard	Package(sequence) /ReferenceNumber[(reference number)]/Value cannot be bar-coded
120552	Hard	LabelLinkIndicator is not allowed for the shipment.
120553	Hard	ReferenceNumber/BarCodeIndicator is not allowed with the shipment.
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
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.
120625	Hard	Invalid/Missing Shipment/ReturnServiceCode
120626	Hard	The COD Funds Code is invalid. Please check the value

Code	Severity	Explanation
		entered
120627	Hard	The COD Code is invalid. Please check the value entered
120644	Hard	LabelDelivery is not valid for the shipment
120645	Hard	Return Notification is not valid for the shipment
		Invalid
120649	Hard	ShipmentServiceOptions/Notification/NotificationCode
		Invalid PackageServiceOptions/
120650	Hard	Notification/NotificationCode
		No more than two email addresses for Receiver Return
120654	Hard	Notification are allowed in a shipment
		{Email field} of Receiver Return Notification is only
120655	Hard	allowed to be specified at the first package.
		Receiver Return Notification is not allowed for the
120658	Hard	shipment without return service
		ShipmentServiceOptions/ShipmentNotification is not
120659	Hard	allowed with return service
		ShipmentServiceOptions/ShipmentNotification is not
120660	Hard	allowed with ShipmentServiceOptions/Notification
		For a shipment, the maximum number of {email field}
120661	Hard	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
		Missing/Invalid LabelSpecification/
120700	Hard	LabelPrintMethod/Code
120701	Hard	Missing/Invalid LabelSpecification/ HTTPUserAgent
		Missing/Invalid LabelSpecification/
120702	Hard	LabelImageFormat/Code
		Missing/Invalid Combination of LabelSpecification/
120703	Hard	LabelStockSize
120704	Hard	Missing/Invalid LabelSpecification/ LabelStockSize/Height
120705	Hard	Missing/Invalid LabelSpecification/LabelStockSize/Width
120759	Hard	Invalid Movement Reference Number (note: must contain only alpha numeric characters)
120760	Hard	Invalid Movement Reference Number (note: must be 18 characters in length)
120761	Hard	Invalid Movement Reference Number (note: characters 3 & 4 must be the ISO country code)
120801	Hard	Address Validation Error on Shipper address
120802	Hard	Address Validation Error on ShipTo address
120803	Hard	Address Validation Error on ShipFrom address
		Address Validation Warning on Shipper address.
120804	Warning	{Description}
		Address Validation Warning on ShipTo address.
120805	Warning	{Description}
		Address Validation Warning on ShipFrom address
120806	Warning	{Description}
		User Id and Shipper Number combination is not eligible
120900	Warning	to receive Account Based Rates.
120901	Warning	Negotiated Rates are unavailable at this time.
121005	Hard	The COD option cannot be combined with the Return

Code	Severity	Explanation
		Services option.
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.
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}
121040	Hard	The Return Services are unavailable with the requested service.
121045	Hard	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.
121087	Hard	The Authorized Return Service option is not allowed for shipments.
121090	Hard	{Rating error description}
121091	Hard	{Rating error description}
121100	Hard	The selected service is invalid for the shipment origin.
121105	Hard	The given accessory key is invalid for the shipment origin.
121106	Hard	The specified country, origin or dest, is not supported.
121107	Hard	A blank origin postal was specified.
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})
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.
121160	Hard	The accessory is invalid with the billing option.
121165	Hard	The Verbal Confirmation of Delivery option cannot be combined with the Return Services option.

Code	Severity	Explanation
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.
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)
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.
121225	Hard	Return Services are unavailable to the given destination.
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.

Code	Severity	Explanation
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.
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.
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
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}
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.

