



United States Postal Service® Web Tool Kit User's Guide



A Technical Guide to

Global Express Mail Label

Application Programming Interface



Before implementing this API, the *Administrative Guide for Application Programming Interfaces* must be read.

Version 1.0 (10/1/03)

To Our Customers

In the e-mail that accompanied this guide you received a password and user ID that will allow you to begin sending calls to the production server. Any additional documentation or contact with you will be made through the contact person indicated on the registration form.

If you require technical support, contact the USPS Internet Customer Care Center (ICCC). This office is staffed from 7:00AM to 11:00PM EST.

E-mail: icustomer@usps.com

Telephone: 1-800-344-7779 (7:00AM to 11:00PM EST)

USPS Customer Commitment

The United States Postal Service fully understands the importance of providing information and service anytime day or night to your Internet and e-commerce customers. For that reason, the USPS is committed to providing 24 x 7 service from our API servers, 365 days a year.

Thank you for helping the U.S. Postal Service (USPS) provide new Internet services to our shipping customers.

USPS Web Tools Program Office
U.S. Postal Service
1735 N Lynn St, Room 2045
Arlington, VA, 22209-6029

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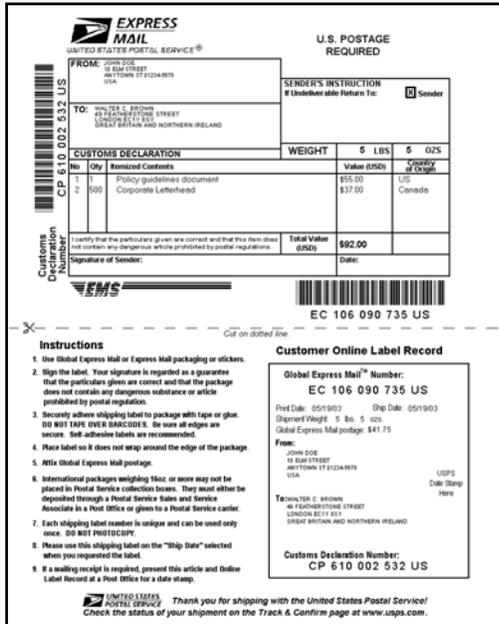
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Introduction to the Global Express Mail Label API



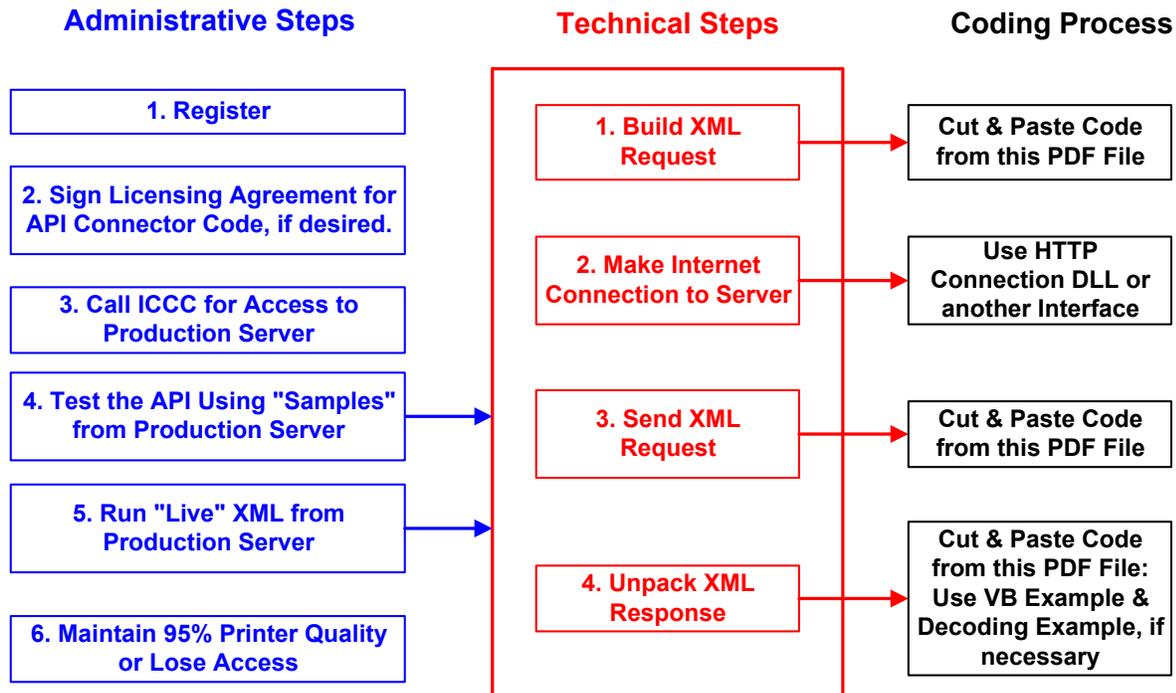
Global Express Mail is a reliable high-speed mail service available to certain countries. There is no service guarantee for Global Express Mail. Global Express Mail is available at designated postal facilities authorized to accept domestic Express Mail.

Administrative Steps

As shown in the illustration below, implementing APIs requires a series of *Administrative Steps*. The *Administrative Guide for APIs*, also available at www.uspswebtools.com, provides necessary information and procedures prior to installation. The illustration also shows the *Technical Steps* required to run XML transactions for the API to either the test server or the production server, as well as the *Coding Process* to be followed for each *Technical Step*. This

document provides step-by-step instructions for both the Technical Steps and Coding Process illustrated below.

Implementing these APIs requires experienced programmers who are familiar with Internet and web site development tools and techniques. Before implementing this API, the *Administrative Guide for Application Programming Interfaces* must be read.



Label Options

In addition to the Global Express Mail shipping label, the API provides a printed Customer Online Label Record. There are two options in how the shipping label and Customer Online Label Record are returned: either together on the same page or separated and printed on two pages. Users also have the option of using the shipping information returned and generating their own Global Express Mail labels. See the *Creating Your Own Labels* section.

EXPRESS MAIL
UNITED STATES POSTAL SERVICE®

U.S. POSTAGE REQUIRED

FROM: JOHN DOE
10 BAY STREET
JAYTOWN VT 02448-9678
USA

TO: JOHN W. C. BROWN
46 EMBERTON STREET
LONDON EC1T 8ET
GREAT BRITAIN AND NORTHERN IRELAND

SENDER'S INSTRUCTION
If Undeliverable Return To: Sender

CUSTOMS DECLARATION

No.	Qty	Itemized Contents	Value (USD)	Country of Origin
1		Policy guidelines document	\$55.00	USA
2	500	Corporate Letterhead	\$37.00	Canada
Total Value (USD)			\$92.00	

WEIGHT 5 LBS 6 OZS

Signature of Sender: _____

Date: _____

Customer Declaration Number: CP 610 002 532 US

Global Express Mail® Number: EC 106 090 735 US

Instructions

- Use Global Express Mail or Express Mail packaging or stickers.
- Sign the label. Your signature is regarded as a guarantee that the particulars given are correct and that the package does not contain any dangerous substance or article prohibited by postal regulations.
- Securely adhere shipping label to package with tape or glue. DO NOT TAPE OVER BARCODES. Be sure all edges are secure. Self-adhesive labels are recommended.
- Place label so it does not wrap around the edge of the package.
- Affix Global Express Mail postage.
- International packages weighing 11oz or more may not be placed in Postal Service collection boxes. They must either be deposited through a Postal Service Sales and Service Associate in a Post Office or given to a Postal Service carrier.
- Each shipping label number is unique and can be used only once. DO NOT PHOTOCOPY.
- Please use this shipping label on the "Ship Date" selected when you requested the label.
- If a mailing receipt is required, present this article and Online Label Record at a Post Office for a date stamp.

Customer Online Label Record

Global Express Mail® Number:
EC 106 090 735 US

Print Date: 05/19/03 **Ship Date:** 05/19/03
Shipment Weight: 5 lbs. 6 ozs.
Global Express Mail postage: \$41.75

From:
JOHN DOE
10 BAY STREET
JAYTOWN VT 02448-9678
USA

To:
JOHN W. C. BROWN
46 EMBERTON STREET
LONDON EC1T 8ET
GREAT BRITAIN AND NORTHERN IRELAND

USPS
Date Stamp
Here

Customs Declaration Number:
CP 610 002 532 US

UNITED STATES POSTAL SERVICE® Thank you for shipping with the United States Postal Service!
Check the status of your shipment on the Track & Confirm page at www.usps.com.

For illustration purposes, there are two examples on this page. The example at left shows the Global Express Mail label and Customer Online Label Record returned on the same page.

(The images on this page are not to scale.)

In the example below, the Global Express Mail label and Customer Online Label Record are printed in the same position, but on two separate pages.

EXPRESS MAIL
UNITED STATES POSTAL SERVICE®

U.S. POSTAGE REQUIRED

FROM: JOHN DOE
10 BAY STREET
JAYTOWN VT 02448-9678
USA

TO: JOHN W. C. BROWN
46 EMBERTON STREET
LONDON EC1T 8ET
GREAT BRITAIN AND NORTHERN IRELAND

SENDER'S INSTRUCTION
If Undeliverable Return To: Sender

CUSTOMS DECLARATION

No.	Qty	Itemized Contents	Value (USD)	Country of Origin
1		Policy guidelines document	\$55.00	USA
2	500	Corporate Letterhead	\$37.00	Canada
Total Value (USD)			\$92.00	

WEIGHT 5 LBS 6 OZS

Signature of Sender: _____

Date: _____

Customer Declaration Number: CP 610 002 546 US

Global Express Mail® Number: EC 106 090 744 US

Instructions

- Use Global Express Mail or Express Mail packaging or stickers.
- Sign the label. Your signature is regarded as a guarantee that the particulars given are correct and that the package does not contain any dangerous substance or article prohibited by postal regulations.
- Securely adhere shipping label to package with tape or glue. DO NOT TAPE OVER BARCODES. Be sure all edges are secure. Self-adhesive labels are recommended.
- Place label so it does not wrap around the edge of the package.
- Affix Global Express Mail postage.
- International packages weighing 11oz or more may not be placed in Postal Service collection boxes. They must either be deposited through a Postal Service Sales and Service Associate in a Post Office or given to a Postal Service carrier.
- Each shipping label number is unique and can be used only once. DO NOT PHOTOCOPY.
- Please use this shipping label on the "Ship Date" selected when you requested the label.
- If a mailing receipt is required, present this article and Online Label Record at a Post Office for a date stamp.

Customer Online Label Record

Global Express Mail® Number:
EC 106 090 744 US

Print Date: 05/19/03 **Ship Date:** 05/19/03
Shipment Weight: 5 lbs. 6 ozs.
Global Express Mail postage: \$41.75

From:
JOHN DOE
10 BAY STREET
JAYTOWN VT 02448-9678
USA

To:
JOHN W. C. BROWN
46 EMBERTON STREET
LONDON EC1T 8ET
GREAT BRITAIN AND NORTHERN IRELAND

USPS
Date Stamp
Here

Customs Declaration Number:
CP 610 002 546 US

UNITED STATES POSTAL SERVICE® Thank you for shipping with the United States Postal Service!
Check the status of your shipment on the Track & Confirm page at www.usps.com.

All Global Express Mail labels returned by the USPS server contain a Global Express Mail barcode and corresponding tracking number. The tracking number is used to uniquely identify each piece of Global Express Mail and record acceptance and delivery information. This information is used to measure service performance and identify service failures in response to refund requests.

User ID and Password Restrictions

The user ID and password that you have received are for you or your company to use in accordance with the Terms and Conditions of Use to which you agreed during the registration process. *This user ID and password are not to be shared with others outside your organization, nor are they to be packaged, distributed, or sold to any other person or entity.* Please refer to the Terms and Conditions of Use Agreement for additional restrictions on the use of your user ID and password, as well as this document and the APIs contained herein.

