

Delivery Confirmation

USPS Web Tools™

Application Programming Interface User's Guide

Document Version 8.1c (01/22/2012)



To Our Customers

In registering for use of the USPS Web Tools™ (Web Tools), you received a user ID that will allow you to begin sending calls to the server when you are ready. Any additional information or contact with you will occur as indicated on the registration form, please return to the [eCommerce API Technical Guides site](#) for the most recent versions.

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

E-mail address: uspstechsupport@esecurecare.net

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

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 Web Tools servers, 365 days a year.

Trademarks

Express Mail, First-Class Mail, Global Express Mail, GXG, Global Priority Mail, Parcel Post, Parcel Select, Priority Mail, USPS, and ZIP + 4 are registered trademarks of the U.S. Postal Service.

Delivery Confirmation, Global Express Guaranteed, International Parcel Post, Priority Mail Global Guaranteed, Signature Confirmation, USPS Web Tools, and ZIP Code are trademarks of the U.S. Postal Service.

Microsoft and Visual Basic are registered trademarks of Microsoft Corporation.

Adobe Acrobat and Adobe Reader are trademarks of Adobe Systems Incorporated.

DUNS is a registered trademark of Dun & Bradstreet.

©Copyright 2004-2012 United States Postal Service

Table of Contents

1.0	Introduction To Web Tools	1
1.1	Implementation Overview	2
	Step 1: Register	3
	Step 2: Test Your XML	3
	Step 3: Call ICCC for Sample Label Privileges	3
	Step 4: Run Transactions to Produce Sample Labels & Print Output	3
	Step 5: Submit Customized Labels for Certification (Customized Labels Only)	3
	Step 6: Receive Certification from the ICCC (Customized Labels Only)	4
	Step 7: Go Live with Your Web Tool	4
1.2	User ID Restrictions	4
1.3	USPS Corporate Branding Guidelines	5
1.3.1	Preferred Reference	5
1.3.2	Alternative Reference	6
1.3.3	Trademark Ownership and Use	6
1.4	XML Overview	6
1.5	Error Responses	7
1.6	Structure of this Guide	7
2.0	Delivery Confirmation Overview.....	8
2.1	Label Options	8
2.2	Basic Standards and Classes of Mail	12
2.3	First-Class Mail Parcels	12
2.4	Aviation Mail Security & Hazardous Materials.....	12
3.0	Delivery Confirmation Label Web Tool	13
3.1	Delivery Confirmation Label Web Tool Transaction Procedures.....	13
3.2	Run Scripted Test	13
	Step 1: Build the XML Request	13
	Step 2: Make the Internet Connection & Send the XML Request	15
	Step 3: Unpack the XML Response	15
3.3	Run Sample Requests	17
	Step 1: Build the XML Request	17
	Step 2: Make the Internet Connection & Send the XML Request	22
	Step 3: Unpack the XML Response	23
3.4	Run Live Data	25
	Step 1: Build the XML Request	25
	Step 2: Make the Internet Connection & Send the XML Request	32

Step 3: Unpack the XML Response	32
4.0 Delivery Confirmation Barcode Number Web Tool	35
4.1 Delivery Confirmation Barcode Number Web Tool Transaction Procedures.....	35
4.2 Run Scripted Test	35
Step 1: Build the XML Request	35
Step 2: Make the Internet Connection & Send the XML Request	36
Step 3: Unpack the XML Response	37
4.3 Run Sample Requests	38
Step 1: Build the XML Request	38
Step 2: Make Internet Connection & Send the XML Request.....	40
Step 3: Unpack the XML Response	40
Step 4: Create Your Own Label.....	41
Step 5: Get Your Customized Label Certified.....	42
4.4 Run Live Data	43
Step 1: Build the XML Request	43
Step 2: Make the Internet Connection & Send the XML Request	46
Step 3: Unpack the XML Response	46
Appendix A: Delivery Confirmation Product Tracking System Extract File Retrieval.....	48
Appendix B: NCSC Submission Form	52

1.0 Introduction To Web Tools

The USPS Web Tools allow developers of web-based and shrink-wrapped applications access to the on-line services of the United States Postal Service (USPS). They provide easy access to shipping information and services for your customers. Your customers can utilize the functions provided by the USPS without ever leaving your web site. Once the Web Tools are integrated, your server communicates through the USPS Web Tools server over HTTP/HTTPS using XML (eXtensible Markup Language).

Important: Implementing these Web Tools requires experienced programmers who are familiar with Internet and web site development tools and techniques.

There is a *Web Tools User's Guide* for each tool listed on the [eCommerce API Technical Guides site](#). These user guides provide examples of the XML transactions to the USPS Web Tools server and guidance for installation.

1.1 Implementation Overview

As shown below, before you go live with either of the Delivery Confirmation Web Tools, you must perform testing, and if you are planning to create your own customized labels, get your customized label certified. Following the diagram is a brief description of the steps illustrated.



Register Online

Users only have to register once at www.usps.com to download and install Web Tools.



Test Your XML

All Web Tools must be tested using the test scripts provided in this guide.



Call the ICCC

After successful testing, call the ICCC.



Customer Service

The ICCC Grants Sample Privileges

After the ICCC verifies your test results, it allows you access to the server to produce Sample labels only.

At this point in the process, if you're going to use the label returned by the Web Tool, follow this track.



Produce Sample Labels

Follow the instructions in this guide to run Sample label transactions.



Print Sample Labels Returned by Web Tool

Print Sample labels and check for quality.



Call the ICCC

The ICCC will grant access to use Live data. Your Web Tool is now ready for public use.



Go Live With Your Web Tool!

If you're going to create your own label, follow this track.



Produce Sample Labels

Run a Sample transaction, which will result in a barcode number being returned. This number must be used to create your customized label.



Mail Your Customized Labels for Certification

Send 10 of your customized labels with the "Customized Web Tools Label Submission Form" found in the back of this guide to the NCSC.



Receive Notification of Certification

The ICCC will notify you when your labels are certified. At this time, they will grant access to use Live data.



Go Live With Your Web Tool!

Step 1: Register

To use the USPS Web Tools you must be a registered user. Completing the registration process resulted in the receipt of your user ID and test server URL.



If you have not registered, go to the [Web Tools website](#) and follow the registration instructions.

Step 2: Test Your XML

The next step is to test your Web Tools. As a registered user you have been granted access to the test server. **An important note:** The test server is set up to only accept the pre-defined XML transactions and return the pre-defined XML responses provided in this document. For the testing phase, follow the specific instructions in the *Run Scripted Test* section for the Web Tool you are installing.

Step 3: Call ICCC for Sample Label Privileges

Once you have run your XML test transactions and have confirmed the XML responses, contact the Internet Customer Care Center (ICCC). Their e-mail address is uspstechsupport@esecurecare.net; telephone is 1-800-344-7779 (7:00AM to 11:00PM EST). Request the Sample Label privileges. The ICCC will verify your test results and validate you for producing Sample Labels.

Once you have been validated by the ICCC, you will be able to connect to the Web Tools production server. Unlike the test server, the production server will accept live data. Note that once you have access to the production server you may still test against the test server.

Step 4: Run Transactions to Produce Sample Labels & Print Output

At this stage of the process, you are only authorized to send Sample Label data (as described in the *Run Sample Requests* section). If the Sample Labels are satisfactory and you intend to use the labels returned by the Web Tool, instead of creating your own, you then notify the ICCC. After they verify the quality of the Sample Label, they then grant you full production access. You are now ready to go live with your Web Tool (skip to Step 7 in this section).

If, however, you plan to create your own customized label or modify the image returned in any way, you still have two more steps before going live.

Step 5: Submit Customized Labels for Certification (Customized Labels Only)

After creating your label (as described in the *Create Your Own Label* section), the certification process for your customized or modified labels requires the following:

1. Print ten of your customized (or modified) labels.

2. Complete the National Customer Support Center Customized Web Tools Label Submission form in the appendix of this guide. You can either print the form from this file and fill out with a pen, or copy the form to a Microsoft Word file and fill out electronically before printing and signing.
3. Mail the completed form, along with the ten labels, to the address on the form.

Questions about the label certification process may be directed to NCSC support staff at (800) 344-7779. Be sure to mention that you are a Web Tools customer.

Step 6: Receive Certification from the ICCC (Customized Labels Only)

Your labels will be reviewed within two business days. If the labels fail the certification test, you will be contacted. If the labels pass, you will be notified by the ICCC and you will be granted access to send XML transactions using your Live data.

Important:

Image or System Testing—Any remaining needs for testing your system should be carried out against the Sample Label on the production server.

Load Testing—If you need to carry out load testing of your system, you must use the test server URL and not the production server address. **Do not attempt to run load testing of our production server.** Contact the ICCC with Web Tools server capacity issues.

Step 7: Go Live with Your Web Tool

At this point, you have completed all testing and are now ready to send Live data. Follow the instructions provided in the *Run Live Data* sections for the Web Tool you are installing.



Note: The United States Postal Service expressly prohibits the use of Web Tools "scripting" without prior approval. Web Tools scripting can be defined as a technique to generate large volumes of Web Tools XML request transactions that are database- or batch-driven under program control, instead of being driven by individual user requests from a web site or a client software package. The USPS reserves the right to suspend server access without notification by any offending party that does not have prior approval for Web Tools scripting. Registered Web Tools customers that believe they have a legitimate requirement for Web Tools scripting should contact the ICCC to request approval.

1.2 User ID Restrictions

The user ID that you have received is 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 is not to be shared with others outside your organization, nor is it 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.

Warning: If the U.S. Postal Service discovers use of the same user ID 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 Tools User 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. It is your responsibility to ensure that your customers do not use your user ID for any purpose. Direct your customers to the [Web Tools website](#) to register, agree to the Terms and Conditions of Use agreement, and receive their own unique user ID.

Note to Software Distributors: The User ID restrictions discussed above are intended for online retailers that use the USPS Web Tools exclusively within their own web sites. If you plan to distribute software with the USPS Web Tools embedded, contact the ICCC for guidelines.

For more information regarding the USPS Web Tools user ID policy, or for questions regarding the distribution of documentation, send e-mail to uspstechsupport@esecurecare.net.

1.3 USPS Corporate Branding Guidelines

The U.S. Postal Service requests to be referenced and acknowledged as the source of information for all U.S. Postal Service data that has been acquired through the Internet and/or from other sources. However, this is not mandatory. The following guidelines should be followed for those that want to authenticate and/or validate the data displayed from the U.S. Postal Service.