Code	Severity	Explanation
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 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.
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
125000	Hard	Missing or invalid shipment digest.
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}
129011	Hard	The maximum declared value amount for the 1-Attempt option is 999 USD
129012	Hard	The maximum declared value amount for the Print and Mail option is 999 USD
120914	Hard	The maximum declared value amount for the Electronic Delivery option is 999 USD
120915	Hard	The maximum declared value amount for the 3-Attempt option is 50,000 USD
129017	Warning	{Rating error description} .
129018	Warning	{Rating error description} .
129019	Hard	{Rating error description}
20001	Hard	General process failure
121156	Hard	Package Level COD is not valid for the shipment origin and/or destination
129020	Warning	Ship To Address Classification from AMS subsystem is different from user indicated.
129021	Hard	Both Security code and Billing address are required if

Code	Severity	Explanation
		credit card information is provided.
		This credit card has been locked due to multiple unsuccessful validation attempts. Please use another credit card to continue or try again later.
129022	Hard	
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
129050	Hard	Missing credit card billing address postal code
129051	Hard	Missing credit card billing address country code
129070	Warning	{Rating error description}
		The requested service is unavailable between the selected locations
120124	Hard	
120125	Hard	Consignee billing is only supported in US or Puerto Rico
129057	Hard	Location ID may not exceed the length of 10
		Invalid ultimate consignee address line 3. Valid length is 0 to 35 alphanumeric
128014	Hard	
		Invalid or missing ultimate consignee city. Valid length is 1 to 30 alphanumeric
128015	Hard	
		Invalid ultimate consignee state province code. Valid length is 0 to 5 alphanumeric
128016	Hard	
		Invalid ultimate consignee postal code. Valid length is 0 to 9 alphanumeric
128017	Hard	
128018	Hard	Invalid or missing ultimate consignee country code
		Invalid or missing intermediate consignee company name. Valid length is 1 to 35 alphanumeric
128019	Hard	
		Invalid or missing intermediate consignee address line 1. Valid length is 1 to 35 alphanumeric
128020	Hard	
		Invalid intermediate consignee address line 2. Valid length is 0 to 35 alphanumeric
128021	Hard	
		Invalid intermediate consignee address line 3. Valid length is 0 to 35 alphanumeric
128022	Hard	
		Invalid or missing intermediate consignee city. Valid length is 1 to 30 alphanumeric
128023	Hard	
		Invalid intermediate consignee state province code. Valid length is 0 to 5 alphanumeric
128024	Hard	
		Invalid intermediate consignee postal code. Valid length is 0 to 9 alphanumeric
128025	Hard	
128026	Hard	Invalid or missing intermediate consignee country code
		Invalid or missing producer option. Valid values are 01, 02, 03 or 04
128027	Hard	
		Invalid or missing producer company name. Valid length is 1 to 35 alphanumeric
128028	Hard	
		Invalid or missing producer address line 1. Valid length is 1 to 35 alphanumeric
128029	Hard	
		Invalid producer address line 2. Valid length is 0 to 35 alphanumeric
128030	Hard	
		Invalid producer address line 3. Valid length is 0 to 35 alphanumeric
128031	Hard	
		Invalid or missing producer city. Valid length is 1 to 30 alphanumeric
128032	Hard	
		Invalid producer state province code. Valid length is 0 to 5 alphanumeric
128033	Hard	
		Invalid producer postal code. Valid length is 0 to 9 alphanumeric
128034	Hard	
128035	Hard	Invalid or missing producer country code

Code	Severity	Explanation
128036	Hard	Invalid producer phone number. Valid length is 0 to 15 alphanumeric
128037	Hard	Invalid producer email address. Valid length is 0 to 50 alphanumeric
128038	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 4
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. Valid length is 1 to 7 numeric
128044	Hard	Invalid or missing Product/Unit/UnitOfMeasurement/Code. Valid length is 1 to 3 alphanumeric
128045	Hard	Product/Unit/UnitOfMeasurement/Description is required when Product/Unit/UnitOfMeasurement/Code is "OTH" . Valid length is 1 to 3 alphanumeric
128046	Hard	Invalid or missing product unit value. 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. Valid length is 6 to 15 alphanumeric
128049	Hard	Invalid or missing product origin country code
128050	Hard	Invalid or missing net cost code. Valid values are NC or NO
128051	Hard	Invalid or missing net cost date range begin date. Valid format is MMDDYYYY
128052	Hard	Invalid or missing net cost date range end date. Valid format is MMDDYYYY
128053	Hard	Invalid or missing preference criteria. Valid values are A through F
128054	Hard	Invalid or missing producer info. Valid values are YES, NO[1], NO[2] or NO[3]
128055	Hard	Invalid or missing marks and numbers. Valid length is 1 to 35 alphanumeric
128056	Hard	Invalid or missing product weight unit of measurement code. Valid values are KGS or LBS
128057	Hard	Invalid or missing product weight. Valid length is 1 to 5 and it can hold up to 1 decimal places.
128058	Hard	Invalid product vehicle ID. Valid length is 1 to 25 alphanumeric
128059	Hard	Invalid or missing product schedule B number. Valid length is 10 alphanumeric
128060	Hard	Invalid product schedule B quantity. Valid length is 0 to 10 numeric
128061	Hard	Invalid or missing product schedule B unit of measurement code. 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. Valid values are D, F or M
128064	Hard	Invalid or missing SED total value. Valid length is 1 to 15 numeric and can hold up to 2 decimal places