Warning: If the U.S. Postal Service discovers use of the same user ID and password from more than one web site, all users will be subject to immediate loss of access to the USPS server and termination of the licenses granted under the Terms and Conditions of Use.

The documentation and sample code contained in the *Web Tool Kit User's Guide* series may be reused and/or distributed to your customers or affiliates to generate awareness, encourage web tool use, or provide ease-of-use. However, it is your responsibility to ensure that your customers do not use your password and user ID. Direct them to www.uspswebtools.com so that they can register, agree to the Terms and Conditions of Use agreement, and receive their own unique password and user ID.

Note to Software Distributors: The User ID and password restrictions discussed above are intended for e-tailers that use the USPS Web Tools exclusively within their own web sites. If you plan to distribute software with the USPS Web Tools embedded, you must refer to the *Software Distributors Policy Guide*, available at www.uspswebtools.com.

For more information regarding the USPS Web Tool Kit password and user ID policy, or for questions regarding the distribution of documentation, send e-mail to icustomer@usps.com.

Size and Weight Restrictions

The user has two choices for shipping containers:

1. Global Express Mail or Express Mail packaging can be used (and are available from the U.S. Postal Service at no charge).

- The other choice is to use your own envelope or box with the appropriate Global Express Mail markings. If using your own container, the maximum length is 36 inches and the maximum length and girth combined is 79 inches. If necessary, use the graphic below to determine the combined length and girth in inches:

How to Measure Length and Girth

For parcels, length is the measurement of the longest dimension and girth is the measurement around the thickest part (perpendicular to the length).

Length = 10"

Girth (8 + 5 + 8 + 5) = 26"

Length + Girth = 36"

Length = 20"

Girth (6 + 6 + 6) = 18"

Length + Girth = 38"

Measurement	Maximum
Length + Girth	108 inches ¹
Weight	70 pounds

¹ Except for Parcel Post, no mailpiece may measure more than 108 inches in length and girth combined. Parcel Post pieces measuring over 108 inches but not more than 130 inches in combined length and girth are available at the applicable oversized rate.

Note that these are absolute maximums and that country-specific dimension limits vary. The maximum weight is 70 pounds. Note that this is an absolute maximum and that country-specific weight limits range from 22 pounds to 70 pounds. See the individual country listings in the International Mail Manual (IMM), along with other information and mailing tips, at <http://www.usps.com/global/intlresourcecenter.htm>.

Transaction Procedures

The illustration below shows the transactional flow of information to and from the USPS Global Express Mail Label API server.

Global Express Mail Label API Server

INPUTS

(via XML Request from Customer to USPS)

Delivery Address Info
Return Address Info
Package Weight
Mailing Location ZIP Code
Label Image Type
Ship Date
Receipt on Separate Page
Sender Instructions
Customs Declaration Info

SERVER TASKS



Builds XML Response
Generates Label
Encodes Label

OUTPUTS

(via XML Response from USPS to Customer)

Global Express Mail Label with Customs Info
Receipt
Tracking Number
Customs Number
Postage Required
Restrictions & Prohibitions
Total Value

Technical Steps

Step 1: Build the XML Request

XML Tags and Values Allowed

The table below presents both the *required* and *optional* XML input tags for generating both “Sample” and “Live” requests and the restrictions on the values allowed. An error message will be returned if an incorrect value is entered. Also, be aware of the maximum character amounts allowed for some tags. If the user enters more than those amounts, an error will not be generated. **The API will simply pass in the characters up to the maximum amount allowed and disregard the rest.** This is important since the resulting value could prevent delivery.

Global Express Mail Shipping Label Tags

Input	XML Tag	Values Allowed
"Sample" Request	<GlobalExpressMailLabelCertifyRequest ...	Input tag exactly as presented.
"Live" Request	<GlobalExpressMailLabelRequest ...	Input tag exactly as presented.
User ID	...USERID="userid"...	Use user ID provided with registration.
Password	...PASSWORD="password">	Use password provided with registration.
Option	<Option>	This tag is required, but is for future use. For now, do not enter any value.
EMCA Account	<EMCAAccount>	This tag is required, but is for future use. For now, do not enter any value.
EMCA Password	<EMCAPassword>	This tag is required, but is for future use. For now, do not enter any value.

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Image Parameters	<ImageParameters>	This tag is required, but is for future use. For now, do not enter any value.
Sender's First Name	<FromFirstName>	Values for either First and Last Name or Firm must be sent. Maximum Length: 45 characters for both names or firm name.
Sender's Last Name	<FromLastName>	Values for either First and Last Name or Firm must be sent. Maximum Length: 45 characters for both names or firm name.
Sender's Company Name	<FromFirm>	Values for either First and Last Name or Firm must be sent. Maximum Length: 45 characters for both names or firm name.
Sender's Address Line 1	<FromAddress1>	This value is optional. Use this tag for a suite or apartment number only. If none, leave blank. Maximum Length: 45
Sender's Address Line 2	<FromAddress2>	Required data. Use this tag for the primary address line. Maximum Length: 45
Sender's Urbanization Code	<FromUrbanization>	This tag is optional. Use this tag for Puerto Rico only , ZIP Code prefixes 006 to 009, if area is so designated.
Sender's City	<FromCity>	Required data. Maximum Length: 24
Sender's State	<FromState>	Required data. Use 2-letter USPS abbreviation
Sender's ZIP Code	<FromZip5>	Required data. Input tag exactly as presented, not all caps. Maximum Length: 5
Sender's ZIP Code+4	<FromZip4>	Input tag exactly as presented, not all caps. This tag is required but the value is optional. Maximum Length: 4
Sender's Phone #	<FromPhone>	Required data. 10 digits required (including area code), with no punctuation. Use format: 2125551234
Recipient's Full Name	<ToName>	Required data. Either ToName or ToFirm must be sent, but both are acceptable. Maximum Length: 45
Recipient's Company	<ToFirm>	Either ToName or ToFirm must be sent, but both are acceptable. Maximum Length: 45
Recipient's Address Line 1	<ToAddress1>	Three address lines are provided, but only 1 is required. Use as many as needed for complete address. Maximum Length: 45
Recipient's Address Line 2	<ToAddress2>	Three address lines are provided, but only 1 is required. Use as many as needed for complete address. Maximum Length: 45
Recipient's Address Line 3	<ToAddress3>	Three address lines are provided, but only 1 is required. Use as many as needed for complete address. Maximum Length: 45
Recipient's City	<ToCity>	Required data. The combined maximum length of ToCity, ToProvince and ToPostalCode is 45.
Recipient's Province	<ToProvince>	Value is optional. Enter the destination's province or other principal subdivision. The combined maximum length of ToCity, ToProvince and ToPostalCode is 45.

Recipient's Country	<ToCountry>	Required data. Maximum Length: 45.
Recipient's Postal Code	<ToPostalCode>	Value is optional. Enter the destination's foreign postal code (numeric or alpha). Packages destined for Canada must be prepared using the Canadian postal codes that are specified in Exhibit 294.43a (standard entry) or Exhibit 294.43b (drop shipment at NJI&BMC), from the <i>USPS International Mail Manual</i> . The combined maximum length of ToCity, ToProvince and ToPostalCode is 45.
Recipient's Phone #	<ToPhone>	Value is optional. No format checking is done on international Phone numbers.
Recipient's Fax #	<ToFax>	Value is optional. No format checking is done on international Fax numbers.
Recipient's E-mail	<ToEmail>	Value is optional. Complete valid e-mail address is required if tag is used.
Request Alternate Delivery	<NonDeliveryOption>	Required data. In case package is undeliverable, enter "RETURN" for package to be returned to <FromAddress> above, or "REDIRECT" to deliver package to alternate address specified below in <AltReturn... tags.
Alternate Recipient's Full Name	<AltReturnAddress1>	Values for all <AltReturn... tags must reflect a valid U.S. address only. The REDIRECT option does not currently apply to foreign addresses. Six address lines are provided. Use as many as needed for complete address. Maximum Length: 36
Alternate Recipient's Company	<AltReturnAddress2>	Values for all <AltReturn... tags must reflect a valid U.S. address only. Maximum Length: 36
Alternate Recipient's Address	<AltReturnAddress3>	Values for all <AltReturn... tags must reflect a valid U.S. address only. Maximum Length: 36
Alternate Recipient's Address	<AltReturnAddress4>	Values for all <AltReturn... tags must reflect a valid U.S. address only. Maximum Length: 36
Alternate Recipient's Address	<AltReturnAddress5>	Values for all <AltReturn... tags must reflect a valid U.S. address only. Maximum Length: 36
Alternate Recipient's Address	<AltReturnAddress6>	Values for all <AltReturn... tags must reflect a valid U.S. address only. Maximum Length: 36
Alternate Recipient's Country	<AltReturnCountry>	Required data. The REDIRECT option does not currently apply to foreign addresses. The value: "USA" must be supplied.
Description of Contents (no data)	<ShippingContents>	Required tag. Must contain a minimum of one and a maximum of 5 ItemDetail (see tag below). See the "Sample" and "Live" Request sections below to understand how these tags are presented in the request.
Details of Item Shipped (no data)	<ItemDetail>	Required tag. Must contain exactly one each of Description, Quantity, Value and OriginCountry (see tags below). See the "Sample" and "Live" Request sections below to understand how these tags are presented.

Description of Contents	<Description>	Required data. Description of the Item. Maximum Length: 35
Quantity of Items	<Quantity>	Required data. Quantity of the item. The number entered for quantity must be 1 to 999.
Value of Item	<Value>	Required data. The data entered with this tag provides the value of the set of items. If the item is 2 boxes of 50 pens and the value of each box is \$10.00, "20.00" (2 boxes x \$10.00) should be entered. If the value of each pen is .25 then "25.00" (100 pens x .25) should be entered.
Country of Origin for Item	<OriginCountry>	Required data. Country of origin for item. Maximum Length: 10 characters
Package Weight	<Pounds>	Required data. The API will check for maximum shipping weight allowed for the destination country. Pounds and ounces together represent the total package weight, including packing material. Enter the pounds with this tag. For example, a package weighing 3 lbs 8 ounces would have "3" entered here and "8" entered with the next tag.
Package Weight	<Ounces>	Required data. Enter the ounces with this tag.
Label & Receipt Printed on 2 Pages	<SeparateReceiptPage>	Optional tag. Enter "True" if you want the shipping label and online customer record returned in 2 separate images or "False" if you want them returned in the same single image. False is assumed if no value is entered. This option is further explained in the <i>Label Options</i> section.
Date Package Will Be Mailed	<LabelDate>	Optional tag. Ship date may be today plus 0 to 3 days in advance. Enter the date in either format: dd-mmm-yyyy, such as 14-Feb-2001, or mm/dd/yyyy, such as 02/14/2001.
Label Image Type	<ImageType>	Required data. Enter one of the valid entries: "PDF," "TIF" or "GIF" if label is desired. "None" if label is not desired.
User-assigned Number for Internal Use	<CustomerRefNo>	Optional tag. If you need to cross-reference information about a shipment using your own tracking or inventory systems, use this tag. Maximum Length: 30
Mailing Location	<POZipCode>	Optional tag. ZIP Code of the Post Office or collection box where item is mailed. May be different than <FromZipCode>. Maximum Length: 5

"Sample" and "Live" Requests

"Sample" requests **must** be used for all testing purposes. Using "Live" requests enters the package in the U.S. Postal Service product tracking system database. Refer to the *XML Tags and Values Allowed* section, above, to build your request. Refer to the *XML Tags and Values Allowed* section, above, to build your request. When building the XML request, pay particular

attention to the *order and case* for tags. An error message will be returned if an incorrect value is entered. Also, be aware of the maximum character amounts allowed for some tags. If the user enters more than those amounts, an error will not be generated. **The API will simply pass in the characters up to the maximum amount allowed and disregard the rest.** This is important since the resulting value could prevent delivery.