1.3.1 Preferred Reference

Use one of the following when the USPS is the only referenced source:

- “Information provided by <http://www.usps.com/>.”

or

- Use the official USPS corporate logo or USPS product-specific logos.

Digital copies of USPS corporate trademarks/logos are available through the U.S. Postal Service, Public Policy and Communications Department, Washington, D.C. You can request the USPS corporate logo and/or product-specific logos by sending e-mail to ilogo@email.usps.gov.

Requests will be responded to by e-mail within 10 days. We will review your web site, and if appropriate, provide the logo for usage in accordance with the guidelines and the license grant contained in the Terms and Conditions of Use for Internet Shipping Application Program Interfaces (Web Tools). If your web page is not available over the Internet, please provide a screen shot of the page where the logo will reside.

When requesting logo(s) you must provide the following information:

- Company name.
- URL and page where logo will reside.
- Type of business.
- How and where the logo will be used.
- Contact name.
- Telephone number.

- E-mail address.
- Desired graphic format, e.g., GIF, TIF, JPEG, etc.
- Logo desired:
 - ____ USPS Corporate Eagle logo
 - ____ Priority Mail
 - ____ Express Mail
 - ____ Other (describe)

1.3.2 Alternative Reference

Use one of the following when the USPS is listed with other shipping carriers or web sites:

- United States Postal Service.
- U.S. Postal Service.
- U.S.P.S. (use period after each initial).

The above alternatives are listed in the order of United States Postal Service preference.

1.3.3 Trademark Ownership and Use

The USPS trademarks listed in the front of this guide and any logos requested from USPS Public Policy and Communications Department should not be altered or abbreviated.

USPS trademarks are trademarks owned solely and exclusively by USPS and may be used only in the form and manner, and with appropriate legends prescribed by USPS. All advertising and other uses of USPS trademarks must include a legend indicating that USPS trademarks are the property of USPS and that they are being used under license from USPS, together with any other legends or marking that may be required by law. Nothing contained in this document shall be deemed to convey any title or ownership interest to any user except for the nonexclusive rights granted under the Terms and Conditions of Use for Internet Shipping Application Program Interfaces and this document.

1.4 XML Overview

XML uses a hierarchical (tree) element structure. Each element consists of a start tag of the form <Name>, and an end tag of the form </Name>, between which can be data and other elements. <Name/> is shorthand for <Name></Name>, an element with no data. Attributes such as userid can be included in the start tag. **All data and attribute values in this document are for illustration purposes and are to be replaced by the actual values.** Developers must use the order and case for tag names of the sample code contained in this document. The tabs and carriage returns in the XML structures are for readability only; there is no need for white space in the actual code.

For more information about XML, browse the following web sites:

- [W3C web site](#)
- [XML.com web site](#)

1.5 Error Responses

Error conditions are handled at the main XML document level. When parsing, it is best to check for an error document first before checking for good data. Error documents have the following format:

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

Where:

- Number = the error number generated by the Web Tools server.
- Source = the component and interface that generated the error on the Web Tools 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.

If you need assistance with an error response, contact the ICCC.

1.6 Structure of this Guide

This document provides guidance and step-by-step instructions for installing the Delivery Confirmation Web Tools and fulfilling various administrative requirements. Two separate Web Tools generate a Delivery Confirmation number:

- The **Delivery Confirmation Label Web Tool** generates a label (and accompanying Customer Online Record), either with or without shipping addresses and information depending on the request. The label returned by the Web Tool is printed by the sender and attached to the package. This Web Tool can be used to create your own label if address cleansing or a full Postnet barcode is desired.
- The **Delivery Confirmation Barcode Number Web Tool** generates a Delivery Confirmation number that can be applied to user-generated labels. This Web Tool only returns the number. If you are exercising the option of generating your own customized label, and you do not desire address cleansing or a full Postnet barcode, use this Web Tool and not the Delivery Confirmation Label Web Tool.

Each Web Tool is described in its own section. The steps must be followed in the order presented. Whichever Web Tool you choose, you must test against our test server and, if you are printing your own customized label, you must have your barcode labels certified by the USPS before use.

2.0 Delivery Confirmation Overview


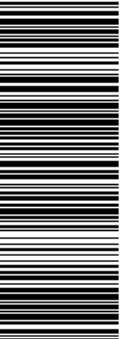
With Delivery Confirmation you (or your customers) can access information on the Internet about the delivery status of a package shipped via USPS. From your website or shipping application (using the Track/Confirm Web Tool), or from the [USPS website](#), you can check the delivery status of Delivery Confirmation packages shipped via Priority Mail, First-Class Mail parcel, and Package Services (Parcel Post, Media Mail, and Library Mail). The information returned will include the date, time, and ZIP Code of delivery, as well as attempted deliveries, forwarding, and returns (Delivery Confirmation service is not available to APO/FPO addresses, foreign countries, or most U.S. territories).

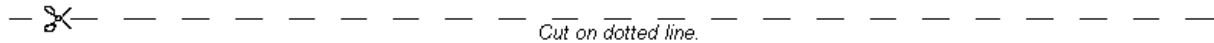
Postage is required on these labels, as well as the Confirmation Services charge (known as the “electronic option rate”) for Delivery Confirmation. This discounted “electronic option rate” for Confirmation Services must be added into the total postage amount affixed to these labels (by using stamps, meter strips, or other indicia). The Delivery Confirmation fee varies by different service and is significantly discounted. The current pricing can be found at [USPS.com](#).

2.1 Label Options

You have two label options when requesting Delivery Confirmation. Label Option 1 returns the complete label with the Customer Online Record. The following is a full-sized example of this option:

Delivery Confirmation Overview

P	USPS PRIORITY MAIL ®	JOHN SMITH U.S. POSTAL HEADQUARTERS 475 L'ENFANT PLAZA SW WASHINGTON DC 20260-0004 ADDRESS SERVICE REQUESTED SHIP TO: JOE CUSTOMER U.S. POSTAL SERVICE NCSC STE 201 6060 PRIMACY PKWY MEMPHIS TN 38188-0001 
ZIP - e/ USPS DELIVERY CONFIRM 		420 38188 9101 8052 1390 7105 0521 60 Electronic Rate Approved # 805213907




Cut on dotted line.

Instructions

1. Please use a laser or laser-quality printer.
2. Adhere shipping label to package with tape or glue - **DO NOT TAPE OVER BARCODE.** Be sure all edges are secure. Self-adhesive label is recommended.
3. Place label so it does not wrap around the edge of the package.
4. Affix Priority Mail service postage. There is no extra fee for Delivery Confirmation service.
5. Stamped packages weighing 16 ounces or more may not be placed in Postal Service collection boxes. For information on pickup options, go to the Pickup Page on www.usps.com.
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 the article and Online e-Label Record at a Post Office for postmark.

Online e-Label Record

Delivery Confirmation™ Service Number:	
9101 8052 1390 7105 0521 60	
Priority Mail® with electronic option	
Delivery Confirmation service*	
Print Date: 06/28/04	Ship Date:
Electronic Option Delivery Confirmation Service Fee: 0.00	
From: JOHN SMITH U.S. POSTAL HEADQUARTERS 475 L'ENFANT PLAZA SW WASHINGTON DC 20260-0004	
	USPS Postmark Here
To: JOE CUSTOMER U.S. POSTAL SERVICE NCSC STE 201 6060 PRIMACY PKWY MEMPHIS TN 38188-0001	
*Regular Priority Mail Service postage rates apply. There is no fee for Delivery Confirmation service on Priority Mail service with use of this electronic option shipping label. Delivery information is not available by phone for the electronic option.	


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

Delivery Confirmation Overview

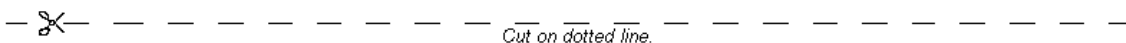
Users can elect to have the Delivery Confirmation label and Customer Online Record returned either together on the same page or separated and printed on two pages. The example below shows the Delivery Confirmation labels returned on two pages.