Code	Severity	Explanation
128065	Hard	Invalid invoice number. Valid length is 0 to 35 alphanumeric
128066	Hard	Invalid or missing invoice date. Valid format is MMDDYYYY
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 MMDDYYYY
128077	Hard	Invalid or missing blanket period end date. Valid format is MMDDYYYY
128078	Hard	Invalid or missing export date. Valid format is MMDDYYYY
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 MMDDYYYY
128091	Hard	Invalid license exception code. Valid length is 0 to 3 alphanumeric
128092	Hard	Either license number or license exception code must be present for a SED form.
128093	Hard	Invalid ECCN number code. Valid length is 1 to 3 alphanumeric

Code	Severity	Explanation
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	Invalid product origin country for the selected international form
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. Product description should be present atleast 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 number of packages per commodity. 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.
128201	Hard	Invalid international forms form type for shipment with

Code	Severity	Explanation
		return service. Valid value is 01.
128202	Hard	International forms can not be requested for letters or documents.
129058	Hard	Shipper Number {0} does not support pallet Contract Service.
129059	Hard	Shipper Number {0} does not support Third Country Contract Service.
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 .
		The requested service is not valid with pallets with a weight greater than 1000kg. Please select Dedicated Package Courier Same Day Service.
129079	Hard	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.
129071	Warning	Your invoice may vary from the displayed reference rates
		Only future date pickup is available for pickup requests for the requested origin and destination and selected service
129090	Hard	

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.

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.

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.

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 tools providing 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>

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

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

Once you have completed your testing and Certification, you should direct your software to:

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

System Availability

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

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>

The following will be returned:

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

Appendix A: Sample Shipping and Return Labels

The following figures show sample shipping and return labels that UPS provides.



Figure 22. Sample Shipping Label

SHIP FROM ATTN NAME 1234567890 > SPIDEY WEB DESIGNS 100 MAIN STREET PLANO TX 75093		1 LBS	1 OF 1
SHIP TO: MODINE GUNTZ 1234567890 1234 GUNTZ AUTO REPAIR 442 GLENWOOD AVE 442 GLENWOOD AVE 442 GLENWOOD AVE ATLANTA GA 30076		RS	
	GA 301 9-01 		
UPS NEXT DAY AIR TRACKING #: 1Z ISU S01 84 9399 4068		1	
			
BILLING: 3RD PARTY DESC: International Goods RETURN SERVICE			
		X01 02.09.01 NV45 64.0A 02/2007	

Figure 23. Sample Return Label

Appendix B: Shipping and Tracking Numbers for Void 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)	Description	Expected Result
1Z12345E0390817264	Single package shipment sent via UPS Ground.	Request is processed, and shipment is voided.
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	Multi-package shipment where the request will void only one of the packages associated with the shipment.	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 void the only remaining package in the shipment. The shipment will be completely voided.
1Z12345E1234567890, 1Z12345E8635481269,	Multi-package shipment with a package that cannot be	A successful shipment partially voided XML

1Z12345E1593518308	voided.	response will be returned for a package level void request. Tracking number 1Z12345E1593518308 will not be voided.
1Z12345E2318693258, 1Z12345E0390819985, 1Z12345E0193078536	Multi-package shipment with two packages that remain unvoided.	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.

Appendix C: UPS 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>.