All of the test script code contained in this document can be cut and pasted for your use in testing the software. To copy the test script code from this PDF file, click on the icon for "Text Selector" and highlight the code. (The icon will look like



or



depending on your version of Adobe Acrobat.) You can then copy the code and paste it into your test document. Remember, however, that all data and attribute values in this document are for illustration purposes and are to be replaced by your actual values. For instance, a line of sample code may be:

```
<FromName>Joe Smith</FromName>
```

In this instance, you will replace "Joe Smith" with the name of the person sending the package when making your request. **Also remember that you are provided with a different server name to send "live" requests.**

The XML request should be in the following form and sequence (optional tags are in **bold**):

Developers: The sample code below is for a "live" request. For a "sample" request for testing purposes, refer to the *XML Tags and Values Allowed* section for the different **first** line of code required for a "sample" request.

For sample code utilizing Perl and ASP, refer to the Domestic Rates Calculator API and Track/Confirm API user's guides.

```
<GlobalExpressMailLabelRequest USERID="MyID" PASSWORD="MyPassword">
  <Option></Option>
  <EMCAAccount></EMCAAccount>
  <EMCAPassword></EMCAPassword>
  <ImageParameters></ImageParameters>
  <FromFirstName>John</FromFirstName>
  <FromLastName>Smith</FromLastName>
  <FromFirm>XYZ Corporation</FromFirm>
  <FromAddress1>Suite A</FromAddress1>
  <FromAddress2>1234 Etailer Dr.</FromAddress2>
  <FromUrbanization></FromUrbanization>
  <FromCity>Los Angeles</FromCity>
  <FromState>CA</FromState>
  <FromZip5>90052</FromZip5>
  <FromZip4>1234</FromZip4>
  <FromPhone>1234567890</FromPhone>
  <ToName>Jean-Pierre Raffarin</ToName>
  <ToFirm>Disneyland Paris</ToFirm>
  <ToAddress1>Service Recrutement G A</ToAddress1>
  <ToAddress2>Bat. Merlin</ToAddress2>
  <ToAddress3>77777 Marne la vallée</ToAddress3>
  <ToCity>Paris</ToCity>
  <ToProvince>Cedex 4</ToProvince>
```

```

<ToCountry>France</ToCountry>
<ToPostalCode></ToPostalCode>
<ToPhone>1807332021</ToPhone>
<ToFax>1807332027</ToFax>
<ToEmail>JPR@DLEURO.COM</ToEmail>
<NonDeliveryOption>Redirect</NonDeliveryOption>
<AltReturnAddress1>Jane Doe</AltReturnAddress1>
<AltReturnAddress2>XYZ Corporation</AltReturnAddress2>
<AltReturnAddress3>Returns Department</AltReturnAddress3>
<AltReturnAddress4>1234 Corporate Way</AltReturnAddress4>
<AltReturnAddress5></AltReturnAddress5>
<AltReturnAddress6>Los Angeles, CA 90052-5678</AltReturnAddress6>
<AltReturnCountry>USA</AltReturnCountry>
<ShippingContents>
  <ItemDetail>
    <Description>Stockholders Report Q1</Description>
    <Quantity>1</Quantity>
    <Value>15.00</Value>
    <OriginCountry>USA</OriginCountry>
  </ItemDetail>
  <ItemDetail>
    <Description>Annual Report 2002</Description>
    <Quantity>1</Quantity>
    <Value>35.00</Value>
    <OriginCountry>USA</OriginCountry>
  </ItemDetail>
  <ItemDetail>
    <Description>Corporate Letterhead</Description>
    <Quantity>100</Quantity>
    <Value>17.20</Value>
    <OriginCountry>Canada</OriginCountry>
  </ItemDetail>
</ShippingContents>
<Pounds>1</Pounds>
<Ounces>2</Ounces>
<SeparateReceiptPage>False</SeparateReceiptPage>
<LabelDate>8/30/02</LabelDate>
<ImageType>NONE</ImageType>
<CustomerRefNo>A773021</CustomerRefNo>
<POZipCode></POZipCode>
</GlobalExpressMailLabelRequest>

```

Visual Basic Request

Using the Microsoft XML object model in Visual Basic, such a request can be built as shown below. In this code sample, the data needed to build the XML is obtained from a form. The True/False type elements are obtained from a check box control and the ImageType is from a combo box control. All other fields are obtained from text box controls.

```

Dim RequestLevel As IXMLDOMElement
Dim DCElementLevel As IXMLDOMElement
Dim inetGet As New clsInetGet
Dim response As String
Dim t As Variant
Dim xmlDoc As New DOMDocument

```

```
'  
' Create the XML Document and put the fields in the form  
'  
  
Set RequestLevel = xmlDoc.createElement("GlobalExpressMailLabelRequest")  
  
RequestLevel.setAttribute "USERID", userid.Text  
RequestLevel.setAttribute "PASSWORD", password.Text  
  
'Load Global Express Mail values into request.  
  
Set DCElementLevel = xmlDoc.createElement("Option")  
Set t = xmlDoc.createTextNode(txtOption.Text)  
DCElementLevel.appendChild (t)  
Call RequestLevel.appendChild(DCElementLevel)  
  
Set DCElementLevel = xmlDoc.createElement("EMCAAccount")  
Set t = xmlDoc.createTextNode(EMCAAccount.Text)  
DCElementLevel.appendChild (t)  
Call RequestLevel.appendChild(DCElementLevel)  
  
Set DCElementLevel = xmlDoc.createElement("EMCAPassword")  
Set t = xmlDoc.createTextNode(EMCAPassword.Text)  
DCElementLevel.appendChild (t)  
Call RequestLevel.appendChild(DCElementLevel)  
  
Set DCElementLevel = xmlDoc.createElement("ImageParameters")  
Set t = xmlDoc.createTextNode(ImageParameters.Text)  
DCElementLevel.appendChild (t)  
Call RequestLevel.appendChild(DCElementLevel)  
  
Set DCElementLevel = xmlDoc.createElement("FromFirstName")  
Set t = xmlDoc.createTextNode(FromFirstName.Text)  
DCElementLevel.appendChild (t)  
Call RequestLevel.appendChild(DCElementLevel)  
  
Set DCElementLevel = xmlDoc.createElement("FromLastName")  
Set t = xmlDoc.createTextNode(FromLastName.Text)  
DCElementLevel.appendChild (t)  
Call RequestLevel.appendChild(DCElementLevel)  
  
Set DCElementLevel = xmlDoc.createElement("FromFirm")  
Set t = xmlDoc.createTextNode(FromFirm.Text)  
DCElementLevel.appendChild (t)  
Call RequestLevel.appendChild(DCElementLevel)  
  
Set DCElementLevel = xmlDoc.createElement("FromAddress1")  
Set t = xmlDoc.createTextNode(FromAddress1.Text)  
DCElementLevel.appendChild (t)  
Call RequestLevel.appendChild(DCElementLevel)  
  
Set DCElementLevel = xmlDoc.createElement("FromAddress2")  
Set t = xmlDoc.createTextNode(FromAddress2.Text)  
DCElementLevel.appendChild (t)  
Call RequestLevel.appendChild(DCElementLevel)  
  
Set DCElementLevel = xmlDoc.createElement("FromUrbanization")
```

```
Set t = xmlDoc.createTextNode(FromUrbanization.Text)
DCElementLevel.appendChild (t)
Call RequestLevel.appendChild(DCElementLevel)

Set DCElementLevel = xmlDoc.createElement("FromCity")
Set t = xmlDoc.createTextNode(FromCity.Text)
DCElementLevel.appendChild (t)
Call RequestLevel.appendChild(DCElementLevel)

Set DCElementLevel = xmlDoc.createElement("FromState")
Set t = xmlDoc.createTextNode(FromState.Text)
DCElementLevel.appendChild (t)
Call RequestLevel.appendChild(DCElementLevel)

Set DCElementLevel = xmlDoc.createElement("FromZip5")
Set t = xmlDoc.createTextNode(FromZip5.Text)
DCElementLevel.appendChild (t)
Call RequestLevel.appendChild(DCElementLevel)

Set DCElementLevel = xmlDoc.createElement("FromZip4")
Set t = xmlDoc.createTextNode(FromZip4.Text)
DCElementLevel.appendChild (t)
Call RequestLevel.appendChild(DCElementLevel)

Set DCElementLevel = xmlDoc.createElement("FromPhone")
Set t = xmlDoc.createTextNode(FromPhone.Text)
DCElementLevel.appendChild (t)
Call RequestLevel.appendChild(DCElementLevel)

Set DCElementLevel = xmlDoc.createElement("ToName")
Set t = xmlDoc.createTextNode(ToName.Text)
DCElementLevel.appendChild (t)
Call RequestLevel.appendChild(DCElementLevel)

Set DCElementLevel = xmlDoc.createElement("ToFirm")
Set t = xmlDoc.createTextNode(ToFirm.Text)
DCElementLevel.appendChild (t)
Call RequestLevel.appendChild(DCElementLevel)

Set DCElementLevel = xmlDoc.createElement("ToAddress1")
Set t = xmlDoc.createTextNode(ToAddress1.Text)
DCElementLevel.appendChild (t)
Call RequestLevel.appendChild(DCElementLevel)

Set DCElementLevel = xmlDoc.createElement("ToAddress2")
Set t = xmlDoc.createTextNode(ToAddress2.Text)
DCElementLevel.appendChild (t)
Call RequestLevel.appendChild(DCElementLevel)

Set DCElementLevel = xmlDoc.createElement("ToAddress3")
Set t = xmlDoc.createTextNode(ToAddress2.Text)
DCElementLevel.appendChild (t)
Call RequestLevel.appendChild(DCElementLevel)

Set DCElementLevel = xmlDoc.createElement("ToCity")
Set t = xmlDoc.createTextNode(ToCity.Text)
DCElementLevel.appendChild (t)
```

```
Call RequestLevel.appendChild(DCElementLevel)
```

```
Set DCElementLevel = xmlDoc.createElement("ToProvince")
Set t = xmlDoc.createTextNode(ToProvince.Text)
DCElementLevel.appendChild (t)
Call RequestLevel.appendChild(DCElementLevel)
```

```
Set DCElementLevel = xmlDoc.createElement("ToCountry")
Set t = xmlDoc.createTextNode(ToCountry.Text)
DCElementLevel.appendChild (t)
Call RequestLevel.appendChild(DCElementLevel)
```

```
Set DCElementLevel = xmlDoc.createElement("ToPostalCode")
Set t = xmlDoc.createTextNode(ToPostalCode.Text)
DCElementLevel.appendChild (t)
Call RequestLevel.appendChild(DCElementLevel)
```

```
Set DCElementLevel = xmlDoc.createElement("ToPhone")
Set t = xmlDoc.createTextNode(ToPhone.Text)
DCElementLevel.appendChild (t)
Call RequestLevel.appendChild(DCElementLevel)
```

```
Set DCElementLevel = xmlDoc.createElement("ToFax")
Set t = xmlDoc.createTextNode(ToFax.Text)
DCElementLevel.appendChild (t)
Call RequestLevel.appendChild(DCElementLevel)
```

```
Set DCElementLevel = xmlDoc.createElement("ToEmail")
Set t = xmlDoc.createTextNode(ToEmail.Text)
DCElementLevel.appendChild (t)
Call RequestLevel.appendChild(DCElementLevel)
```

```
' The "NonDeliveryOption" tag and the value are required, plus if the tag
' states that you want the return redirected to a different domestic
' return address you must fill in the alternate address.
' The value can be either "REDIRECT" or "RETURN".
' if the value is "REDIRECT" data is required in the alternate address
fields.
```

```
'
```

```
' The Alternate address tags are always required but if the value of
' NonDeliveryOption is "REDIRECT" values are required in the fields.
```

```
Set DCElementLevel = xmlDoc.createElement("NonDeliveryOption")
Set t = xmlDoc.createTextNode(UCase(ReturnToSender.Text))
DCElementLevel.appendChild (t)
Call RequestLevel.appendChild(DCElementLevel)
```

```
Set DCElementLevel = xmlDoc.createElement("AltReturnAddress1")
Set t = xmlDoc.createTextNode(AltReturnAddress1.Text)
DCElementLevel.appendChild (t)
Call RequestLevel.appendChild(DCElementLevel)
```

```
Set DCElementLevel = xmlDoc.createElement("AltReturnAddress2")
Set t = xmlDoc.createTextNode(AltReturnAddress2.Text)
DCElementLevel.appendChild (t)
Call RequestLevel.appendChild(DCElementLevel)
```

```
Set DCElementLevel = xmlDoc.createElement("AltReturnAddress3")
Set t = xmlDoc.createTextNode(AltReturnAddress3.Text)
DCElementLevel.appendChild (t)
Call RequestLevel.appendChild(DCElementLevel)

Set DCElementLevel = xmlDoc.createElement("AltReturnAddress4")
Set t = xmlDoc.createTextNode(AltReturnAddress4.Text)
DCElementLevel.appendChild (t)
Call RequestLevel.appendChild(DCElementLevel)

Set DCElementLevel = xmlDoc.createElement("AltReturnAddress5")
Set t = xmlDoc.createTextNode(AltReturnAddress5.Text)
DCElementLevel.appendChild (t)
Call RequestLevel.appendChild(DCElementLevel)

Set DCElementLevel = xmlDoc.createElement("AltReturnAddress6")
Set t = xmlDoc.createTextNode(AltReturnAddress6.Text)
DCElementLevel.appendChild (t)
Call RequestLevel.appendChild(DCElementLevel)

Set DCElementLevel = xmlDoc.createElement("AltReturnCountry")
Set t = xmlDoc.createTextNode(AltReturnCountry.Text)
DCElementLevel.appendChild (t)
Call RequestLevel.appendChild(DCElementLevel)

' Load the customs contents... For this example only one
' item is loaded from the form
'
Set ContentsLevel = xmlDoc.createElement("ShippingContents")

Set ItemDetailLevel = xmlDoc.createElement("ItemDetail")

Set ItemDetailElementLevel = xmlDoc.createElement("Description")
Set t = xmlDoc.createTextNode(Description.Text)
ItemDetailElementLevel.appendChild (t)
Call ItemDetailLevel.appendChild(ItemDetailElementLevel)

Set ItemDetailElementLevel = xmlDoc.createElement("Quantity")
Set t = xmlDoc.createTextNode(Quantity.Text)
ItemDetailElementLevel.appendChild (t)
Call ItemDetailLevel.appendChild(ItemDetailElementLevel)

Set ItemDetailElementLevel = xmlDoc.createElement("Value")
Set t = xmlDoc.createTextNode(Value.Text)
ItemDetailElementLevel.appendChild (t)
Call ItemDetailLevel.appendChild(ItemDetailElementLevel)

Set ItemDetailElementLevel = xmlDoc.createElement("OriginCountry")
Set t = xmlDoc.createTextNode(OriginCountry.Text)
ItemDetailElementLevel.appendChild (t)
Call ItemDetailLevel.appendChild(ItemDetailElementLevel)

Call ContentsLevel.appendChild(ItemDetailLevel)

Call RequestLevel.appendChild(ContentsLevel)
'
'Now that the customs contents are loaded load the rest
```

```
'
Set DCElementLevel = xmlDoc.createElement("Pounds")
Set t = xmlDoc.createTextNode(Pounds.Text)
DCElementLevel.appendChild (t)
Call RequestLevel.appendChild(DCElementLevel)

Set DCElementLevel = xmlDoc.createElement("Ounces")
Set t = xmlDoc.createTextNode(Ounces.Text)
DCElementLevel.appendChild (t)
Call RequestLevel.appendChild(DCElementLevel)

Set DCElementLevel = xmlDoc.createElement("SeparateReceiptPage")
Set t = xmlDoc.createTextNode(SeparateReceiptPage.Text)
DCElementLevel.appendChild (t)
Call RequestLevel.appendChild(DCElementLevel)

' LabelDate is not a required tag

If LabelDate.Text <> "" Then
    Set DCElementLevel = xmlDoc.createElement("LabelDate")
    Set t = xmlDoc.createTextNode(LabelDate.Text)
    DCElementLevel.appendChild (t)
    Call RequestLevel.appendChild(DCElementLevel)
End If

Set DCElementLevel = xmlDoc.createElement("ImageType")
Set t = xmlDoc.createTextNode(ImageType.Text)
DCElementLevel.appendChild (t)
Call RequestLevel.appendChild(DCElementLevel)

' CustomerRefNo is not a required tag

If CustomerRefNo.Text <> "" Then
    Set DCElementLevel = xmlDoc.createElement("CustomerRefNo")
    Set t = xmlDoc.createTextNode(CustomerRefNo.Text)
    DCElementLevel.appendChild (t)
    Call RequestLevel.appendChild(DCElementLevel)
End If

' POZipCode is not a required tag

If POZipCode.Text <> "" Then
    Set DCElementLevel = xmlDoc.createElement("POZipCode")
    Set t = xmlDoc.createTextNode(POZipCode.Text)
    DCElementLevel.appendChild (t)
    Call RequestLevel.appendChild(DCElementLevel)
End If

' Close the document and set all the objects to nothing

Call xmlDoc.appendChild(RequestLevel)
Set ContentsElementLevel = Nothing
Set ContentsLevel = Nothing
Set RequestLevel = Nothing
Set DCElementLevel = Nothing
Set ContentsLevel = Nothing
```