<div style="border: 1px solid black; padding: 5px;"> <div style="text-align: right; font-size: 2em; font-weight: bold; margin-bottom: 5px;">P</div> <div style="text-align: center; font-weight: bold; margin-bottom: 5px;">USPS PRIORITY MAIL®</div> <div style="font-size: 0.8em; margin-bottom: 5px;"> JOHN SMITH U.S. POSTAL HEADQUARTERS 475 LEBLANC BLVD, SW WASHINGTON DC 20260-0004 </div> <div style="font-size: 0.8em; margin-bottom: 5px;"> ADDRESS SERVICE REQUESTED </div> <div style="font-size: 0.8em; margin-bottom: 5px;"> SHIP TO: JOE CUSTOMER U.S. POSTAL SERVICE HCSC STE 201 6000 PRIMACY PKWY MEMPHIS TN 38188-0001 </div> <div style="font-size: 0.8em; margin-bottom: 5px;"> ZIP - ® USPS DELIVERY CONFIRM </div> <div style="text-align: center; margin-bottom: 5px;"> </div> <div style="font-size: 0.8em; margin-bottom: 5px;"> 420 38188 9101 8052 1390 7116 5379 23 </div> <div style="font-size: 0.8em;"> Electronic Rate Approved #805213907 </div> </div>	<div style="text-align: center; margin-bottom: 10px;"> Cut on dotted line. </div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top; padding: 5px;"> <p>Instructions</p> <ol style="list-style-type: none"> 1. Please use a laser or laser-quality printer. 2. Adhere shipping label to package with tape or glue - DO NOT TAPE OVER BARCODE. Be sure all edges are secure. Self-adhesive label is recommended. 3. Place label so it does not wrap around the edge of the package. 4. Affix Priority Mail service postage. There is no extra fee for Delivery Confirmation service. 5. Stamped packages weighing 16 ounces or more may not be placed in Postal Service collection boxes. For information on pickup options, go to the Pickup Page on www.usps.com. 6. Each shipping label number is unique and can be used only once - DO NOT PHOTOCOPIY. 7. Please use this shipping label on the "ship date" selected when you requested the label. 8. If a mailing receipt is required, present the article and Online e-Label Record at a Post Office for postmark. </td> <td style="width: 50%; vertical-align: top; padding: 5px;"> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p style="font-size: 0.8em; margin: 0;">Online e-Label Record</p> <p style="font-size: 0.8em; margin: 0;">Delivery Confirmation™ Service Number: 9101 8052 1390 7116 5379 23</p> <p style="font-size: 0.8em; margin: 0;">Priority Mail® with electronic option Delivery Confirmation service*</p> <p style="font-size: 0.8em; margin: 0;">Print Date: 06/08/04 Ship Date: Electronic Option Delivery Confirmation Service Fee: 0.00</p> <p style="font-size: 0.8em; margin: 0;">From: JOHN SMITH U.S. POSTAL HEADQUARTERS 475 LEBLANC BLVD, SW WASHINGTON DC 20260-0004</p> <p style="text-align: right; font-size: 0.8em; margin: 0;">USPS Postmark Here</p> <p style="font-size: 0.8em; margin: 0;">To: JOE CUSTOMER U.S. POSTAL SERVICE HCSC STE 201 6000 PRIMACY PKWY MEMPHIS TN 38188-0001</p> <p style="font-size: 0.7em; margin: 5px 0 0 0;">*Regular Priority Mail Service postage rates apply. There is no fee for Delivery Confirmation service on Priority Mail service with use of this electronic option shipping label. Delivery information is not available by phone for the electronic option.</p> </div> </td> </tr> </table> <div style="text-align: center; margin-top: 10px; font-size: 0.8em;"> UNITED STATES POSTAL SERVICE </div> <p style="text-align: center; font-size: 0.8em; margin-top: 5px;"> <i>Thank you for shipping with the United States Postal Service!</i> Check the status of your shipment on the Track & Confirm page at www.usps.com </p>	<p>Instructions</p> <ol style="list-style-type: none"> 1. Please use a laser or laser-quality printer. 2. Adhere shipping label to package with tape or glue - DO NOT TAPE OVER BARCODE. Be sure all edges are secure. Self-adhesive label is recommended. 3. Place label so it does not wrap around the edge of the package. 4. Affix Priority Mail service postage. There is no extra fee for Delivery Confirmation service. 5. Stamped packages weighing 16 ounces or more may not be placed in Postal Service collection boxes. For information on pickup options, go to the Pickup Page on www.usps.com. 6. Each shipping label number is unique and can be used only once - DO NOT PHOTOCOPIY. 7. Please use this shipping label on the "ship date" selected when you requested the label. 8. If a mailing receipt is required, present the article and Online e-Label Record at a Post Office for postmark. 	<div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p style="font-size: 0.8em; margin: 0;">Online e-Label Record</p> <p style="font-size: 0.8em; margin: 0;">Delivery Confirmation™ Service Number: 9101 8052 1390 7116 5379 23</p> <p style="font-size: 0.8em; margin: 0;">Priority Mail® with electronic option Delivery Confirmation service*</p> <p style="font-size: 0.8em; margin: 0;">Print Date: 06/08/04 Ship Date: Electronic Option Delivery Confirmation Service Fee: 0.00</p> <p style="font-size: 0.8em; margin: 0;">From: JOHN SMITH U.S. POSTAL HEADQUARTERS 475 LEBLANC BLVD, SW WASHINGTON DC 20260-0004</p> <p style="text-align: right; font-size: 0.8em; margin: 0;">USPS Postmark Here</p> <p style="font-size: 0.8em; margin: 0;">To: JOE CUSTOMER U.S. POSTAL SERVICE HCSC STE 201 6000 PRIMACY PKWY MEMPHIS TN 38188-0001</p> <p style="font-size: 0.7em; margin: 5px 0 0 0;">*Regular Priority Mail Service postage rates apply. There is no fee for Delivery Confirmation service on Priority Mail service with use of this electronic option shipping label. Delivery information is not available by phone for the electronic option.</p> </div>
<p>Instructions</p> <ol style="list-style-type: none"> 1. Please use a laser or laser-quality printer. 2. Adhere shipping label to package with tape or glue - DO NOT TAPE OVER BARCODE. Be sure all edges are secure. Self-adhesive label is recommended. 3. Place label so it does not wrap around the edge of the package. 4. Affix Priority Mail service postage. There is no extra fee for Delivery Confirmation service. 5. Stamped packages weighing 16 ounces or more may not be placed in Postal Service collection boxes. For information on pickup options, go to the Pickup Page on www.usps.com. 6. Each shipping label number is unique and can be used only once - DO NOT PHOTOCOPIY. 7. Please use this shipping label on the "ship date" selected when you requested the label. 8. If a mailing receipt is required, present the article and Online e-Label Record at a Post Office for postmark. 	<div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p style="font-size: 0.8em; margin: 0;">Online e-Label Record</p> <p style="font-size: 0.8em; margin: 0;">Delivery Confirmation™ Service Number: 9101 8052 1390 7116 5379 23</p> <p style="font-size: 0.8em; margin: 0;">Priority Mail® with electronic option Delivery Confirmation service*</p> <p style="font-size: 0.8em; margin: 0;">Print Date: 06/08/04 Ship Date: Electronic Option Delivery Confirmation Service Fee: 0.00</p> <p style="font-size: 0.8em; margin: 0;">From: JOHN SMITH U.S. POSTAL HEADQUARTERS 475 LEBLANC BLVD, SW WASHINGTON DC 20260-0004</p> <p style="text-align: right; font-size: 0.8em; margin: 0;">USPS Postmark Here</p> <p style="font-size: 0.8em; margin: 0;">To: JOE CUSTOMER U.S. POSTAL SERVICE HCSC STE 201 6000 PRIMACY PKWY MEMPHIS TN 38188-0001</p> <p style="font-size: 0.7em; margin: 5px 0 0 0;">*Regular Priority Mail Service postage rates apply. There is no fee for Delivery Confirmation service on Priority Mail service with use of this electronic option shipping label. Delivery information is not available by phone for the electronic option.</p> </div>		

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

Delivery Confirmation Overview

Label Option 2 returns a barcode and Package ID Code (PIC) number without the return and delivery name and address. This option is convenient for shippers who already have mailing labels and just want the Delivery Confirmation label. Below is a full-sized example of this option:



Instructions

1. Please use a laser or laser-quality printer.
2. Adhere shipping label to package with tape or glue - **DO NOT TAPE OVER BARCODE**. Be sure all edges are secure. Self-adhesive label is recommended.
3. Place label so it does not wrap around the edge of the package.
4. Affix Priority Mail service postage. There is no extra fee for Delivery Confirmation service.
5. Stamped packages weighing 16 ounces or more may not be placed in Postal Service collection boxes. For information on pickup options, go to the Pickup Page on www.usps.com.
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 the article and Online e-Label Record at a Post Office for postmark.

Online e-Label Record

Delivery Confirmation™ Service Number:
9101 8052 1390 7126 0236 82
Priority Mail® with electronic option
Delivery Confirmation service*
Print Date: 06/28/04 Ship Date:
Electronic Option Delivery Confirmation Service Fee: 0.00

From: JOHN SMITH
U.S. POSTAL HEADQUARTERS
475 L'ENFANT PLAZA, SW
WASHINGTON DC 20260-0004

To: JOE CUSTOMER
U.S. POSTAL SERVICE NCSC
STE 201
6060 PRIMACY PKWY
MEMPHIS TN 38188-0001

USPS
Postmark
Here

*Regular Priority Mail Service postage rates apply. There is no fee for Delivery Confirmation service on Priority Mail service with use of this electronic option shipping label. Delivery information is not available by phone for the electronic option.

 **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

2.2 Basic Standards and Classes of Mail

[Section 503 in the USPS Domestic Mail Manual](#) describes the basic standards of Delivery Confirmation, the classes of mail that may include this service, and the retail and electronic delivery options.

2.3 First-Class Mail Parcels

For the purposes of adding Delivery Confirmation service, a First-Class Mail parcel is defined as any piece that:

- Package has an address side with enough surface area to fit the delivery address, return address, postage, markings and endorsements, and special service label.
- Package is in a box or, if not in a box, is greater than $\frac{3}{4}$ inches at its thickest point.

2.4 Aviation Mail Security & Hazardous Materials

The Aviation Mail Security and Hazardous Materials Programs represent the U.S. Postal Service's commitment to provide a safe environment for our customers, employees, and the traveling public.

The U.S. Postal Service has taken a proactive role in the areas of aviation mail security and hazardous materials acceptance, handling, and transport for many years. Training has been provided to our employees, supervisors, and managers. Each year these programs are modified to meet increased challenges through improved technology. Our multi-phased programs are in effect 365 days a year, 24 hours a day. The particulars of our programs are withheld for security reasons. However, complying with the following restrictions will assist us in securing a safe mailing environment for all of us:

- Priority Mail envelopes or packages weighing 13 ounces or over with adhesive postage stamps cannot be deposited at unattended receptacles such as collection boxes and lobby drops. These mail pieces must be taken to your nearest USPS retail unit or may be given to your carrier if you are a known customer to him/her and have included your return address. Refer to [Domestic Mail Manual, Deposit for Priority Mail](#).
- International Mail envelopes or packages weighing 13 ounces or over with adhesive postage stamps or customer applied postage meter strips cannot be deposited at unattended mail receptacles such as collection boxes and lobby drops. These mail pieces must be taken to your nearest USPS retail unit or may be given to your carrier if you are a known customer and have included your return address along with a completed, signed, and dated PS Form 2976 or 2976-A. Refer to [International Mail Manual](#).