Code	United States Domestic Shipments
01	UPS Next Day Air®
02	UPS Second Day Air®
03	UPS Ground
12	UPS Three-Day Select®
13	UPS Next Day Air Saver®
14	UPS Next Day Air® Early A.M. SM
59	UPS Second Day Air A.M.®
65	UPS Saver

Code	Shipments Originating in United States
01	UPS Next Day Air®
02	UPS Second Day Air®
03	UPS Ground
07	UPS Worldwide Express SM
08	UPS Worldwide Expedited SM
11	UPS Standard
12	UPS Three-Day Select®
14	UPS Next Day Air® Early A.M. SM
54	UPS Worldwide Express Plus SM
59	UPS Second Day Air A.M.®
65	UPS Saver

Code	Shipments Originating in Puerto Rico
01	UPS Next Day Air®
02	UPS Second Day Air®
03	UPS Ground
07	UPS Worldwide Express SM
08	UPS Worldwide Expedited SM
14	UPS Next Day Air® Early A.M. SM
54	UPS Worldwide Express Plus SM
65	UPS Saver

Code	Shipments Originating in Canada
01	UPS Express
07	UPS Worldwide Express SM
08	UPS Worldwide Expedited SM
11	UPS Standard
12	UPS Three-Day Select®
13	UPS Saver SM
14	UPS Express Early A.M. SM

Code	Shipments Originating in Mexico
07	UPS Express
08	UPS Expedited SM
54	UPS Express Plus
65	UPS Saver
Code	Polish Domestic Shipments
07	UPS Express
08	UPS Expedited SM
11	UPS Standard
54	UPS Worldwide Express Plus SM
65	UPS Saver
82	UPS Today Standard SM
83	UPS Today Dedicated Courier SM
84	UPS Today Intercity
85	UPS Today Express
86	UPS Today Express Saver
Code	Shipments Originating in the European Union
07	UPS Express
08	UPS Expedited SM
11	UPS Standard
54	UPS Worldwide Express Plus SM
65	UPS Saver
Code	Shipments Originating in Other Countries
07	UPS Express
08	UPS Worldwide Expedited SM
11	UPS Standard
54	UPS Worldwide Express Plus SM
65	UPS Saver

Appendix D: 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	Reference Number Type
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

Appendix E: 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](http://www.iso.org).

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	Forward Origin	Return Origin	OnCall Air Pickup
Afghanistan	AF			
Åland Islands	AX			
Albania	AL		Yes	
Algeria	DZ			
American Samoa	AS			
Andorra	AD		Yes	
Angola	AO			
Anguilla	AI		Yes	
Antarctica	AQ			
Antigua and Barbados	AG		Yes	
Argentina	AR	Yes	Yes	
Armenia	AM			
Aruba	AW			
Australia	AU	Yes	Yes	Yes
Austria	AT	Yes	Yes	Yes
Azerbaijan	AZ			
Bahamas	BS			
Bahrain	BH			
Bangladesh	BD			
Barbados	BB			
Belarus	BY			
Belgium	BE	Yes	Yes	Yes
Belize	BZ			
Benin	BJ			
Bermuda	BM			
Bhutan	BT			
Bolivia	BO			
Bosnia and Herzegovina	BA			
Botswana	BW			
Bouvet Island	BV			
Brazil	BR	Yes	Yes	
British Indian Ocean Territory	IO			
Brunei Darussalam	BN			
Bulgaria	BG		Yes	
Burkina Faso	BF			
Burundi	BI			
Cambodia	KH			
Cameroon	CM			

Country	Code	Forward Origin	Return Origin	OnCall Air Pickup
Canada	CA	Yes	Yes	Yes
Cape Verde	CV			
Cayman Islands	KY			
Central African Republic	CF			
Chad	TD			
Chile	CL	Yes	Yes	
China	CN	Yes	Yes	Yes
Christmas Island	CX			
Cocos (Keeling) Islands	CC			
Colombia	CO		Yes	
Comoros	KM			
Congo	CG			
Congo, The Democratic Republic of	CD			
Cook Islands	CK			
Costa Rica	CR	Yes	Yes	
Côte D'ivoire	CI			
Croatia	HR		Yes	
Cuba	CU			
Cyprus	CY		Yes	
Czech Republic	CZ	Yes	Yes	
Denmark	DK	Yes	Yes	Yes
Djibouti	DJ			
Dominica	DM			
Dominican Republic	DO	Yes	Yes	
Ecuador	EC		Yes	
Egypt	EG			
El Salvador	SV		Yes	
Equatorial Guinea	GQ			
Eritrea	ER			
Estonia	EE		Yes	
Ethiopia	ET			
Falkland Islands (Malvinas)	FK			
Faroe Islands	FO			
Fiji	FJ			
Finland	FI	Yes	Yes	Yes
France	FR	Yes	Yes	Yes
French Guiana	GF			
French Polynesia	PF			
French Southern Territories	TF			
Gabon	GA			
Gambia	GM			
Georgia	GE			
Germany	DE	Yes	Yes	Yes
Ghana	GH			
Gibraltar	GI			
Greece	GR	Yes	Yes	
Greenland	GL			
Grenada	GD		Yes	
Guadeloupe	GP			
Guam	GU			
Guatemala	GT	Yes	Yes	
Guernsey	GG	Yes	Yes	
Guinea	GN			