Steps 2 & 3: Make the Internet Connection and Send the XML Request

These two steps are presented together to simplify things. The two steps actually involve four separate functions:

1. making the connection to the API server (test server or production server)
2. sending the request (whether Visual Basic, Perl, ASP, or any other language)
3. receiving the response from the API server
4. closing the Internet connection

These steps are identical for sending "Sample" or "Live" requests. **Remember, however, that you are provided with a different server name to send "Live" requests.**

This section describes two ways to make the Internet connection. This is not an all-inclusive list. It simply represents the most common and easiest ways to make the Internet connection.

- Using the USPS-supplied HTTP Connection DLL

The HTTP Connection DLL is recommended for NT systems. This software, created specifically for the USPS API implementation, provides e-tailers with a thread-safe sockets interface to submit XML requests and receive XML responses from the API server.

- Using Microsoft's WinInet

Although you can use the WinInet DLL to make the connection to the API server, it is not recommended for server applications due to limitations in the DLL. It is recommended that you either use the USPS-supplied HTTP Connection DLL or write your own sockets interface that can be used to make multiple connections and will remain thread-safe.

Using HTTP Connection DLL

To obtain this code you must submit a Licensing Agreement. See the *Administrative Guide for APIs* for the agreement.

Using WinInet

This sample code shows how to use Microsoft's WinInet DLL to make the Internet connection, using either the "GET" or "POST" (necessary for requests over 2K in size) methods. XMLSTRING represents the URL-encoded XML request and SERVERNAME indicates the name of the USPS web site to which you are connecting. The two lines of code presented in boldface below must be changed depending on which step you are completing.

For "Sample" test requests the code should read:

```
File = "\ShippingAPI.dll?"  
xml = "API=GlobalExpressMailLabelCertify&XML=" & XMLSTRING
```

For "Live" requests the code should read:

```
File = "\ShippingAPI.dll?"  
xml = "API=GlobalExpressMailLabel&XML=" & XMLSTRING
```

Input:

```
Dim File As String
```

```
Dim xml As String
Dim sHeader As String
Dim htmlFile As String
Dim tmp As String * 2048
Dim bDoLoop As Boolean

SERVERNAME = "???????????"
File = "/ShippingAPI.dll?"
xml = "API=GlobalExpressMailLabel&XML=" & xmlDoc.xml

'
' Open a connection to the server and send the request using either a get or
a post
' This example uses Wininet.dll
'

hOpen = InternetOpen("", 1, vbNullString, vbNullString, 0)
hConnection = InternetConnect(hOpen, SERVERNAME, 0, _
"", "", 3, 0, 0)

'Get
'File = File & xml
'hFile = HttpOpenRequest(hConnection, "GET", File, "HTTP/1.0", vbNullString,
0, 0, 0)

'Post
hFile = HttpOpenRequest(hConnection, "POST", File, "HTTP/1.0", vbNullString,
0, 0, 0)

sHeader = "Content-Type: application/x-www-form-urlencoded" & vbCrLf
Call HttpAddRequestHeaders(hFile, sHeader, Len(sHeader), 0)
bDoLoop = HttpSendRequest(hFile, vbNullString, 0, xml, Len(xml))
'
' Get the answer from the server

bDoLoop = True
While bDoLoop
    tmp = vbNullString
    bDoLoop = InternetReadFile(hFile, tmp, Len(tmp), numread)
    If Not bDoLoop Then
        Exit Sub
    Else
        htmlFile = htmlFile & Left$(tmp, numread)
        If Not CBool(numread) Then bDoLoop = False
    End If
Wend
If hFile <> 0 Then InternetCloseHandle (hFile)
If hConnection <> 0 Then InternetCloseHandle (hConnection)
If hOpen <> 0 Then InternetCloseHandle (hOpen)

xmlstr = htmlFile

'Call the routine to parse the document

Call parsedoc(xmlstr)
```

Step 4: Unpack the XML Response

This step is identical for unpacking “Sample” or “Live” responses.

Types of Responses

When the Shipping API server returns a response, it will either return a successful response document or an error document. Anytime you receive a response, you should check to see if the document is <Error>. Refer to the *Errors* section.

Using Visual Basic

Using the Microsoft XML object model in Visual Basic, such responses can be unpacked as follows:

```
Sub parsedoc(ByVal xmlstr As String)

    Dim oChild As IXMLDOMNode
    Dim nodeList As IXMLDOMNodeList
    Dim i As Integer
    Dim CustomsForms As String
    Dim GEMReceipt As String
    Dim GEMConfirmationNumber As String
    Dim GEMNotes As String
    Dim Regulations As String
    'Dim CustomsForms As String
    Dim Observations As String
    Dim Restrictions As String
    Dim Prohibitions As String
    'Dim GEMReceipt As String
    Dim GEMLabel As String
    Dim Postage As String
    Dim TotalValue As String
    Dim xmlDoc As New DOMDocument

    xmlDoc.validateOnParse = False
    xmlDoc.loadXML (xmlstr) 'Response

    '
    ' See if there was an error
    '

    Set nodeList = xmlDoc.getElementsByTagName("Error")
    If nodeList.length > 0 Then 'Top-level Error
        Set n = nodeList.Item(0)
        For i = 0 To n.childNodes.length - 1
            Set e = n.childNodes.Item(i)
            Select Case e.nodeName
                Case "Source"
                Case "Number"
                Case "Description"
                Case "HelpFile"
                Case "HelpContext"
            End Select
        Next i
    End If
End Sub
```

```
Else 'no Top-level Error
  'Get the list of nodes.
  Set nodeList =
xmlDoc.getElementsByTagName("GlobalExpressMailLabelResponse")
  For i = 0 To nodeList.length - 1
    Set oChild = nodeList.Item(i)
    Set oChild = oChild.firstChild
    While Not oChild Is Nothing

      Select Case oChild.nodeName
      '
      'Put the node contents in to string variables
      '
      Case "Postage"
        If oChild.hasChildNodes Then
          Postage = oChild.firstChild.nodeValue
        End If
      Case "TotalValue"
        If oChild.hasChildNodes Then
          TotalValue = oChild.firstChild.nodeValue
        End If

      Case "GEMConfirmationNumber"
        If oChild.hasChildNodes Then
          GEMConfirmationNumber = oChild.firstChild.nodeValue
        Else
          Err.Raise "Missing GEM Number"
        End If
      Case "CustomsBarcodeNumber"
        If oChild.hasChildNodes Then
          GEMConfirmationNumber = oChild.firstChild.nodeValue
        Else
          Err.Raise "Missing Customs Number"
        End If
      Case "GEMLabel"
        If oChild.hasChildNodes Then
          GEMLabel = oChild.firstChild.nodeValue
        Else
          Err.Raise "Missing GEM Label"
        End If
      Case "GEMReceipt"
        If oChild.hasChildNodes Then
          GEMReceipt = oChild.firstChild.nodeValue
        Else
          Err.Raise "Missing GEM receipt"
        End If
      Case "Prohibitions"
        If oChild.hasChildNodes Then
          Prohibitions = oChild.firstChild.nodeValue
        End If
      Case "Restrictions"
        If oChild.hasChildNodes Then
          Restrictions = oChild.firstChild.nodeValue
        End If
      Case "Observations"
        If oChild.hasChildNodes Then
          Observations = oChild.firstChild.nodeValue
        End If
      End Select
    End While
  Next i
End If
```

```
        End If
    Case "CustomsForms"
        If oChild.hasChildNodes Then
            CustomsForms = oChild.firstChild.nodeValue
        End If
    Case "Regulations"
        If oChild.hasChildNodes Then
            Regulations = oChild.firstChild.nodeValue
        End If
    Case "GEMNotes"
        If oChild.hasChildNodes Then
            GEMNotesGEMNotes = oChild.firstChild.nodeValue
        End If

    End Select
    Set oChild = oChild.nextSibling
Wend
Next i
End If
Set xmlDoc = Nothing

' The variables for the images now contain Base64 encoded data.
' The contents must now be decoded and written to a file with the
' proper extension for an on disk images to be created.

End Sub
```