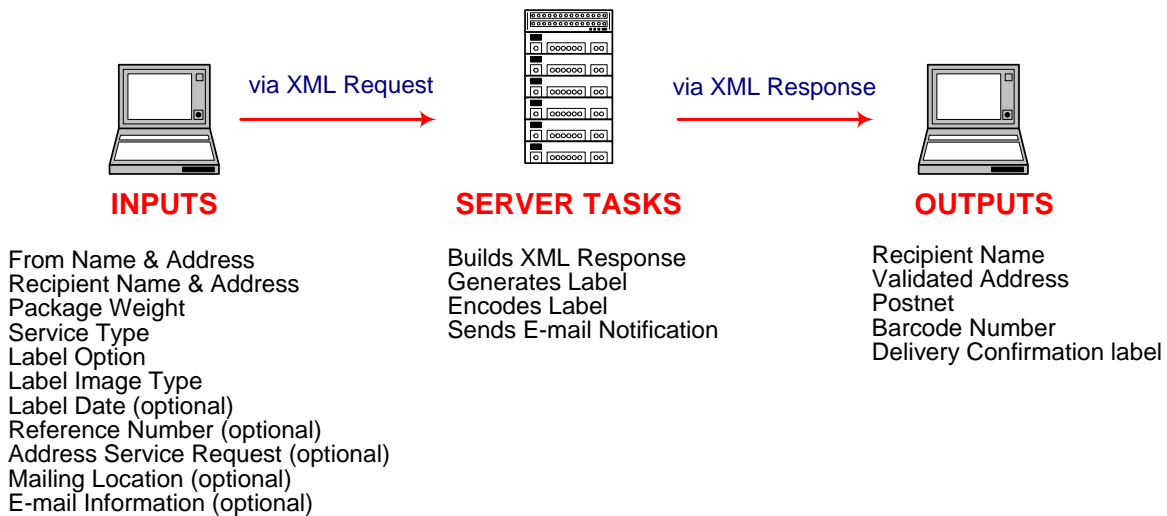
3.0 Delivery Confirmation Label Web Tool

The Delivery Confirmation Label Web Tool generates a label and accompanying Customer Online Record, either with or without shipping addresses and information, depending on the request. The label returned by the Web Tool is printed by the sender and attached to the package. This Web Tool can be used to create your own label if address cleansing or a full Postnet barcode is desired.

3.1 Delivery Confirmation Label Web Tool Transaction Procedures

The illustration below shows the transactional flow of information to and from the USPS Delivery Confirmation Label Web Tools server:

Delivery Confirmation Label Web Tool Server



3.2 Run Scripted Test

Step 1: Build the XML Request

For testing purposes, the only value in the test code in this section that you should change is the user ID. Enter the user ID you received in the registration e-mail for testing. **All remaining code in the test scripts provided below must remain unchanged.**

Testing URL

To make test calls to the Delivery Confirmation Label server, use the Testing URL provided in the registration e-mail.

Scripted Test Requests

There are two test requests included in this procedure. All of the test script code contained in this document can be cut and pasted for your use in testing the software. Be sure to note the request numbers so you can match up the responses you will receive as provided in the *Successful Test Responses* section.

Test Request #1

(Note: Be sure to enter the <ToZip5> tag line exactly as presented below.)

```
<DeliveryConfirmationV3.0Request USERID="xxxx">
  <Option>1</Option>
  <ImageParameters />
  <FromName>John Smith</FromName>
  <FromFirm />
  <FromAddress1 />
  <FromAddress2>475 L'Enfant Plaza, SW</FromAddress2>
  <FromCity>Washington</FromCity>
  <FromState>DC</FromState>
  <FromZip5>20260</FromZip5>
  <FromZip4 />
  <ToName>Joe Customer</ToName>
  <ToFirm />
  <ToAddress1>STE 201</ToAddress1>
  <ToAddress2>6060 PRIMACY PKWY</ToAddress2>
  <ToCity>MEMPHIS</ToCity>
  <ToState>TN</ToState>
  <ToZip5 />
  <ToZip4 />
  <WeightInOunces>2</WeightInOunces>
  <ServiceType>Priority</ServiceType>
  <POZipCode />
  <ImageType>TIF</ImageType>
  <LabelDate />
</DeliveryConfirmationV3.0Request>
```

Test Request #2

(Note: Be sure to enter the <ToZip5> tag line exactly as presented below.)

```
<DeliveryConfirmationV3.0Request USERID="xxxx">
  <Option>1</Option>
  <ImageParameters />
  <FromName>John Smith</FromName>
  <FromFirm>U.S. Postal Headquarters</FromFirm>
  <FromAddress1 />
  <FromAddress2>475 L'Enfant Plaza, SW</FromAddress2>
  <FromCity>Washington</FromCity>
  <FromState>DC</FromState>
  <FromZip5>20260</FromZip5>
```

```
<FromZip4>0004</FromZip4>
<ToName>Joe Customer</ToName>
<ToFirm>U.S. Postal Service NCSC</ToFirm>
<ToAddress1>STE 201</ToAddress1>
<ToAddress2>6060 PRIMACY PKWY</ToAddress2>
<ToCity>MEMPHIS</ToCity>
<ToState>TN</ToState>
<ToZip5>38119</ToZip5>
<ToZip4>5718</ToZip4>
<WeightInOunces>2</WeightInOunces>
<ServiceType>Priority</ServiceType>
<POZipCode>20260</POZipCode>
<ImageType>TIF</ImageType>
<LabelDate>07/08/2004</LabelDate>
<CustomerRefNo>A45-3928</CustomerRefNo>
<AddressServiceRequested>TRUE</AddressServiceRequested>
</DeliveryConfirmationV3.0Request>
```

Step 2: Make the Internet Connection & Send the XML Request

This step involves four separate functions:

1. Making the connection to the USPS Shipping Web Tools server.
2. Sending the request (whether Visual Basic, Perl, ASP, or any other language).
3. Receiving the response from the Web Tools server.
4. Closing the Internet connection.

The Delivery Confirmation Label Web Tool requires the use of SSL. If you have recently registered, the registration e-mail will have the name of the server. If you are an existing user and do not have the name of the server please contact the ICC. When sending the XML request, the Web Tool name must be specified. The server name can be found in your Web Tools registration e-mail. The Web Tool name is DeliveryConfirmationV3. The format of the XML transaction is:

```
https://servername/ShippingAPITest.dll?API=DeliveryConfirmationV
3&XML=<DeliveryConfirmationV3.0Request USERID="username">
.....</DeliveryConfirmationV3.0Request>
```

NOTE: *Delivery Confirmation information has personal information. This requires a secure connection.*

Step 3: Unpack the XML Response

When the USPS Shipping Web Tools returns a response, it will either return a successful response document or an error document.

Successful Test Responses

For your test to be successful, the following responses to the scripted test requests should be returned *verbatim*.

Response to Test Request #1

```
<DeliveryConfirmationV3.0Response>
  <DeliveryConfirmationNumber>
    420381199101805213907126809651
  </DeliveryConfirmationNumber>
  <DeliveryConfirmationLabel>SUkqAAgAAAASAP4ABAABAAAAAAAAAAAAAB
  BAABAAAAMAMAAAEBBAABAAAIAQAAAIBioPDCtgmjqOOiorn4z/qj/pw1Ic
  /SjqOtxdsVNT/flQcFRWH67pmHBPHUcQx8eOo
  ... (more data here)...
  a4NArRyXtWX9EREREREREREREREbEQERERJURERERERERERERERERERERE
  hHhEREREREREElRERExNCPX28dERH////////8PgAAIAA==
  </DeliveryConfirmationLabel>
  <ToName>Joe Customer</ToName>
  <ToFirm />
  <ToAddress1>STE 201</ToAddress1>
  <ToAddress2>6060 PRIMACY PKWY</ToAddress2>
  <ToCity>Memphis</ToCity>
  <ToState>TN</ToState>
  <ToZip5>38119</ToZip5>
  <ToZip4>5718</ToZip4>
  <Postnet>38119571851</Postnet>
</DeliveryConfirmationV3.0Response>
```

Response to Test Request #2

```
<DeliveryConfirmationV3.0Response>
  <DeliveryConfirmationNumber>
    420381199101805213907116323891
  </DeliveryConfirmationNumber>
  <DeliveryConfirmationLabel>SUkqAAgAAAASAP4ABAABAAAAAAAAAAAAAB
  BAABAAAAMAMAAAEBBAABAAAIAQAAAIB //OS6DiO+W
  ... (more data here)...
  QcT367o2CNTKcVlb1h8ERERERERERERERERCxEREVFCRERERERERERERERER
  ERJQQEeIRERERERERERUUJEREQM/fj11hER8f////////wAIgAAA
  </DeliveryConfirmationLabel>
  <ToName>Joe Customer</ToName>
  <ToFirm>U.S. Postal Service NCSC</ToFirm>
  <ToAddress1>STE 201</ToAddress1>
  <ToAddress2>6060 PRIMACY PKWY</ToAddress2>
  <ToCity>MEMPHIS</ToCity>
  <ToState>TN</ToState>
  <ToZip5>38119</ToZip5>
  <ToZip4>5718</ToZip4>
```

```
<Postnet>38119571851</Postnet>
</DeliveryConfirmationV3.0Response>
```

Scripted Test Error Responses

If any values were changed in your request, the following is an example of an error that can occur. The following error shows an example of using Test #2 with an invalid state value.

```
<Error>
  <Number>-2147217985</Number>
  <Source>DC_Respond;solserverconfrmtest.DC_Respond</Source>
  <Description>Invalid value for State in To
  Address.</Description>
  <HelpFile></HelpFile>
  <HelpContext>1000440</HelpContext>
</Error>
```

Although the input may be valid, the response will still raise this error, because those particular values have not been included in this test server. Refer to the *Error Responses* section for an explanation of any other returned errors.

Upon successful completion of the scripted test phase, call the ICCC. The ICCC will verify your test results and provide you with privileges necessary to proceed to the next step—running Sample requests.

3.3 Run Sample Requests

Step 1: Build the XML Request

Upon your receipt of permission to connect to the production server, you will be allowed to create actual “live” labels. However, should you need to conduct system testing you must only do so using the Sample tag <DelivConfirmCertifyV3.0Request....>

Sample Label XML Tags

The table below presents the XML input tags for generating Sample Label 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 Web Tool 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.