Country	Code	Forward Origin	Return Origin	OnCall Air Pickup
Guinea-Bissau	GW			
Guyana	GY			
Haiti	HT		Yes	
Heard Island and Mcdonald Islands	HM			
Holy See (Vatican City State)	VA			
Honduras	HN		Yes	
Hong Kong	HK	Yes	Yes	Yes
Hungary	HU	Yes	Yes	
Iceland	IS		Yes	
India	IN	Yes	Yes	
Indonesia	ID	Yes	Yes	
Iran, Islamic Republic of	IR			
Iraq	IQ			
Ireland	IE	Yes	Yes	Yes
Isle of Man	IM			
Israel	IL	Yes	Yes	
Italy	IT	Yes	Yes	Yes
Jamaica	JM		Yes	
Japan	JP	Yes	Yes	Yes
Jersey	JE	Yes	Yes	
Jordan	JO			
Kazakhstan	KZ			
Kenya	KE			
Kiribati	KI			
Korea, Democratic People's Republic of	KP			
Korea, Republic of	KR	Yes	Yes	
Kuwait	KW			
Kyrgyzstan	KG			
Lao People's Democratic Republic	LA			
Latvia	LV		Yes	
Lebanon	LB		Yes	
Lesotho	LS			
Liberia	LR			
Libyan Arab Jamahiriya	LY			
Liechtenstein	LI		Yes	
Lithuania	LT		Yes	
Luxembourg	LU		Yes	
Macao	MO	Yes	Yes	
Macedonia, The Former Yugoslav Republic of	MK			
Madagascar	MG			
Malawi	MW			
Malaysia	MY	Yes	Yes	Yes
Maldives	MV			
Mali	ML			
Malta	MT		Yes	
Marshall Islands	MH			
Martinique	MQ		Yes	
Mauritania	MR			
Mauritius	MU			
Mayotte	YT			
Mexico	MX	Yes	Yes	Yes
Micronesia, Federated States of	FM			

Country	Code	Forward Origin	Return Origin	OnCall Air Pickup
Moldova, Republic of	MD			
Monaco	MC		Yes	
Mongolia	MN			
Montenegro	ME		Yes	
Montserrat	MS		Yes	
Morocco	MA			
Mozambique	MZ			
Myanmar	MM			
Namibia	NA			
Nauru	NR			
Nepal	NP			
Netherlands	NL	Yes	Yes	Yes
Netherlands Antilles	AN			
New Caledonia	NC			
New Zealand	NZ	Yes	Yes	
Nicaragua	NI		Yes	
Niger	NE			
Nigeria	NG			
Niue	NU			
Norfolk Island	NF			
Northern Mariana Islands	MP			
Norway	NO	Yes	Yes	
Oman	OM			
Pakistan	PK			
Palau	PW		Yes	
Palestinian Territory, Occupied	PS			
Panama	PA	Yes	Yes	
Papua New Guinea	PG			
Paraguay	PY		Yes	
Peru	PE		Yes	
Philippines	PH	Yes	Yes	
Pitcairn	PN			
Poland	PL	Yes	Yes	
Portugal	PT	Yes	Yes	Yes
Puerto Rico	PR	Yes	Yes	Yes
Qatar	QA			
Réunion	RE			
Romania	RO		Yes	
Russian Federation	RU		Yes	
Rwanda	RW			
Saint Helena	SH			
Saint Kitts and Nevis	KN		Yes	
Saint Lucia	LC		Yes	
Saint Pierre and Miquelon	PM			
Saint Vincent and The Grenadines	VC		Yes	
Samoa	WS			
San Marino	SM		Yes	
Sao Tome and Principe	ST			
Saudi Arabia	SA		Yes	
Senegal	SN			
Serbia	RS		Yes	
Seychelles	SC			
Sierra Leone	SL			