Base64 Decoding in VBScript in an ASP

```
<%@ Language=VBScript %>
<%
Dim dcOutput()
sBase = "ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789+/"
StreamLength = len(ExpressMailLabel)

'-----
'Strip cr/lf
dcCopylen = 0
dcCopy = ""
For j = 1 To StreamLength
    If ((Mid(DeliveryConfirmationLabel, j, 1) <> vbCr) And
Mid(DeliveryConfirmationLabel, j, 1) <> vbLf)) Then
        dcCopy = dcCopy & Mid(DeliveryConfirmationLabel, j, 1)
        dcCopylen = dcCopylen + 1
    End If
Next
'-----

'-----
'Decode bulk of string
dcOutputlen = 0
ReDim dcOutput((dcCopylen * 3) / 4)
    For j = 1 To dcCopylen - 4 Step 4
        'map "A"-"/" to 0-63
        a = InStr(1, sBase, Mid(dcCopy, j, 1), vbBinaryCompare) - 1
        b = InStr(1, sBase, Mid(dcCopy, j + 1, 1), vbBinaryCompare) - 1
        c = InStr(1, sBase, Mid(dcCopy, j + 2, 1), vbBinaryCompare) - 1
```

```
d = InStr(1, sBase, Mid(dcCopy, j + 3, 1), vbBinaryCompare) - 1
'decode 0-63 to 0-255
dcOutput(dcOutputlen) = (a * 4) Or ((b And 48) / 16)
dcOutput(dcOutputlen + 1) = ((b And 15) * 16) Or ((c And 60) / 4)
dcOutput(dcOutputlen + 2) = ((c And 3) * 64) Or (d And 63)

dcOutputlen = dcOutputlen + 3
Next
'-----
'-----
'Decode last 1-3 characters
a = InStr(1, sBase, Mid(dcCopy, j, 1), vbBinaryCompare) - 1
b = InStr(1, sBase, Mid(dcCopy, j + 1, 1), vbBinaryCompare) - 1
dcOutput(dcOutputlen) = (a * 4) Or ((b And 48) / 16)
If j + 2 <= dcCopylen Then
    c = InStr(1, sBase, Mid(dcCopy, j + 2, 1), vbBinaryCompare) - 1
    dcOutput(dcOutputlen + 1) = ((b And 15) * 16) Or ((c And 60) / 4)
    dcOutputlen = dcOutputlen + 1
End If
If j + 3 <= dcCopylen Then
    d = InStr(1, sBase, Mid(dcCopy, j + 3, 1), vbBinaryCompare) - 1
    dcOutput(dcOutputlen + 2) = ((c And 3) * 64) Or (d And 63)
    dcOutputlen = dcOutputlen + 1
End If

Response.ContentType = "Application/PDF"
for j = 0 to dcOutputlen - 1
    response.binarywrite chrB(dcOutput(j))
next
%>
```

Errors

Error conditions are handled at the main XML document level. For APIs that can handle multiple transactions, the error conditions for requests for multiple responses to be returned together are handled at the response level. For example: an API developer sends a request for rates for two packages. If the addresses are non-existent, an “Error document” is returned to the user. On the other hand, if the address for the first package is acceptable but not the second, the response document contains the information for the first address, but under the XML tag for the second address there is an error tag. When parsing, it is best to check for an error document first, before checking for good data.

Error documents follow the Visual Basic error standards and have the following format:

```
<Error>
    <Number></Number>
    <Source></Source>
    <Description></Description>
    <HelpFile></HelpFile>
    <HelpContext></HelpContext>
</Error>
```

where:

- Number = the error number generated by the API server
- Source = the component and interface that generated the error on the API server
- Description = the error description
- HelpFile = [reserved for future use]
- HelpContext = [reserved for future use]

Errors that are further down in the hierarchy also follow the above format.

Output

After following Technical Step 4 and unpacking the XML response, you will have the output from your request. This section describes the different outputs resulting from “*Sample*” and “*Live*” requests. Both types of requests result in an XML response with the following tags:

Output	XML Tag
“Sample” Response	<GlobalExpressMailLabelCertifyResponse>
“Live” Response	<GlobalExpressMailLabelResponse>
Amount of Postage Required	<Postage>
Value of all items being shipped	<TotalValue>
Global Express Mail Tracking Number	<GEMConfirmationNumber>
U.S. Customs Number	<CustomsBarcodeNumber>
Global Express Mail Label	<GEMLabel>
List of items prohibited from mailing based on country of destination	<Prohibitions>
Restrictions on items being shipped based on country of destination	<Restrictions>
Additional mailing information based on country of destination	<Observations>
Customs forms required to mail to destination country	<CustomsForms>
Additional regulations for shipping to destination country	<Regulations>
Information for Global Express Mail service only	<GEMNotes>

“Sample” and “Live” Responses

XML Output

```
<?xml version="1.0"?>
<GlobalExpressMailLabelResponse>
  <Postage>21.65</Postage>
  <TotalValue>1.00</TotalValue>
  <GEMConfirmationNumber>EC103004772US</GEMConfirmationNumber>
  <CustomsBarcodeNumber>CP610000315US</CustomsBarcodeNumber>
  <GEMLabel>JVBERi0xLjI. . .</GEMLabel>
  <Prohibitions>
    Arms, ammunition.
    Cigarette lighters using butane gas.
    Feeding bottles.
    Funeral urns.
```

Goods bearing false marks of French manufacture or origin.
Imitation pearls containing lead salts and any articles of jewelry made with pearls of this type.
Measuring instruments marked in units not complying with French law.
Perishable infectious biological substances except as noted in Restrictions below.
Perishable noninfectious biological substances except as noted under Restriction below.
Radioactive materials.
Saccharine in tablets or packets.
Live plants and animals.
Arms and weapons.
Human remains.

</Prohibitions>

<Restrictions>

Bees, honey, and beeswax must be accompanied by a certificate of origin and noninfection issued by a qualified official approved by the Government. Shipments of honey not exceeding 2 kilograms do not require the certificate.
Books in the French language printed abroad must have the names of the publisher and printer shown as prescribed by the French copyright laws.
Canned vegetables, fish, plums, and nuts not bearing an indication of the country of origin by stamping, in plain raised or sunken letters at least 4 millimeters high, in the middle of the top or bottom and in a place not bearing any inscription.
Gold coins or other articles of gold require that the addressee have a permit issued by the Bank of France (not required for gold-plated articles or for ornaments or jewelry containing only small amounts of gold and weighing 500 grams or less).
Medicines and medicinal products require an import license issued by the Central Pharmaceutical Service of the Ministry of Health.
Perishable biological substances, infectious and noninfectious, are admitted when addressed to the following laboratories:

1. Pasteur Institute
25 rue du docteur Roux
75724 Paris CEDEX 14
FRANCE
2. Pasteur Institute
1 rue du Professeur Calmette
59019 Lille CEDEX BB 245
FRANCE
3. Pasteur Institute
77 rue Pasteur
69365 Lyon CEDEX
FRANCE

Plants, seeds, bulbs must be accompanied by plant health certificate.

The importation of tobacco leaves and stems, manufactured tobaccos, cigars, cigarettes, chewing and smoking tobacco is permitted only on behalf of the State Monopoly, with the following exception: Manufactured tobaccos, including cigars and cigarettes, may be sent to individuals in France for personal use up to 10 kilograms (22 pounds) per person per year, subject to special customs authorization.

</Restrictions>

<Observations>

1. Air parcel post must have a street address. Delivery cannot be made to post office boxes. A local telephone number for the addressee should be provided.
2. For air parcels, an invoice, in duplicate, is required for all commercial shipments regardless of value and for all personal shipments valued at \$300 or more. The invoices must be affixed to the outside of the parcel or may be enclosed in PS Form 2976-E with the customs declaration.
3. It is recommended that all articles bear, as part of the address, the name of the Province in which the office of destination is located.
4. Printed matter of value should have Form 2976 affixed, and it can be cleared more readily through French customs if an invoice is enclosed.
5. Parcel post packages whose senders or addressees are designated by initials will not be admitted.
6. Shipments must not be fastened by means of wire, but straps not having sharp edges may be used, provided they are tightly fastened so that no sharp ends or corners are exposed.

</Observations>

<CustomsForms>

- Letter-post: PS Form 2976 or 2976-A (see 123.61)
Parcel Post: PS Form 2976-A inside 2976-E (envelope)

</CustomsForms>

<Regulations>

- Country Code: FR
Reciprocal Service Name:
There is no reciprocal service.
Required Customs Form/Endorsement
1. Business correspondence, commercial papers and documents.
PS Form 2976, Customs - CN 22 (Old C 1) and Sender's Declaration (green label).
 2. Merchandise samples, gifts, computer data including computer cards, magnetic tape, microfilm, and microfiche.
PS Form 2976-A, Customs Declaration and Dispatch Note CP 72, inside a PS Form 2976-E, Customs Declaration Envelope CP 91.
 3. Merchandise and all articles subject to customs duty.
PS Form 2976-A, Customs Declaration and Dispatch Note CP 72, inside a PS Form 2976-E, Customs Declaration Envelope CP 91. A commercial invoice must be attached to the outside of all commercial shipments.

Notes:

1. Indicate precise description of documents, gifts, merchandise samples, and merchandise.
2. For personal gifts, merchandise samples, and merchandise, indicate the value of the contents expressed in U.S. dollars or French francs.
3. Label gift packages clearly as GIFT or CADEAU and merchandise samples as SAMPLES.
4. Coins; banknotes; currency notes (paper money); securities of any kind payable to bearer; traveler's checks; platinum, gold, and silver (manufactured or not); precious stones; jewelry; and other valuable articles are

prohibited in EMS shipments to France (including Corsica and Monaco).

5. Express Mail shipments must have a street address. Post office box addresses should not be used. A local telephone number for addressee should be provided if possible.

6. Arms, weapons, and human remains are prohibited.

7. An invoice, in duplicate, is required for all commercial shipments regardless of value and for all personal shipments valued at \$300 or more. The invoices must be affixed to the outside of the parcel or may be enclosed in PS Form 2976-E with the customs declaration.

Areas Served:

All locations in France, Corsica, and Monaco are served.