Country	Code	Forward Origin	Return Origin	OnCall Air Pickup
Singapore	SG	Yes	Yes	Yes
Slovakia	SK		Yes	
Slovenia	SI		Yes	
Solomon Islands	SB			
Somalia	SO			
South Africa	ZA		Yes	
South Georgia and The South Sandwich Islands	GS			
Spain	ES	Yes	Yes	Yes
Sri Lanka	LK		Yes	
Sudan	SD			
Suriname	SR		Yes	
Svalbard and Jan Mayen	SJ			
Swaziland	SZ			
Sweden	SE	Yes	Yes	Yes
Switzerland	CH	Yes	Yes	Yes
Syrian Arab Republic	SY			
Taiwan, Province of China	TW	Yes	Yes	Yes
Tajikistan	TJ			
Tanzania, United Republic of	TZ			
Thailand	TH	Yes	Yes	
Timor-Leste	TL			
Togo	TG			
Tokelau	TK			
Tonga	TO			
Trinidad and Tobago	TT			
Tunisia	TN		Yes	
Turkey	TR	Yes	Yes	
Turkmenistan	TM			
Turks and Caicos Islands	TC		Yes	
Tuvalu	TV			
Uganda	UG			
Ukraine	UA		Yes	
United Arab Emirates	AE			
United Kingdom	GB	Yes	Yes	Yes
United States	US	Yes	Yes	Yes
United States Minor Outlying Islands	UM			
Uruguay	UY		Yes	
Uzbekistan	UZ			
Vanuatu	VU			
Venezuela	VE		Yes	
Viet Nam	VN	Yes		
Virgin Islands, British	VG			
Virgin Islands, U.S.	VI		Yes	
Wallis and Futuna	WF			
Western Sahara	EH			
Yemen	YE			
Zambia	ZM			
Zimbabwe	ZW			

Appendix F: 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 web site](#). 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 OnLine Tools representative.

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

Country / Region	Currency	Code
Bouvet Island	Norwegian Krone	NOK
Brazil	Brazilian Real	BRL
British Indian Ocean Territory	US Dollar	USD
Brunei Darussalam	Brunei Dollar	BND
Bulgaria	Bulgarian Lev	BGN
Burkina Faso	CFA Franc BCEAO	XOF
Burundi	Burundi Franc	BIF
Cambodia	Riel	KHR
Cameroon	CFA Franc BEAC	XAF
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
	Unidades de formento	CLF
China	Yuan Renminbi	RMB
Christmas Island	Australian Dollar	AUD
Cocos (Keeling) Islands	Australian Dollar	AUD
Colombia	Colombian Peso	COP
	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 D'ivoire	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
	US Dollar	USD
Equatorial Guinea	CFA Franc BEAC	XAF
Eritrea	Nakfa	ERN
Estonia	Kroon	EEK

Country / Region	Currency	Code
Ethiopia	Ethiopian Birr	ETB
Falkland Islands (Malvinas)	Falkland Islands Pound	FKP
Faroe Islands	Danish Krone	DKK
Fiji	Fiji Dollar	FJD
Finland	Euro	EUR
France	Euro	EUR
French Guiana	Euro	EUR
French Polynesia	CFP Franc	XPF
French Southern Territories	Euro	EUR
Gabon	CFA Franc BEAC	XAF
Gambia	Dalasi	GMD
Georgia	Lari	GEL
Germany	Euro	EUR
Ghana	Cedi	GHC
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
	CFA Franc BCEAO	XOF
Guyana	Guyana Dollar	GYD
Haiti	Gourde	HTG
Haiti	US Dollar	USD
Heard Island and McDonald Islands	Australian Dollar	AUD
Holy See (Vatican City State)	Euro	EUR
Honduras	Lempira	HNL
Hong Kong	Hong Kong Dollar	HKD
Hungary	Forint	HUF
Iceland	Iceland Krona	ISK
India	Indian Rupee	INR
Indonesia	Rupiah	IDR
Iran (Islamic Republic of)	Iranian Rial	IRR
Iraq	Iraqi Dinar	IQD
Ireland	Euro	EUR
Israel	New Israeli Sheqel	ILS
Italy	Euro	EUR
Jamaica	Jamaican Dollar	JMD