</Regulations>

<GEMNotes></GEMNotes>

</GlobalExpressMailLabelResponse>

Label Output

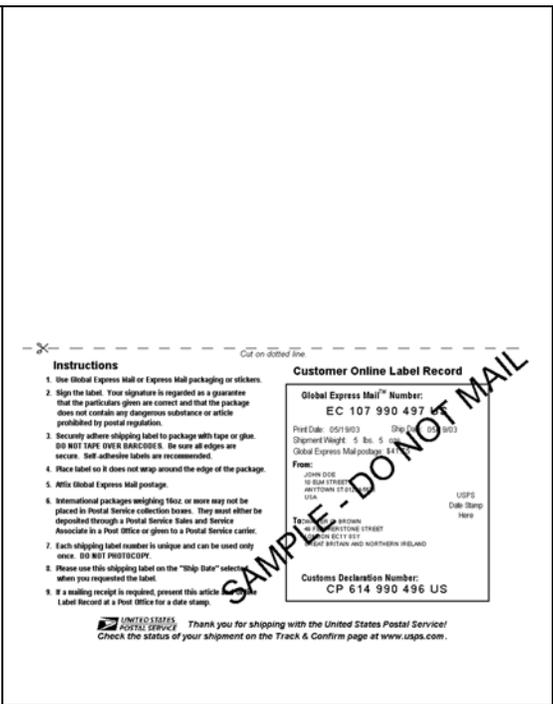
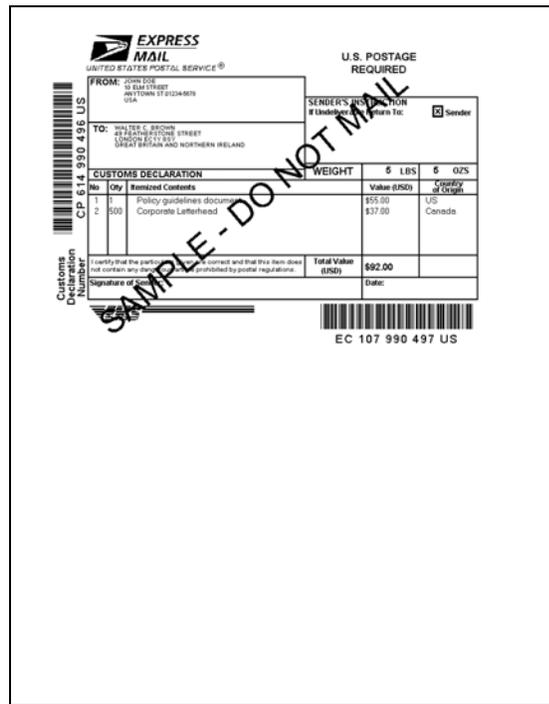
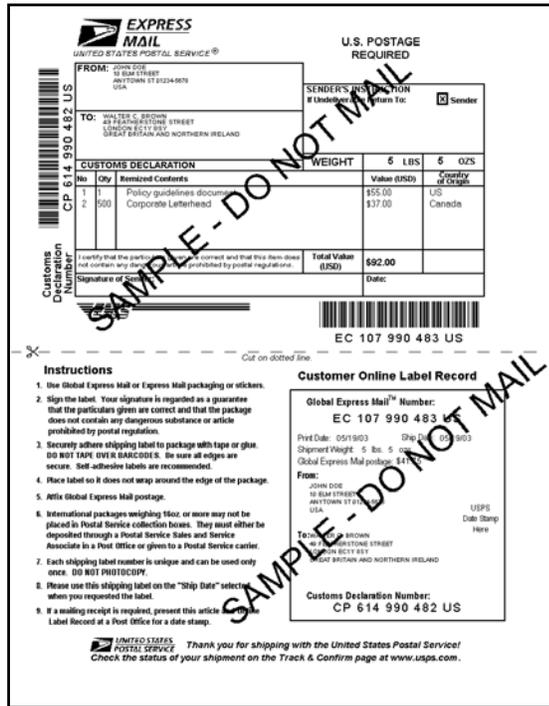
The image returned is Base64-encoded in PDF or GIF format and must be decoded before use. For additional information on Base64-encoding and decoding, consult the following URLs: <http://www.ietf.org/rfc/rfc1421.txt> (Section 4.3.2.4) and <http://www.ietf.org/rfc/rfc2045.txt> (Section 6.8).

If you entered "False" with the <SeparateReceiptPage> tag, after decoding the "Sample" label should look like the example at left.

Note that the words "SAMPLE – DO NOT MAIL" appear on the labels on this page. This is to distinguish them from any "Live" labels you will produce later.

(The images on this page are not to scale.)

If you entered "True" with the <SeparateReceiptPage> tag, indicating that you want the shipping label and Customer Online Label Record printed on two separate pages, after decoding the "Sample" labels should look like the example below.



EXPRESS MAIL
UNITED STATES POSTAL SERVICE®

U.S. POSTAGE
REQUIRED

FROM: JOHN DOE
10 ELM STREET
ANYTOWN ST 01234-5678
USA

TO: WALTER C. BROWN
40 FEATHERSTONE STREET
LONDON EC1Y 8JL
GREAT BRITAIN AND NORTHERN IRELAND

SENDER'S INSTRUCTION
Undeliverable Return To: Sender

CUSTOMS DECLARATION		WEIGHT	5 LBS	5 OZS
No.	Qty	Itemized Contents	Value (USD)	Country of Origin
1	1	Policy guidelines document	\$55.00	USA
2	500	Corporate Letterhead	\$37.00	Canada
Total Value (USD)			\$92.00	

Signature of Sender: _____ Date: _____

EC 106 090 735 US

Instructions

- Use Global Express Mail or Express Mail packaging or stickers.
- Sign the label. Your signature is regarded as a guarantee that the particulars given are correct and that the package does not contain any dangerous substance or article prohibited by postal regulations.
- Securely adhere shipping label to package with tape or glue. DO NOT TAPE OVER BARCODES. Be sure all edges are secure. Self-adhesive labels are recommended.
- Place label so it does not wrap around the edge of the package.
- Attach Global Express Mail postage.
- International packages weighing 16oz. or more may not be placed in Postal Service collection boxes. They must either be deposited through a Postal Service Sales and Service Associate in a Post Office or given to a Postal Service carrier.
- Each shipping label number is unique and can be used only once. DO NOT PHOTOCOPY.
- Please use this shipping label on the "Ship Date" selected when you registered the label.
- If a mailing receipt is required, present this article and Online Label Record at a Post Office for a date stamp.

Customer Online Label Record

Global Express Mail® Number:
EC 106 090 735 US

Print Date: 05/19/03 Ship Date: 05/19/03
Signed Weight: 5 lbs. 5 ozs.
Global Express Mail postage: \$41.75

From:
JOHN DOE
10 ELM STREET
ANYTOWN ST 01234-5678
USA

To:
WALTER C. BROWN
40 FEATHERSTONE STREET
LONDON EC1Y 8JL
GREAT BRITAIN AND NORTHERN IRELAND

USPS
Date Stamp
HERE

Customs Declaration Number:
CP 610 002 735 US

Thank you for shipping with the United States Postal Service!
Check the status of your shipment on the Track & Confirm page at www.usps.com.

If you entered "False" with the <SeparateReceiptPage> tag, after decoding the "Live" label should look like the example at left.

(The images on this page are not to scale.)

If you entered "True" with the <SeparateReceiptPage> tag, indicating that you want the shipping label and Customer Online Label Record printed on two separate pages, after decoding the "Live" labels should look like the example below.

EXPRESS MAIL
UNITED STATES POSTAL SERVICE®

U.S. POSTAGE
REQUIRED

FROM: JOHN DOE
10 ELM STREET
ANYTOWN ST 01234-5678
USA

TO: WALTER C. BROWN
40 FEATHERSTONE STREET
LONDON EC1Y 8JL
GREAT BRITAIN AND NORTHERN IRELAND

SENDER'S INSTRUCTION
Undeliverable Return To: Sender

CUSTOMS DECLARATION		WEIGHT	5 LBS	5 OZS
No.	Qty	Itemized Contents	Value (USD)	Country of Origin
1	1	Policy guidelines document	\$55.00	USA
2	500	Corporate Letterhead	\$37.00	Canada
Total Value (USD)			\$92.00	

Signature of Sender: _____ Date: _____

EC 106 090 744 US

Instructions

- Use Global Express Mail or Express Mail packaging or stickers.
- Sign the label. Your signature is regarded as a guarantee that the particulars given are correct and that the package does not contain any dangerous substance or article prohibited by postal regulations.
- Securely adhere shipping label to package with tape or glue. DO NOT TAPE OVER BARCODES. Be sure all edges are secure. Self-adhesive labels are recommended.
- Place label so it does not wrap around the edge of the package.
- Attach Global Express Mail postage.
- International packages weighing 16oz. or more may not be placed in Postal Service collection boxes. They must either be deposited through a Postal Service Sales and Service Associate in a Post Office or given to a Postal Service carrier.
- Each shipping label number is unique and can be used only once. DO NOT PHOTOCOPY.
- Please use this shipping label on the "Ship Date" selected when you registered the label.
- If a mailing receipt is required, present this article and Online Label Record at a Post Office for a date stamp.

Customer Online Label Record

Global Express Mail® Number:
EC 106 090 744 US

Print Date: 05/19/03 Ship Date: 05/19/03
Signed Weight: 5 lbs. 5 ozs.
Global Express Mail postage: \$41.75

From:
JOHN DOE
10 ELM STREET
ANYTOWN ST 01234-5678
USA

To:
WALTER C. BROWN
40 FEATHERSTONE STREET
LONDON EC1Y 8JL
GREAT BRITAIN AND NORTHERN IRELAND

USPS
Date Stamp
HERE

Customs Declaration Number:
CP 610 002 546 US

Thank you for shipping with the United States Postal Service!
Check the status of your shipment on the Track & Confirm page at www.usps.com.

EC 106 090 744 US

Instructions

- Use Global Express Mail or Express Mail packaging or stickers.
- Sign the label. Your signature is regarded as a guarantee that the particulars given are correct and that the package does not contain any dangerous substance or article prohibited by postal regulations.
- Securely adhere shipping label to package with tape or glue. DO NOT TAPE OVER BARCODES. Be sure all edges are secure. Self-adhesive labels are recommended.
- Place label so it does not wrap around the edge of the package.
- Attach Global Express Mail postage.
- International packages weighing 16oz. or more may not be placed in Postal Service collection boxes. They must either be deposited through a Postal Service Sales and Service Associate in a Post Office or given to a Postal Service carrier.
- Each shipping label number is unique and can be used only once. DO NOT PHOTOCOPY.
- Please use this shipping label on the "Ship Date" selected when you registered the label.
- If a mailing receipt is required, present this article and Online Label Record at a Post Office for a date stamp.

Customer Online Label Record

Global Express Mail® Number:
EC 106 090 744 US

Print Date: 05/19/03 Ship Date: 05/19/03
Signed Weight: 5 lbs. 5 ozs.
Global Express Mail postage: \$41.75

From:
JOHN DOE
10 ELM STREET
ANYTOWN ST 01234-5678
USA

To:
WALTER C. BROWN
40 FEATHERSTONE STREET
LONDON EC1Y 8JL
GREAT BRITAIN AND NORTHERN IRELAND

USPS
Date Stamp
HERE

Customs Declaration Number:
CP 610 002 546 US

Thank you for shipping with the United States Postal Service!
Check the status of your shipment on the Track & Confirm page at www.usps.com.

Creating Your Own Labels

The Global Express Mail API generates a PDF, TIF, or GIF image of both the Global Express Mail label and the Customer Online Label Record. When certified by the USPS, you may create your own labels using the information provided by the API.

You also have the option of using PC Postage products to include the postage on the labels you generate. Descriptions of PC Postage products can be found at http://www.usps.com/postagesolutions/pc_post.htm.

The first section below outlines the requirements for designing your own labels *without* PC Postage, followed by a section for creating labels *with* PC Postage.

Without PC Postage

Global Express Mail Label Requirements

If you are creating your own labels for the Global Express Mail API, your label must comply with the following specifications. Additionally, you must submit your labels for review and certification to the Internet Customer Care Center (see page i) before they can be used in a production environment.

The Global Express Mail label has been divided into several segments. Each of these segments is comprised of one or more elements:

1. Mail Classification
 - Service Indicator
 - Postage Area
2. Addressing
 - Sender Address
 - Recipient Address
 - Sender's Instruction
3. Customs Information
 - Itemized Content Detail
4. Endorsement
 - Customs Declaration Certification
 - Customs Declaration Signature & Date
5. Barcodes
 - Global Express Mail Barcode
 - Customs Declaration Number Barcode

Mail Classification Segment

Service Indicator Specifications

The service indicator is composed of the USPS Express Mail logo and the EMS logo. The USPS Express Mail logo is positioned above the top left corner of the addressing area. The EMS logo is positioned below the bottom left corner of the endorsement area.

Postage Area Specifications

The postage area must contain the text U.S. POSTAGE REQUIRED as illustrated below. The text must be a minimum of 12-point bold font.



**U.S. POSTAGE
REQUIRED**

Addressing Segment

The addressing segment contains the sender and recipient address information, and information on the senders preference when the article is undeliverable.

Sender Address Specifications

- Area labeled with “FROM:” in 14-point, bold sans serif font.
- Address data left justified in the top portion of the address segment, immediately right of the FROM: label.
- Address data font size of 8-point (approx.), sans serif.

Recipient Address Specifications

- Area labeled with “TO:” in 14-point, bold sans serif font.
- Address data left justified in the top portion of the address segment, immediately right of the TO: label.
- Address data font size of 8-point (approx.), sans serif.

Sender's Instruction Specifications

- Area labeled with “SENDER’S INSTRUCTION” in 14-point, bold sans serif font.
- Area sub-labeled with “If Undeliverable Return To:” in 12-point, bold sans serif font.
- Selection Box with label “Sender” in 12-point, bold sans serif font.
- Address data left justified in the top portion of the address segment immediately below the sub-label.
- Address data font size of 8-point (approx.), sans serif.

FROM: JOHN DOE ABC GRAPHICS 10 ELM STREET ANYTOWN ST 01234-5678 USA	SENDER'S INSTRUCTION If Undeliverable Return To: <input checked="" type="checkbox"/> Sender
TO: WALTER C. BROWN 49 FEATHERSTONE STREET LONDON EC1Y 8SY GREAT BRITAIN AND NORTHERN IRELAND	WEIGHT 5 LBS 5 OZS

Customs Information Segment

The Customs Information segment contains detailed information about the contents of the article.

Itemized Content Detail Specifications

- Area labeled with “CUSTOMS DECLARATION” in 11-point, bold sans serif font.
- Columns for the five item detail categories. The top of each column should be labeled with the proper header in 9-point, bold sans serif font. The five item detail categories are:
 - Item Number. The column should be labeled “No.”
 - Quantity of the item in the package. The column should be labeled “Qty.”
 - Description of the item. The column should be labeled “Itemized Contents.”
 - Value of the item. The column should be labeled “Value (USD).”
 - Country of origin. The column should be labeled “Country of Origin.” This label may be split into two lines.
- Total Value of items in package. The sum of the individual item values. The field should be labeled “Total Value (USD) in 9-point bold, sans serif. This label may be split into two lines.

CUSTOMS DECLARATION			WEIGHT	5 LBS	5 OZS
No	Qty	Itemized Contents	Value (USD)	Country of Origin	
1	1	Policy guidelines document	\$55.00	US	
2	500	Corporate Letterhead	\$37.00	Canada	
I certify that the particulars given are correct and that this item does not contain any dangerous article prohibited by postal regulations.			Total Value (USD)	\$92.00	

Endorsement Segment

The Customs Declaration Certification contains text certifying that the information provided is correct and that the contents are not prohibited items.

Customs Declaration Certification

The certification text will be “I certify that the particulars given are correct and that this item does not contain any dangerous article prohibited by postal regulations” in 8-point, bold sans serif font.

Customs Declaration Signature and Date

- Signature area labeled with “Signature of Sender:” in 9-point, bold sans serif font.
- Date area labeled with “Date:” in 9-point, bold sans serif font.

I certify that the particulars given are correct and that this item does not contain any dangerous article prohibited by postal regulations.	Total Value (USD)	\$92.00	
Signature of Sender:		Date:	

Barcode Segment

There are two barcodes included on the Global Express Mail label: the Global Express Mail barcode and the Customs Declaration Number barcode. The Global Express Mail barcode appears directly below the endorsement segment and contains the Global Express Mail tracking number assigned to uniquely identify the shipment. The Customs Declaration Number barcode is printed vertically and to the immediate left of the Addressing and Customs areas.

Global Express Mail Barcode Specifications

Barcode:

- Must use USS Code 39 barcode symbology (see section below).
- Must use Mod 11 check digit.
- Must be a minimum of 0.4 inches in height.



EC 106 089 091 US

Human readable text below barcode:

- Must be printed directly below the barcode.
- Must be no less than 0.05 inches or more than 0.5 inches from the barcode.
- Font size must be 10 point (minimum) bold, sans serif (12 point recommended).
- The human-readable representation of the barcode must be parsed as follows:

XX 999 999 999 YY

Customs Declaration Number Barcode Specifications

Customs Declaration Number		CP 610 000 899 US	FROM:
			TO: WA 491 LOT GRI
			CUSTOMS
			Signature

No	Qty
1	1
2	500

I certify that not contain

Barcode:

- Must use USS Code 39 barcode symbology (see section below).
- Must use Mod 11 check digit.
- Must be a minimum of 0.3 inches in height.

Human readable text below barcode:

- Must be printed directly below the barcode.
- Must be no less than 0.05 inches or more than 0.5 inches from the barcode.
- Font size must be 10 point (minimum) bold, sans serif (12 point recommended).
- The human-readable representation of the barcode must be parsed as follows:

XX 999 999 999 YY

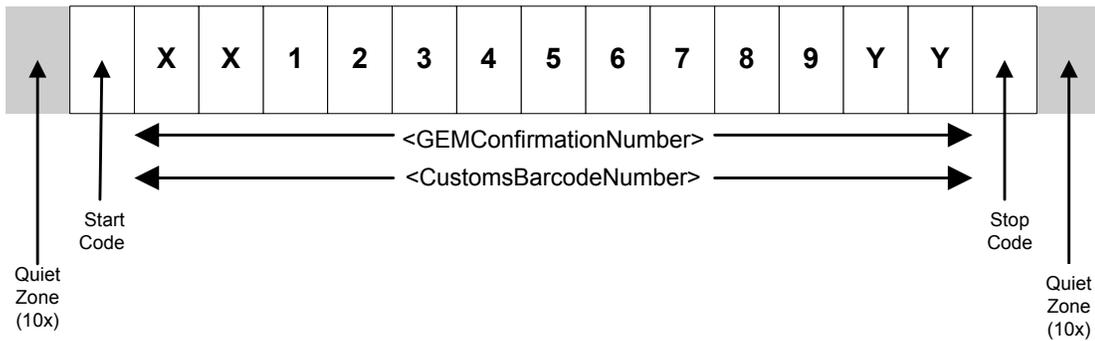
Information concerning ANSI barcode guidelines are in standard X3.182, Bar Code Print Quality Guideline, and may be obtained from:

American National Standards Institute
11 W 42nd St
New York NY 10036-8002
Telephone: 212-642-4900
Web site: www.ansi.org

Written technology standards for the USS Code 39 barcode symbology (see below) can be obtained from:

Aim Inc.
634 Alpha Dr
Pittsburgh PA 15238-2802
Telephone: 412-963-8588 (Technical Department)
Web site: www.aimi.org

Data Format USS Code 39



Customer Online Label Record Requirements

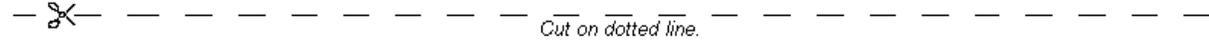
Similar to creating your own labels for the Global Express Mail API, you are required to create a Customer Online Label Record as illustrated below. You are required to populate the following data on the label:

- Sender name and address
- Recipient name and address
- The human readable Global Express Mail number
- The human readable Customs Declaration number
- The label print date and the item ship date
- Package weight
- “USPS Date Stamp Here”

The label must be identical, or nearly identical, in design to the sample below.

Mailing Instructions

The mailing instructions should be positioned to the left of the Customer Online Label Record. These instructions should be in 12 point, sans serif font. There are different mailing instructions for labels with PC Postage service and without.



Instructions

1. Use Global Express Mail or Express Mail packaging or stickers.
2. Sign the label. Your signature is regarded as a guarantee that the particulars given are correct and that the package does not contain any dangerous substance or article prohibited by postal regulation.
3. Securely adhere shipping label to package with tape or glue. **DO NOT TAPE OVER BARCODES.** Be sure all edges are secure. Self-adhesive labels are recommended.
4. Place label so it does not wrap around the edge of the package.
5. Affix Global Express Mail postage.
6. International packages weighing 16oz. or more may not be placed in Postal Service collection boxes. They must either be deposited through a Postal Service Sales and Service Associate in a Post Office or given to a Postal Service carrier.
7. Each shipping label number is unique and can be used only once. **DO NOT PHOTOCOPY.**
8. Please use this shipping label on the "Ship Date" selected when you requested the label.
9. If a mailing receipt is required, present this article and Online Label Record at a Post Office for a date stamp.

Customer Online Label Record

Global Express Mail™ Number:	
EC 106 090 744 US	
Print Date: 05/19/03	Ship Date: 05/19/03
Shipment Weight: 5 lbs. 5 ozs.	
Global Express Mail postage: \$41.75	
From:	
JOHN DOE 10 ELM STREET ANYTOWN ST 01234-5678 USA	
	USPS Date Stamp Here
To: WALTER C. BROWN 40 FEATHERSTONE STREET LONDON EC1Y 8SY GREAT BRITAIN AND NORTHERN IRELAND	
Customs Declaration Number:	
CP 610 002 546 US	

 **UNITED STATES POSTAL SERVICE** Thank you for shipping with the United States Postal Service!
Check the status of your shipment on the Track & Confirm page at www.usps.com.

The instructions for labels without PC Postage should read:

1. Use Global Express Mail or Express Mail packaging or stickers.
2. Sign the label. Your signature is regarded as a guarantee that the particulars given are correct and that the package does not contain any dangerous substance or article prohibited by postal regulation.
3. Securely adhere shipping label to package with tape or glue. **DO NOT TAPE OVER BARCODES.** Be sure all edges are secure. Self-adhesive labels are recommended.
4. Place label so it does not wrap around the edge of the package.
5. Affix Global Express Mail postage.
6. International packages weighing 16 oz. or more may not be placed in Postal Service collection boxes. They must either be deposited through a Postal Service Sales and Service Associate in a Post Office or given to a Postal Service carrier.
7. Each shipping label number is unique and can be used only once. **DO NOT PHOTOCOPY.**
8. Please use this shipping label on the "Ship Date" selected when you requested the label.
9. If a mailing receipt is required, present this article and Online Label Record at a Post Office for a date stamp.

Fonts

While specific font sizes are listed throughout these requirements, font support may vary significantly from printer to printer. In general, the font selection used should be OCR quality. Sans serif fonts are required. Helvetica or Arial font faces/families are highly recommended.

With PC Postage

You have the option of using PC Postage products to include the postage on the labels you generate. Descriptions of PC Postage products can be found at http://www.usps.com/postagesolutions/pc_post.htm.

There are some different requirements for creating your label when using PC Postage software. Follow the instructions in this section if you are using PC Postage.