Country / Region	Currency	Code
Japan	Yen	JPY
Jersey	Pound Sterling	GBP
Jordan	Jordanian Dinar	JOD
Kazakhstan	Tenge	KZT
Kenya	Kenyan Shilling	KES
Kiribati	Australian Dollar	AUD
Korea, Democratic People's Republic of	North Korean Won	KPW
Korea, Republic of	Won	KRW
Kuwait	Kuwaiti Dinar	KWD
Kyrgyzstan	Som	KGS
Lao People's Democratic Republic	Kip	LAK
Latvia	Latvian Lats	LVL
Lebanon	Lebanese Pound	LBP
Lesotho	Rand	ZAR
	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
	Mexican Peso	MXN
	Mexican Unidad de Inversion (UID)	MXV
Mexico		
Micronesia (Federated States of)	US Dollar	USD
Moldova, Republic of	Moldovan Leu	MDL
Monaco	Euro	EUR
Mongolia	Tugrik	MNT
Montenegro	Euro	EUR

Country / Region	Currency	Code
Montserrat	East Caribbean Dollar	XCD
Morocco	Moroccan Dirham	MAD
Mozambique	Metical	MZN
Myanmar	Kyat	MMK
Namibia	Rand	ZAR
	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
	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

Country / Region	Currency	Code
San Marino	Euro	EUR
São Tome and Principe	Dobra	STD
Saudi Arabia	Saudi Riyal	SAR
Senegal	CFA Franc BCEAO	XOF
Serbia	Serbian Dinar	RSD
Seychelles	Seychelles Rupee	SCR
Sierra Leone	Leone	SLL
Singapore	Singapore Dollar	SGD
Slovakia	Slovak Koruna	SKK
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
	WIR Franc	CHW
	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	Pa'anga	TOP
Trinidad And Tobago	Trinidad and Tobago Dollar	TTD
Tunisia	Tunisian Dinar	TND
Turkey	New Turkish Lira	TRL
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

Country / Region	Currency	Code
United States Minor Outlying Islands	US Dollar	USD
Uruguay	Peso Uruguayo	UYU
	Uruguay Peso en Unidades Indexadas	UYI
Uzbekistan	Uzbekistan Sum	UZS
Vanuatu	Vatu	VUV
Venezuela	Bolivar	VEB
Viet Nam	Dong	VND
Virgin Islands (British)	US Dollar	USD
Virgin Islands (US)	US Dollar	USD
Wallis And Futuna	CFP Franc	XPF
Western Sahara	Moroccan Dirham	MAD
Yemen	Yemeni Rial	YER
Zambia	Kwacha	ZMK
Zimbabwe	Zimbabwe Dollar	ZWD

Appendix G: 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 H: 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 criterion F 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 Annex 703.2. 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 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 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 Annex 308.1, 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)
F	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.

Criteria	Meaning
	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 not a quantitative restriction.

Appendix I: Countries that Accept Paperless Invoices

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.**

Albania
Angola
Argentina
Austria
Bahamas
Barbados
Belarus
Belgium
Bermuda
Bhutan
Bolivia
Bosnia
Brazil
Canada
China
Colombia
Costa Rica
Czech Republic
Denmark
Djibouti
Dominican Rep
Ecuador
El Salvador
Estonia
Finland
France
Gambia
Georgia
Germany
Great Britain
Greece
Guam
Guatemala
Guyana
Honduras
Hong Kong
Hungary
India
Ireland
Israel
Italy
Jamaica
Japan
Kazakhstan
Kirghizia
Latvia
Libya
Lithuania
Luxembourg
Macau
Malaysia
Malta

Marshall Islands	
Mauritania	
Mexico	
Nepal	
Netherland Antilles	
Netherlands	
New Zealand	
Nicaragua	
Norway	
Panama	
Paraguay	
Peru	
Philippines	
Poland	
Portugal	
Puerto Rico	
Reunion Is	
Saudi Arabia	
Serbia & Montenegro	
Singapore	
Slovenia	
South Korea	
Spain	
Sweden	
Taiwan	
Tanzania	
Thailand	
Timor Leste	
Trinidad & Tobago	
United Arab Emirates	
United States	
Uruguay	
Uzbekistan	

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