Global Express Mail Label Requirements

If you are creating your own labels for the Global Express Mail API, your label must comply with the following specifications. Additionally, you must submit your labels for review and certification to the Internet Customer Care Center (see page i) before they can be used in a production environment.

The Global Express Mail label has been divided into several segments. Each of these segments is comprised of one or more elements:

1. Mail Classification
 - Service Indicator
 - Postage Area
2. Addressing
 - Sender Address
 - Recipient Address
 - Sender's Instruction
3. Customs Information
 - Itemized Content Detail
4. Endorsement
 - Customs Declaration Certification
 - Customs Declaration Signature & Date
5. Barcodes
 - Global Express Mail Barcode
 - Customs Declaration Number Barcode

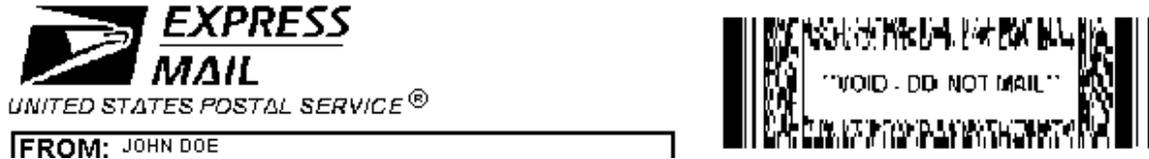
Mail Classification Segment

Service Indicator Specifications

The service indicator is composed of the USPS Express Mail logo and the EMS logo. The USPS Express Mail logo is positioned above the top left corner of the addressing area. The EMS logo is positioned below the bottom left corner of the endorsement area.

Postage Area Specifications

The illustration below shows the results of the PC Postage products integrated into the Global Express Mail label:



Addressing Segment

The addressing segment contains the sender and recipient address information, and information on the senders preference when the article is undeliverable.

Sender Address Specifications

- Area labeled with “FROM:” in 14-point, bold sans serif font.
- Address data left justified in the top portion of the address segment, immediately right of the FROM: label.
- Address data font size of 8-point (approx.), sans serif.

Recipient Address Specifications

- Area labeled with “TO:” in 14-point, bold sans serif font.
- Address data left justified in the top portion of the address segment, immediately right of the TO: label.
- Address data font size of 8-point (approx.), sans serif.

Sender's Instruction Specifications

- Area labeled with “SENDER’S INSTRUCTION” in 14-point, bold sans serif font.
- Area sub-labeled with “If Undeliverable Return To:” in 12-point, bold sans serif font.
- Selection Box with label “Sender” in 12-point, bold sans serif font.
- Address data left justified in the top portion of the address segment immediately below the sub-label.
- Address data font size of 8-point (approx.), sans serif.

FROM: JOHN DOE ABC GRAPHICS 10 ELM STREET ANYTOWN ST 01234-5678 USA	SENDER'S INSTRUCTION If Undeliverable Return To: <input checked="" type="checkbox"/> Sender
TO: WALTER C. BROWN 49 FEATHERSTONE STREET LONDON EC1Y 8SY GREAT BRITAIN AND NORTHERN IRELAND	WEIGHT 5 lbs 5 oz

Customs Information Segment

The Customs Information segment contains detailed information about the contents of the article.

Itemized Content Detail Specifications

- Area labeled with “CUSTOMS DECLARATION” in 11-point, bold sans serif font.
- Columns for the five item detail categories. The top of each column should be labeled with the proper header in 9-point, bold sans serif font. The five item detail categories are:
 - Item Number. The column should be labeled “No.”
 - Quantity of the item in the package. The column should be labeled “Qty.”
 - Description of the item. The column should be labeled “Itemized Contents.”
 - Value of the item. The column should be labeled “Value (USD).”
 - Country of origin. The column should be labeled “Country of Origin.” This label may be split into two lines.
- Total Value of items in package. The sum of the individual item values. The field should be labeled “Total Value (USD) in 9-point bold, sans serif. This label may be split into two lines.

CUSTOMS DECLARATION			WEIGHT	5 LBS	5 OZS
No	Qty	Itemized Contents	Value (USD)	Country of Origin	
1	1	Policy guidelines document	\$55.00	US	
2	500	Corporate Letterhead	\$37.00	Canada	
I certify that the particulars given are correct and that this item does not contain any dangerous article prohibited by postal regulations.			Total Value (USD)	\$92.00	

Endorsement Segment

The Customs Declaration Certification contains text certifying that the information provided is correct and that the contents are not prohibited items.

Customs Declaration Certification

The certification text will be “I certify that the particulars given are correct and that this item does not contain any dangerous article prohibited by postal regulations” in 8-point, bold sans serif font.

Customs Declaration Signature and Date

- Signature area labeled with “Signature of Sender:” in 9-point, bold sans serif font.
- Date area labeled with “Date:” in 9-point, bold sans serif font.

I certify that the particulars given are correct and that this item does not contain any dangerous article prohibited by postal regulations.	Total Value (USD)	\$92.00	
Signature of Sender:		Date:	

Barcode Segment

There are two barcodes included on the Global Express Mail label: the Global Express Mail barcode and the Customs Declaration Number barcode. The Global Express Mail barcode appears directly below the endorsement segment and contains the Global Express Mail tracking number assigned to uniquely identify the shipment. The Customs Declaration Number barcode is printed vertically and to the immediate left of the Addressing and Customs areas.

Global Express Mail Barcode Specifications

Barcode:

- Must use USS Code 39 barcode symbology (see section below).
- Must use Mod 11 check digit.
- Must be a minimum of 0.4 inches in height.



EC 106 089 091 US

Human readable text below barcode:

- Must be printed directly below the barcode.
- Must be no less than 0.05 inches or more than 0.5 inches from the barcode.
- Font size must be 10 point (minimum) bold, sans serif (12 point recommended).
- The human-readable representation of the barcode must be parsed as follows:

XX 999 999 999 YY

Customs Declaration Number Barcode Specifications

Customs Declaration Number	CP 610 000 899 US	FROM:	
		TO:	WA 491 LOT GRI
		CUSTOMS	
		Signature	

No	Qty
1	1
2	500

I certify that not contain

Barcode:

- Must use USS Code 39 barcode symbology (see section below).
- Must use Mod 11 check digit.
- Must be a minimum of 0.3 inches in height.

Human readable text below barcode:

- Must be printed directly below the barcode.
- Must be no less than 0.05 inches or more than 0.5 inches from the barcode.
- Font size must be 10 point (minimum) bold, sans serif (12 point recommended).
- The human-readable representation of the barcode must be parsed as follows:

XX 999 999 999 YY

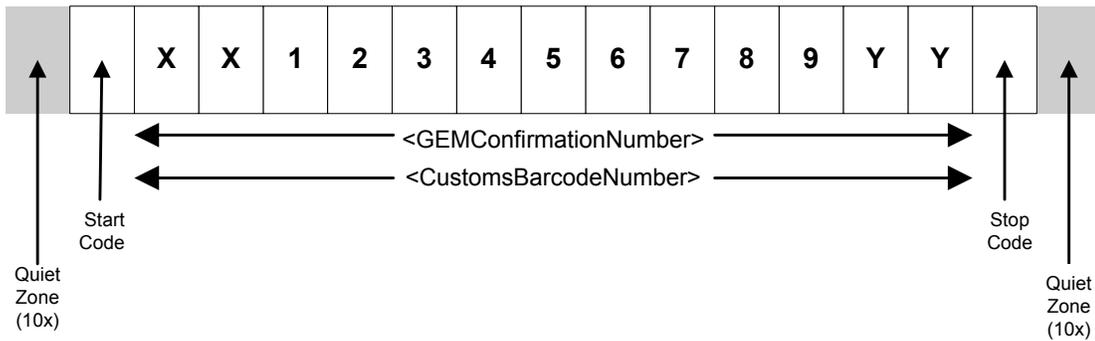
Information concerning ANSI barcode guidelines are in standard X3.182, Bar Code Print Quality Guideline, and may be obtained from:

American National Standards Institute
11 W 42nd St
New York NY 10036-8002
Telephone: 212-642-4900
Web site: www.ansi.org

Written technology standards for the USS Code 39 barcode symbology (see below) can be obtained from:

Aim Inc.
634 Alpha Dr
Pittsburgh PA 15238-2802
Telephone: 412-963-8588 (Technical Department)
Web site: www.aimi.org

Data Format USS Code 39



Customer Online Label Record Requirements

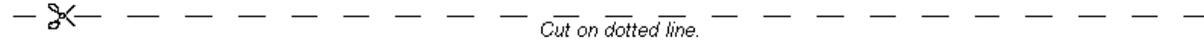
Similar to creating your own labels for the Global Express Mail API, you are required to create a Customer Online Label Record as illustrated below. You are required to populate the following data on the label:

- Sender name and address
- Recipient name and address
- The human readable Global Express Mail number
- The human readable Customs Declaration number
- The label print date and the item ship date
- Package weight
- “USPS Date Stamp Here”
- The Global Express Mail postage required to send the package

The label must be identical, or nearly identical, in design to the sample below.

Mailing Instructions

The mailing instructions should be positioned to the left of the Customer Online Label Record. These instructions should be in 12 point, sans serif font. There are different mailing instructions for labels with PC Postage service and without.



Instructions

1. Use Global Express Mail or Express Mail packaging or stickers.
2. Sign the label. Your signature is regarded as a guarantee that the particulars given are correct and that the package does not contain any dangerous substance or article prohibited by postal regulation.
3. Securely adhere shipping label to package with tape or glue. **DO NOT TAPE OVER BARCODES.** Be sure all edges are secure. Self-adhesive labels are recommended.
4. Place label so it does not wrap around the edge of the package.
5. International packages weighing 16oz. or more may not be placed in Postal Service collection boxes. They must either be deposited through a Postal Service Sales and Service Associate in a Post Office or given to a Postal Service carrier.
6. Each shipping label number is unique and can be used only once. **DO NOT PHOTOCOPY.**
7. Please use this shipping label on the "Ship Date" selected when you requested the label.
8. If a mailing receipt is required, present this article and Online Label Record at a Post Office for a date stamp.

Customer Online Label Record

Global Express Mail™ Number: EC 106 090 727 US	
Print Date: 05/19/03	Ship Date:
Shipment Weight: 5 lbs. 5 ozs.	
Global Express Mail postage: \$41.75	
From: JOHN DOE 10 ELM STREET ANYTOWN ST 01234-5678 USA	
	USPS Date Stamp Here
To: WALTER C. BROWN 49 FEATHERSTONE STREET LONDON EC1Y 8SY GREAT BRITAIN AND NORTHERN IRELAND	
Customs Declaration Number: CP 610 002 529 US	

 **UNITED STATES POSTAL SERVICE** Thank you for shipping with the United States Postal Service!
Check the status of your shipment on the Track & Confirm page at www.usps.com.

The instructions for labels with PC Postage should read:

1. Use Global Express Mail or Express Mail packaging or stickers.
2. Sign the label. Your signature is regarded as a guarantee that the particulars given are correct and that the package does not contain any dangerous substance or article prohibited by postal regulation.
3. Securely adhere shipping label to package with tape or glue. **DO NOT TAPE OVER BARCODES.** Be sure all edges are secure. Self-adhesive labels are recommended.
4. Place label so it does not wrap around the edge of the package.
5. International packages weighing 16 oz. or more may not be placed in Postal Service collection boxes. They must either be deposited through a Postal Service Sales and Service Associate in a Post Office or given to a Postal Service carrier.
6. Each shipping label number is unique and can be used only once. **DO NOT PHOTOCOPY.**
7. Please use this shipping label on the "Ship Date" selected when you requested the label.
8. If a mailing receipt is required, present this article and Online Label Record at a Post Office for a date stamp.

Fonts

While specific font sizes are listed throughout these requirements, font support may vary significantly from printer to printer. In general, the font selection used should be OCR quality. Sans serif fonts are required. Helvetica or Arial font faces/families are highly recommended.