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. Remember 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>
```

Delivery Confirmation Label Web Tool

In this instance, you will replace “Joe Smith” with the name of the person sending the package when making your request.

XML Tag	Required/ Optional	Description & Values Allowed
<DelivConfirmCertifyV3.0Request...	Required	Notifies Web Tool that request for Sample Label is being sent. Input tag exactly as presented.
...USERID="userid">	Required	Use user ID provided with registration.

e.g., <DelivConfirmCertifyV3.0Request USERID="yourID">

Tags within the above defined call are as follows:

XML Tag	Required/ Optional	Description & Values Allowed
<Option>	Required Tag/ Required Value	Designates desired label option (see Label Options section, above). Enter one of the valid entries: “1” for Label Option # 1 “2” for Label Option # 2 For example: <Option>1</Option>
<ImageParameters>	Required Tag/ No Value	This tag is for future use. The tag is required, but there is no value to enter. For example: <ImageParameters></ImageParameters>
<FromName>	Required Tag/ Required Value	Name of sender. Maximum characters allowed: 32 For example: <FromName>Joe Smith</FromName>
<FromFirm>	Required Tag/ Value Optional	Company name. Maximum characters allowed: 32 For example: <FromFirm>ABC Corp.</FromFirm>
<FromAddress1>	Required Tag/ Value Optional	From address line 1. Use this tag for an apartment or suite number. This tag is required but the value is optional. Maximum characters allowed: 32 For example: <FromAddress1>Apt. 3C</FromAddress1>
<FromAddress2>	Required Tag/ Required Value	From address line 2. Maximum characters allowed: 32 For example: <FromAddress2>6406 Ivy Lane</FromAddress2>
<FromCity>	Required Tag/ Required Value	From city. Maximum characters allowed: 21 For example: <FromCity>Greenbelt</FromCity>
<FromState>	Required Tag/ Required Value	From state. Maximum characters allowed: 2 For example: <FromState>MD</FromState>
<FromZip5>	Required Tag/ Required Value	From ZIP Code. Input tag exactly as presented, not all caps. Maximum characters allowed: 5 Must be a valid ZIP5 code. For example: <FromZip5>20770</FromZip5>
<FromZip4>	Required	From ZIP Code+4. Input tag exactly as presented.

Delivery Confirmation Label Web Tool

XML Tag	Required/ Optional	Description & Values Allowed
	Tag/ Value Optional	This tag is required but the value is optional. Maximum characters allowed: 4 For example: <FromZip4>1234</FromZip4>
<ToName>	Required Tag/ Required Value	Name of package recipient. Maximum characters allowed: 38 For example: <ToName>Tom Collins</ToName>
<ToFirm>	Required Tag/ Value Optional	Company name of recipient. Maximum characters allowed: 38 For example: <ToFirm>XYZ Corp</ToFirm>
<ToAddress1>	Required Tag/ Value Optional	Recipient address line 1. Use this tag for an apartment or suite number. Maximum characters allowed: 38 For example: <ToAddress1>Suite 4D</ToAddress1>
<ToAddress2>	Required Tag/ Required Value	Recipient address line 2. Must be a valid address. Maximum characters allowed: 38 For example: <ToAddress2>8 Wildwood Dr</ToAddress2> You must have <ToAddress2> with <ToCity> and <ToState> OR <ToAddress2> with <ToZip5>. One of these combinations is required.
<ToCity>	Required Tag/ Required Value (see box at right)	Recipient city. Must be a valid address. Maximum characters allowed: 21 For example: <ToCity>Old Lyme</ToCity> You must have <ToAddress2> with <ToCity> and <ToState> OR <ToAddress2> with <ToZip5>. One of these combinations is required.
<ToState>	Required Tag/ Required Value (see box at right)	Recipient state. Must be a valid address. Maximum characters allowed: 2 For example: <ToState>CT</ToState> You must have <ToAddress2> with <ToCity> and <ToState> OR <ToAddress2> with <ToZip5>. One of these combinations is required.
<ToZip5>	Required Tag/ Required Value (see box at right)	Recipient ZIP Code. Must be a valid ZIP code. Input tag exactly as presented. Maximum characters allowed: 5 For example: <ToZip5>06371</ToZip5> You must have <ToAddress2> with <ToCity> and <ToState> OR <ToAddress2> with <ToZip5>. One of these combinations is required.
<ToZip4>	Required Tag/ Value Optional	Recipient ZIP Code+4. Input tag exactly as presented, not all caps. Maximum characters allowed: 4 For example: <ToZip4>5678</ToZip4>
<WeightInOunces>	Required Tag/ Value Optional	Package weight. Value must be numeric. Estimated weight is allowed. For example: <WeightInOunces>32</WeightInOunces>
<ServiceType>	Required Tag/ Required Value	Mail service type desired. Enter one of the valid entries: "Priority" (for Priority Mail) "First Class" (see below for definition)

Delivery Confirmation Label Web Tool

XML Tag	Required/ Optional	Description & Values Allowed
		"Parcel Post" "Media Mail" "Library Mail" For example: <ServiceType>Priority</ServiceType>
<SeparateReceiptPage>	Optional Tag/ Value Optional	This tag passes a True or False value to the Web Tools servers, allowing the shipping label and online customer record to be printed on 2 separate pages (when true). Enter "True" if you want the shipping label and online customer record printed on 2 separate pages or "False" if you want them printed on the same single page. False is assumed if no value is entered. For example: <SeparateReceiptPage>TRUE</SeparateReceiptPage>
<POZipCode>	Optional Tag/ Value Optional	When the ZIP Code of a collection point for a given package is different from the Zip Code of the person mailing the package (their return address), this tag must be used to convey this difference to the USPS. Enter the ZIP Code of the post office or collection box where the item is mailed. May be different than <From ZIP Code>. For example: <POZipCode>20770</POZipCode>
<ImageType>	Required Tag/ Required Value	The type label image desired. Enter one of the valid entries: "TIF" "PDF" "None" Enter "None" if you are creating your own label; the Delivery Confirmation number must be used on custom labels. For example: <ImageType>TIF</ImageType>
<LabelDate>	Optional Tag/ Value Optional	This tag allows the end-user to post-date the Delivery Confirmation label up to four days in advance. The package should not be shipped until the label date requested. On this date the USPS will send a manifest to the PTS, which is the USPS national tracking and delivery confirmation system. Enter the date in either format: dd-mmm-yyyy, such as 10-Jan-2006, or dd/mm/yyyy, such as 10/01/2006. For example: <LabelDate>10/01/2006</LabelDate>
<CustomerRefNo>	Optional Tag/ Value Optional	If you need to cross-reference information about a shipment using your own tracking or inventory systems, use this tag. This string will be included in the daily manifest sent to the PTS system. If you are using the client DUNS number described in the Appendix, Delivery Confirmation PTS Tracking System Extract File Retrieval, the extract file you receive will include the information you entered in this tag. The string you enter appears only in the manifest data, not on the label. Any combination of alpha and numeric

Delivery Confirmation Label Web Tool

XML Tag	Required/ Optional	Description & Values Allowed
		characters can be entered, up to a maximum of 30. For example: <CustomerRefNo>123456</CustomerRefNo>
<AddressServiceRequested>	Optional Tag/ Value Optional	You can request the USPS to alert you when a customer changes their address. This feature is especially useful to ensure correct billing. The words "Address Service Requested" will appear on the shipping label immediately below the return address. This service is not available with Label Option 2. By using this tag, you will receive the following service with Priority Mail: For 12 months after an address change, the mailpiece is forwarded at no charge. However, a separate notice of the new address is returned to you and an address correction fee is charged. For months 13-18 after an address change, the mailpiece is returned with the new address attached at no charge. After 18 months, or if undeliverable, the mailpiece is returned with the reason for nondelivery attached at no charge. Enter "True" or "False." False is assumed if no value is entered. For fees for this service with Package Services, refer to the Domestic Mail Manual section 507 . For example: <AddressServiceRequested>TRUE </AddressServiceRequested>
<SenderName>	Optional Tag/ Value Optional	The name of the person or company sending the e-mail. Note: No e-mail is returned when generating a Sample Label request. For example: <SenderName>John Smith</SenderName>
<SenderEMail>	Optional Tag/ Value Optional	E-mail address of sender. Valid e-mail addresses must be used. Note: No e-mail is returned when generating a Sample Label request. For example: <SenderEMail>John.Smith@abc.com</SenderEMail>
<RecipientName>	Optional Tag/ Value Optional	The name of the person or company receiving the e-mail. Note: No e-mail is returned when generating a Sample Label request. For example: <RecipientName>Mary Jones</RecipientName>
<RecipientEMail>	Optional Tag/ Value Optional	E-mail address of recipient. Valid e-mail addresses must be used. Note: No e-mail is returned when generating a Sample Label request. For example: <RecipientEMail>MaryJ@xyz.org</RecipientEMail>

Sample Label URL

To gain access all users, including those registered for previous Web Tools use, must contact the ICCC for the URL to send Sample requests. The ICCC will send the URL via e-mail.

Sample Label XML Request Example

The Sample Label XML request should be in the following form and sequence:

```
<DelivConfirmCertifyV3.0Request USERID="xxxxxx">
  <Option>1</Option>
  <ImageParameters></ImageParameters>
  <FromName>Joe Smith</FromName>
  <FromFirm>ABC Corp.</FromFirm>
  <FromAddress1>Apt. 3C</FromAddress1>
  <FromAddress2>6406 Ivy Lane</FromAddress2>
  <FromCity>Greenbelt</FromCity>
  <FromState>MD</FromState>
  <FromZip5>20770</FromZip5>
  <FromZip4>1234</FromZip4>
  <ToName>Tom Collins</ToName>
  <ToFirm>XYZ Corp.</ToFirm>
  <ToAddress1>Suite 4D</ToAddress1>
  <ToAddress2>8 Wildwood Drive</ToAddress2>
  <ToCity>Old Lyme</ToCity>
  <ToState>CT</ToState>
  <ToZip5>06371</ToZip5>
  <ToZip4></ToZip4>
  <WeightInOunces>32</WeightInOunces>
  <ServiceType>Priority</ServiceType>
  <SeparateReceiptPage></SeparateReceiptPage>
  <POZipCode></POZipCode>
  <ImageType>TIF</ImageType>
  <LabelDate></LabelDate>
  <CustomerRefNo></CustomerRefNo>
  <AddressServiceRequested></AddressServiceRequested>
  <SenderName></SenderName>
  <SenderEMail></SenderEMail>
  <RecipientName></RecipientName>
  <RecipientEMail></RecipientEMail>
</DelivConfirmCertifyV3.0Request>
```

Step 2: Make the Internet Connection & Send the XML Request

These steps involve four separate functions:

1. Making the connection to the USPS Web Tool server.
2. Sending the request (whether Visual Basic, Perl, ASP, or any other language).

3. Receiving the response from the Web Tool server.
4. Closing the Internet connection.

The Delivery Confirmation Label Web Tool requires the use of SSL. If you have recently registered, the registration e-mail will have the name of the server. If you are an existing user and do not have the name of the server please contact the ICCC. When sending the XML request, the Web Tool name must be specified. The server name can be found in your Web Tools registration e-mail. The Web Tool name is DelivConfirmCertifyV3. The format of the XML transaction is:

```
https://servername/ShippingAPI.dll?API=DelivConfirmCertifyV3&XML
=<DelivConfirmCertifyV3.0Request USERID="username">.....
</DelivConfirmCertifyV3.0Request>
```

Step 3: Unpack the XML Response

When the USPS Shipping Web Tools returns a response, it will either return a successful response document or an error document.

XML Output from Unpacked Response

After unpacking the XML response, you will have the output from your request—an XML response with the following tags:

Output	XML Tag
Type of Response	<DelivConfirmCertifyV3.0Response>
Delivery Confirmation ID Number (PIC #)	<DeliveryConfirmationNumber>
Delivery Confirmation Label	<DeliveryConfirmationLabel>
Delivery Confirmation Customer Online Record*	<DeliveryConfirmationReceipt>
Name of package recipient	<ToName>
Validated Company name of recipient	<ToFirm>
Validated Recipient address line 1	<ToAddress1>
Validated Recipient address line 2	<ToAddress2>
Validated Recipient city	<ToCity>
Validated Recipient state	<ToState>
Validated Recipient ZIP Code	<ToZip5>
Validated Recipient ZIP Code+4	<ToZip4>
Postnet	<Postnet>

*The Web Tool returns this tag only if the <SeparateReceiptPage> tag was set to “True” in the request. Otherwise the Customer Online Record is contained within the label image and the <DeliveryConfirmationReceipt> tag is NOT present in the response.

If an error message is returned, refer to the *Error Responses* section for an explanation.

Sample Label XML Response

```
<DelivConfirmCertifyV3.0Response>
  <DeliveryConfirmationNumber>
    420063719101805213907000153702
  </DeliveryConfirmationNumber>
  <DeliveryConfirmationLabel>
```

```
SUkqAAgAAAASAP4ABAABAAAAAAAAAAAAAAAAABBAABAAAAvAIAAAEBBAABAAAAkAE
AAAIbAwABAAAAAQAAAAMBawABAAAAABAAAAAYBAwABAAAAAAAAAAAAoBawABAA
AAAgAAABEBBAAAA////////+5D9gC43ML+v////////v/fJev/t9/f//f//+H
iCuI+K/jf4j4/2F8/V9DxP///3
. .(more data here) . .
</DeliveryConfirmationLabel>
<ToName>Tom Collins</ToName>
<ToFirm>XYZ CORP.</ToFirm>
<ToAddress1>4D</ToAddress1>
<ToAddress2>8 WILDWOOD DR</ToAddress2>
<ToCity>OLD LYME</ToCity>
<ToState>CT</ToState>
<ToZip5>06371</ToZip5>
<ToZip4>1844</ToZip4>
<Postnet>06371184408</Postnet>
</DelivConfirmCertifyV3.0Response>
```

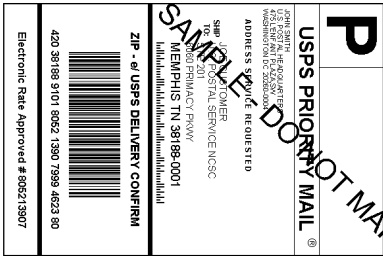
Decoded Sample Labels

The image returned is Base64-encoded in PDF or TIF format, according to your request (<ImageType>). It must be decoded before use. For additional information on Base64-encoding and decoding, consult the following working group web sites: [Network Working Group Section 4.3.2.4](#) and [Network Working Group Section 6.8](#).

Important: When printing PDF files with barcodes, be sure that the “Fit to Page” option in the print dialogue box of Adobe Acrobat is **unchecked**.

Depending on the <Option> included in the request, your output will return one of the following labels. After decoding, the Sample Label should look like Label Option 1 (left) or Label Option 2 (right).

Delivery Confirmation Label Web Tool



Cut on dotted line

Instructions

- Please use a laser or laser-quality printer.
- Adhere shipping label to package with tape or glue - **DO NOT TAPE OVER BARCODE**. Be sure all edges are secure. Self-adhesive label is recommended.
- Place label so it does not wrap around the edge of the package.
- Affix Priority Mail service postage. There is no extra fee for Delivery Confirmation service.
- Stamped packages weighing 16 ounces or more may not be placed in Postal Service collection boxes. For information on pickup options, go to the Pickup Page on www.usps.com.
- 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 the article and Online e-Label Record at a Post Office for postmark.

Online e-Label Record

Delivery Confirmation™ Service Number: 9101 8052 1390 7999 4623
 Priority Mail® with electronic option
 Delivery Confirmation service*
 Print Date: 06/24/04 Ship Date: 0000
 Electronic Option Delivery Confirmation Fee: 0.00

From: JOHN SMITH
 U.S. POSTAL HEADQUARTERS
 475 LEBANON BLVD
 WASHINGTON DC 20540 USPS Postmark Here

To: JOE CUSTOMER
 U.S. POSTAL SERVICE INC SC
 475 LEBANON BLVD
 MEMPHIS TN 38188-0001

*Regular Priority Mail Service postage rates apply. There is no fee for Delivery Confirmation service on Priority Mail service with use of this electronic option shipping label. Delivery information is not available by phone for the electronic option.

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

Cut on dotted line

Instructions

- Please use a laser or laser-quality printer.
- Adhere shipping label to package with tape or glue - **DO NOT TAPE OVER BARCODE**. Be sure all edges are secure. Self-adhesive label is recommended.
- Place label so it does not wrap around the edge of the package.
- Affix Priority Mail service postage. There is no extra fee for Delivery Confirmation service.
- Stamped packages weighing 16 ounces or more may not be placed in Postal Service collection boxes. For information on pickup options, go to the Pickup Page on www.usps.com.
- 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 the article and Online e-Label Record at a Post Office for postmark.

Online e-Label Record

Delivery Confirmation™ Service Number: 9101 8052 1390 7842 1759
 Priority Mail® with electronic option
 Delivery Confirmation service*
 Print Date: 06/24/04 Ship Date: 0000
 Electronic Option Delivery Confirmation Fee: 0.00

From: JOHN SMITH
 U.S. POSTAL HEADQUARTERS
 475 LEBANON BLVD
 WASHINGTON DC 20540 USPS Postmark Here

To: JOE CUSTOMER
 U.S. POSTAL SERVICE INC SC
 475 LEBANON BLVD
 MEMPHIS TN 38188-0001

*Regular Priority Mail Service postage rates apply. There is no fee for Delivery Confirmation service on Priority Mail service with use of this electronic option shipping label. Delivery information is not available by phone for the electronic option.

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 images above are not to scale.)

Upon successful completion of the Sample label phase, call the ICCC. If you plan to use the labels returned by the Web Tool, the ICCC will then provide you with privileges necessary to send and receive Live data.

3.4 Run Live Data

Step 1: Build the XML Request

Live XML Tags

The table below presents the XML input tags for generating 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 Web Tool 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 a correct response.

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. Remember 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:

```
<FirmName>ABC Corp</FirmName>
```

Delivery Confirmation Label Web Tool

In this instance, you will replace “ABC Corp.” with the name of the company sending the package when making your request.

XML Tag	Required/ Optional	Description & Values Allowed
<DeliveryConfirmationV3.0Request...	Required	Notifies Web Tool that a request for a Live Label is being sent. Input tag exactly as presented.
...USERID="userid">	Required	Use user ID provided with registration.

e.g., <DeliveryConfirmationV3.0Request UserID="yourID">

Tags within the above defined call are as follows:

XML Tag	Required/ Optional	Description & Values Allowed
<Option>	Required Tag/ Required Value	Designates desired label option (see Label Options section, above). Enter one of the valid entries: “1” for Label Option # 1 “2” for Label Option # 2 For example: <Option>1</Option>
<ImageParameters>	Required Tag/ No Value	This tag is for future use. The tag is required, but there is no value to enter. For example: <ImageParameters></ImageParameters>
<FromName>	Required Tag/ Required Value	Name of sender. Maximum characters allowed: 32 For example: <FromName>Joe Smith</FromName>
<FromFirm>	Required Tag/ Value Optional	Company name. Maximum characters allowed: 32 For example: <FromFirm>ABC Corp.</FromFirm>
<FromAddress1>	Required Tag/ Value Optional	From address line 1. Use this tag for an apartment or suite number. This tag is required but the value is optional. Maximum characters allowed: 32 For example: <FromAddress1>Apt. 3C</FromAddress1>
<FromAddress2>	Required Tag/ Required Value	From address line 2. Maximum characters allowed: 32 For example: <FromAddress2>6406 Ivy Lane</FromAddress2>
<FromCity>	Required Tag/ Required Value	From city. Maximum characters allowed: 21 For example: <FromCity>Greenbelt</FromCity>
<FromState>	Required Tag/ Required Value	From state. Maximum characters allowed: 2 For example: <FromState>MD</FromState>
<FromZip5>	Required Tag/ Required Value	Input tag exactly as presented, not all caps. Maximum characters allowed: 5 Must be a valid ZIP5 code. For example: <FromZip5>20770</FromZip5>
<FromZip4>	Required Tag/	From ZIP Code+4. Input tag exactly as presented. This tag is required but the value is optional. Maximum

Delivery Confirmation Label Web Tool

	Value Optional	characters allowed: 4 For example: <FromZip4>1234</FromZip4>
<ToName>	Required Tag/ Required Value	Name of package recipient. Maximum characters allowed: 38 For example: <ToName>Tom Collins</ToName>
<ToFirm>	Required Tag/ Value Optional	Company name of recipient. Maximum characters allowed: 38 For example: <ToFirm>XYZ Corp</ToFirm>
<ToAddress1>	Required Tag/ Value Optional	Recipient address line 1. Use this tag for an apartment or suite number. Maximum characters allowed: 38 For example: <ToAddress1>Suite 4D</ToAddress1>
<ToAddress2>	Required Tag/ Required Value	Recipient address line 2. Must be a valid address. Maximum characters allowed: 38 For example: <ToAddress2>8 Wildwood Dr</ToAddress2> You must have <ToAddress2> with <ToCity> and <ToState> OR <ToAddress2> with <ToZip5>. One of these combinations is required.
<ToCity>	Required Tag/ Required Value (see box at right)	Recipient city. Must be a valid address. Maximum characters allowed: 21 For example: <ToCity>Old Lyme</ToCity> You must have <ToAddress2> with <ToCity> and <ToState> OR <ToAddress2> with <ToZip5>. One of these combinations is required.
<ToState>	Required Tag/ Required Value (see box at right)	Recipient state. Must be a valid address. Maximum characters allowed: 2 For example: <ToState>CT</ToState> You must have <ToAddress2> with <ToCity> and <ToState> OR <ToAddress2> with <ToZip5>. One of these combinations is required.
<ToZip5>	Required Tag/ Required Value (see box at right)	Recipient ZIP Code. Must be a valid ZIP code. Input tag exactly as presented. Maximum digits allowed: 5 For example: <ToZip5>06371</ToZip5> You must have <ToAddress2> with <ToCity> and <ToState> OR <ToAddress2> with <ToZip5>. One of these combinations is required.
<ToZip4>	Required Tag/ Value Optional	Recipient ZIP Code+4. Input tag exactly as presented, not all caps. Maximum digits allowed: 4 For example: <ToZip4>5678</ToZip4>
<WeightInOunces>	Required Tag/ Value Optional	Package weight. Value must be numeric. Estimated weight is allowed. For example: <WeightInOunces>32</WeightInOunces>
<ServiceType>	Required Tag/ Required Value	Mail service type desired. Enter one of the valid entries: "Priority" (for Priority Mail) "First Class" (see below for definition) "Parcel Post" "Media Mail" "Library Mail" For example:

Delivery Confirmation Label Web Tool

		<ServiceType>Priority</ServiceType>
<SeparateReceiptPage>	Optional Tag/ Value Optional	This tag passes a True or False value to the Web Tools servers, allowing the shipping label and online customer record to be printed on 2 separate pages (when true). Enter "True" if you want the shipping label and online customer record printed on 2 separate pages or "False" if you want them printed on the same single page. False is assumed if no value is entered. For example: <SeparateReceiptPage>TRUE</SeparateReceiptPage>
<POZipCode>	Optional Tag/ Value Optional	When the ZIP Code of a collection point for a given package is different from the Zip Code of the person mailing the package (their return address), this tag must be used to convey this difference to the USPS. Enter the ZIP Code of the post office or collection box where the item is mailed. May be different than <From ZIP Code>. For example: <POZipCode>20770</POZipCode>
<ImageType>	Required Tag/ Required Value	The type label image desired. Enter one of the valid entries: "TIF" "GIF" "None" Enter "None" if you are creating your own label; the Delivery Confirmation number must be used on custom labels. For example: <ImageType>TIF</ImageType>
<LabelDate>	Optional Tag/ Value Optional	This tag allows the end-user to post-date the Delivery Confirmation label up to four days in advance. The package should not be shipped until the label date requested. On this date the USPS will send a manifest to the PTS, which is the USPS national tracking and delivery confirmation system. Enter the date in either format: dd-mmm-yyyy, such as 10-Jan-2006, or dd/mm/yyyy, such as 10/01/2006. For example: <LabelDate>10/01/2006</LabelDate>
<CustomerRefNo>	Optional Tag/ Value Optional	If you need to cross-reference information about a shipment using your own tracking or inventory systems, use this tag. This string will be included in the daily manifest sent to the PTS system. If you are using the client DUNs number described in the Appendix, Delivery Confirmation PTS Tracking System Extract File Retrieval, the extract file you receive will include the information you entered in this tag. The string you enter appears only in the manifest data, not on the label. Any combination of alpha and numeric characters can be entered, up to a maximum of 30. For example: <CustomerRefNo>123456</CustomerRefNo>
<AddressServiceRequested>	Optional Tag/ Value Optional	You can request the USPS to alert you when a customer changes their address. This feature is especially useful to ensure correct billing. The words "Address Service Requested" will appear on the

Delivery Confirmation Label Web Tool

		<p>shipping label immediately below the return address. This service is not available with Label Option 2. By using this tag, you will receive the following service with Priority Mail:</p> <p>For 12 months after an address change, the mailpiece is forwarded at no charge. However, a separate notice of the new address is returned to you and an address correction fee is charged.</p> <p>For months 13-18 after an address change, the mailpiece is returned with the new address attached at no charge.</p> <p>After 18 months, or if undeliverable, the mailpiece is returned with the reason for nondelivery attached at no charge.</p> <p>Enter "True" or "False." False is assumed if no value is entered. For fees for this service with Package Services, refer to the Domestic Mail Manual section 507.</p> <p>For example: <code><AddressServiceRequested>TRUE</code> <code></AddressServiceRequested></code></p>
<code><SenderName></code>	Optional Tag/ Value Optional	<p>The name of the person or company sending the e-mail. Note: No e-mail is returned when generating a Sample Label request.</p> <p>For example: <code><SenderName>John Smith</SenderName></code></p>
<code><SenderEMail></code>	Optional Tag/ Value Optional	<p>E-mail address of sender. Valid e-mail addresses must be used. Note: No e-mail is returned when generating a Sample Label request.</p> <p>For example: <code><SenderEMail>John.Smith@abc.com</SenderEMail></code></p>
<code><RecipientName></code>	Optional Tag/ Value Optional	<p>The name of the person or company receiving the e-mail. Note: No e-mail is returned when generating a Sample Label request.</p> <p>For example: <code><RecipientName>Mary Doe</RecipientName></code></p>
<code><RecipientEMail></code>	Optional Tag/ Value Optional	<p>E-mail address of recipient. Valid e-mail addresses must be used. Note: No e-mail is returned when generating a Sample Label request.</p> <p>For example: <code><RecipientEMail>MaryJ@xyz.org</RecipientEMail></code></p>

E-mail Notification

If you wish to provide your customers the tracking number of your Delivery Confirmation package, four optional tags are used to transmit the number via e-mail. Your customers can use this number to track the package via the [USPS website](#). The following is a sample e-mail message transmitted with this feature:

```
From: DeliveryConfirmationAlert@USPSshippingapis.com
Sent: Saturday, June 05, 2004 9:37 AM
To: <RecipientEMail>
CC: <SenderEMail>
Subject: Delivery Confirmation Number
```

```
Dear <RecipientName>:
```

```
Below is the Delivery Confirmation number you need to determine
the delivery status of your package.
```

```
Delivery Confirmation Number 9101805213907032437771
```

```
Your package is scheduled for shipment on 6/5/04.
```

```
This email was automatically generated by the US Postal Service
(www.usps.com) at the shipper's request. Any reply to this email
will not be received by the USPS or shipper. The USPS has not
collected or retained any personally identifying information
about you or your purchase from this email.
```

```
Thank you,
```

```
<SenderName>
mailto:<SenderEMail>
```

The four tags listed below (in the order in which they must appear in the XML request) are used for this feature. The only tag **required** to use the e-mail feature is <RecipientEMail>. The other three are optional.

- <SenderName> This tag is used for the name of the person or company sending the e-mail. This name will appear in the text of the Delivery Confirmation e-mail message.
- <SenderEMail> This tag is used for the e-mail address of the person or company sending the e-mail. This address will appear in the text of the Delivery Confirmation e-mail message. This address will be cc:'d when the e-mail is sent.
- <RecipientName> This tag is used for the name of the person or company receiving the e-mail. This name will appear in the TO: field of the Delivery Confirmation e-mail message as well as in the text of the message.
- <RecipientEMail> This tag is used for the e-mail address of the person or company receiving the e-mail. This e-mail address will appear in the TO: field of the Delivery

Confirmation e-mail message. Although this field is considered optional for the Delivery Confirmation Web Tool, if e-mail is desired it is the only required field. Without this field, the e-mail will not be sent.

Live URL

To gain access, all users, including those registered for previous Web Tools use, must contact the ICCC for the URL to make Live calls. The ICCC will send the Live URL via e-mail.

Live XML Request Example

The Live XML request should be in the following form and sequence:

```
<DeliveryConfirmationV3.0Request USERID="xxxxx">
  <Option>1</Option>
  <ImageParameters></ImageParameters>
  <FromName>Joe Smith</FromName>
  <FromFirm>ABC Corp.</FromFirm>
  <FromAddress1>Apt. 3C</FromAddress1>
  <FromAddress2>6406 Ivy Lane</FromAddress2>
  <FromCity>Greenbelt</FromCity>
  <FromState>MD</FromState>
  <FromZip5>20770</FromZip5>
  <FromZip4>1234</FromZip4>
  <ToName>Tom Collins</ToName>
  <ToFirm>XYZ Corp.</ToFirm>
  <ToAddress1>Suite 4D</ToAddress1>
  <ToAddress2>8 Wildwood Drive</ToAddress2>
  <ToCity>Old Lyme</ToCity>
  <ToState>CT</ToState>
  <ToZip5>06371</ToZip5>
  <ToZip4>5678</ToZip4>
  <WeightInOunces>32</WeightInOunces>
  <ServiceType>Priority</ServiceType>
  <SeparateReceiptPage></SeparateReceiptPage>
  <POZipCode></POZipCode>
  <ImageType>TIF</ImageType>
  <LabelDate></LabelDate>
  <CustomerRefNo></CustomerRefNo>
  <AddressServiceRequested></AddressServiceRequested>
  <SenderName></SenderName>
  <SenderEMail></SenderEMail>
  <RecipientName></RecipientName>
  <RecipientEMail></RecipientEMail>
</DeliveryConfirmationV3.0Request>
```

Step 2: Make the Internet Connection & Send the XML Request

This step involves four separate functions:

1. Making the connection to the USPS Shipping Web Tools server.
2. Sending the request (whether Visual Basic, Perl, ASP, or any other language).
3. Receiving the response from the Web Tools server.
4. Closing the Internet connection.

The Delivery Confirmation Label Web Tool requires the use of SSL. If you have recently registered, the registration e-mail will have the name of the server. If you are an existing user and do not have the name of the server please contact the ICCC. When sending the XML request, the Web Tool name must be specified. The server name can be found in your Web Tools registration e-mail. The Web Tool name is DeliveryConfirmationV3. The format of the XML transaction is:

```
https://servername/ShippingAPI.dll?API=DeliveryConfirmationV3&XML=<DeliveryConfirmationV3.0Request USERID="username">.....</DeliveryConfirmationV3.0Request>
```

Step 3: Unpack the XML Response

When the USPS Shipping Web Tools returns a response, it will either return a successful response document or an error document.

XML Output from Unpacked Response

After unpacking the XML response, you will have the output from your request—an XML response with the following tags:

Output	XML Tag
Type of Response	<DeliveryConfirmationV3.0Response>
Delivery Confirmation ID Number (PIC #)	<DeliveryConfirmationNumber>
Delivery Confirmation Label	<DeliveryConfirmationLabel>
Delivery Confirmation Customer Online Record*	<DeliveryConfirmationReceipt>
Name of package recipient	<ToName>
Validated Company name of recipient.	<ToFirm>
Validated Recipient address line 1	<ToAddress1>
Validated Recipient address line 2	<ToAddress2>
Validated Recipient city.	<ToCity>
Validated Recipient state.	<ToState>
Validated Recipient ZIP Code.	<ToZip5>
Validated Recipient ZIP Code+4.	<ToZip4>
Postnet	<Postnet>

*The Web Tool returns this tag only if the <SeparateReceiptPage> tag was set to TRUE in the request. Otherwise the Customer Online Record is contained within the label image and the <DeliveryConfirmationReceipt> tag is NOT present in the response.

Live XML Response

The Delivery Confirmation Label Web Tool returns the following information if pickup is available to the supplied address:

```
<DeliveryConfirmationV3.0Response>
  <DeliveryConfirmationNumber>
    02805213907136314906
  </DeliveryConfirmationNumber>
  <DeliveryConfirmationLabel>
    SUkqAAgAAAASAP4ABAABAAAAAAAAAAAAAAAAABBAABAAAAvAIAAAEBBAABAAAAkAE
    AAAlBAwABAAAAAQAAAAMBawABAAAABAAAAAYBAwABAAAAAooooBAwABAA
    AAAGAAABEBBAAAA////////+5D9gC43ML+v////////v/fJev/t9/f//f//+H
    iCuI+K/jf4j4/2F8/V9DxP///3
    . .(more data here) . .
  </DeliveryConfirmationLabel>
  <ToName>Tom Collins</ToName>
  <ToFirm>XYZ CORP.</ToFirm>
  <ToAddress1>4D</ToAddress1>
  <ToAddress2>8 WILDWOOD DR</ToAddress2>
  <ToCity>OLD LYME</ToCity>
  <ToState>CT</ToState>
  <ToZip5>06371</ToZip5>
  <ToZip4>1844</ToZip4>
  <Postnet>06371184408</Postnet>
</DeliveryConfirmationV3.0Response>
```

If an error message is returned, refer to the *Error Responses* section for an explanation.

Decoded Live Labels

The image returned is Base64-encoded in PDF, JPEG, GIF, or TIF format, according to your request (<ImageType>). It must be decoded before use. For additional information on Base64-encoding and decoding, consult the following sites: [Network Working Group Section 4.3.2.4](#) and [Network Working Group Section 6.8](#).

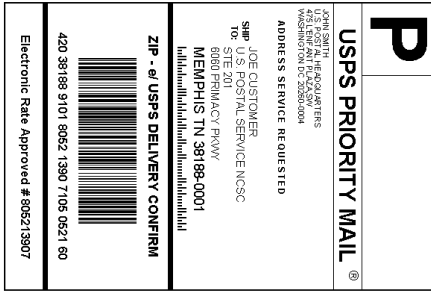
Important: When printing PDF files with barcodes, be sure that the “Fit to Page” option in the print dialogue box of Adobe Acrobat is **unchecked**.

Depending on the <Option> included in the request, your output will return one of the following labels. After decoding, the Sample Label should look like Label Option 1 (left) or Label Option 2 (right).

Label Option 1: The label should be printed on a self-adhesive label at least 5” x 7”. After decoding, the label should look like:

Label Option 2: The label should be printed on a self-adhesive label at least 4” x 3”. After decoding, the label should look like:

Delivery Confirmation Label Web Tool



<p>Instructions</p> <ol style="list-style-type: none"> Please use a laser or laser-quality printer. Adhere shipping label to package with tape or glue - DO NOT TAPE OVER BARCODE. Be sure all edges are secure. Self-adhesive label is recommended. Place label so it does not wrap around the edge of the package. Affix Priority Mail service postage. There is no extra fee for Delivery Confirmation service. Stamped packages weighing 16 ounces or more may not be placed in Postal Service collection boxes. For information on pickup options, go to the Pickup Page on www.usps.com. 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 the article and Online e-Label Record at a Post Office for postmark. 	<p>Online e-Label Record</p> <div style="border: 1px solid black; padding: 5px;"> <p>Delivery ConfirmationSM Service Number: 9101 8052 1390 7105 0521 60</p> <p>Priority MailSM with electronic option Delivery Confirmation serviceSM Print Date: 06/29/04 Ship Date: Electronic Option Delivery Confirmation Service Fee: 0.00</p> <p>From: JOHN SMITH U.S. POSTAL HEADQUARTERS 475 L'ENVOY PLAZA SW WASHINGTON DC 20260-0004</p> <p style="text-align: right;">USPS Postmark Here</p> <p>To: JOE CUSTOMER U.S. POSTAL SERVICE NCSO 516 ST 6050 PRIMACY PKWY MEMPHIS TN 38189-0001</p> <p><small>*Regular Priority Mail Service postage rates apply. There is no fee for Delivery Confirmation service on Priority Mail service with use of this electronic option shipping label. Delivery information is not available by phone for the electronic option.</small></p> </div>
<p>Instructions</p> <ol style="list-style-type: none"> Please use a laser or laser-quality printer. Adhere shipping label to package with tape or glue - DO NOT TAPE OVER BARCODE. Be sure all edges are secure. Self-adhesive label is recommended. Place label so it does not wrap around the edge of the package. Affix Priority Mail service postage. There is no extra fee for Delivery Confirmation service. Stamped packages weighing 16 ounces or more may not be placed in Postal Service collection boxes. For information on pickup options, go to the Pickup Page on www.usps.com. 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 the article and Online e-Label Record at a Post Office for postmark. 	<p>Online e-Label Record</p> <div style="border: 1px solid black; padding: 5px;"> <p>Delivery ConfirmationSM Service Number: 9101 8052 1390 7126 0236 82</p> <p>Priority MailSM with electronic option Delivery Confirmation serviceSM Print Date: 06/29/04 Ship Date: Electronic Option Delivery Confirmation Service Fee: 0.00</p> <p>From: JOHN SMITH U.S. POSTAL HEADQUARTERS 475 L'ENVOY PLAZA SW WASHINGTON DC 20260-0004</p> <p style="text-align: right;">USPS Postmark Here</p> <p>To: JOE CUSTOMER U.S. POSTAL SERVICE NCSO 516 ST 6050 PRIMACY PKWY MEMPHIS TN 38189-0001</p> <p><small>*Regular Priority Mail Service postage rates apply. There is no fee for Delivery Confirmation service on Priority Mail service with use of this electronic option shipping label. Delivery information is not available by phone for the electronic option.</small></p> </div>

(The images above are not to scale.)

Refer to the *Delivery Confirmation Overview* section for full-sized examples.

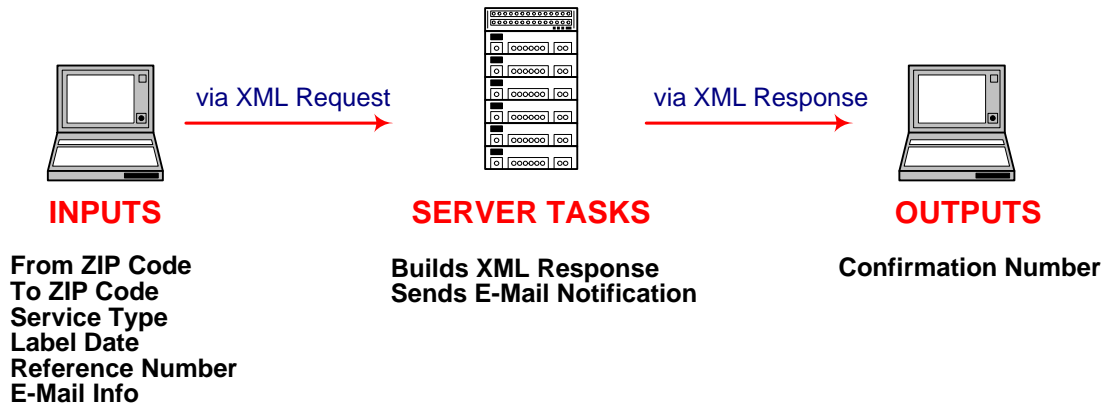
4.0 Delivery Confirmation Barcode Number Web Tool

The Delivery Confirmation Barcode Number Web Tool generates a Delivery Confirmation number that can be applied to user-generated labels. This Web Tool only returns the confirmation number used in creating your own label. If you are exercising the option of generating your own customized label, and you do not desire address cleansing or a full Postnet barcode, use this Web Tool and not the Delivery Confirmation Label Web Tool.

4.1 Delivery Confirmation Barcode Number Web Tool Transaction Procedures

The illustration below shows the transactional flow of information to and from the USPS Delivery Confirmation Barcode Number Web Tool server:

Delivery Confirmation Barcode Number Web Tool Server



4.2 Run Scripted Test

Step 1: Build the XML Request

For testing purposes, the only values in the test code in this section that you should change are the userid. Enter the user ID you received in the registration e-mail for testing. **All remaining code in the test scripts provided below must remain unchanged.**

Testing URL

To make test calls to the Delivery Confirmation Barcode Number server, use the Testing URL provided in the registration e-mail.

Scripted Test Requests

There are two test requests included in this procedure. All of the test script code contained in this document can be cut and pasted for your use in testing the software. Be sure to note the request numbers so you can match up the responses you will receive as provided in the *Successful Test Responses* section.

Test Request #1

```
<DeliveryConfirmationPICV3.0Request USERID="xxxxxxx">
  <FromZip5>20260</FromZip5>
  <ToZip5>38119</ToZip5>
  <ServiceType>Priority</ServiceType>
</DeliveryConfirmationPICV3.0Request>
```

Test Request #2

(Note: Be sure to enter the <POZipCode> tag line exactly as presented below.)

```
<DeliveryConfirmationPICV3.0Request USERID="xxxxxxx">
  <FromZip5>20260</FromZip5>
  <ToZip5>38119</ToZip5>
  <ServiceType>Priority</ServiceType>
  <POZipCode>20260</POZipCode>
  <SenderName>John Smith</SenderName>
  <SenderEMail>John.Smith@xyz.com</SenderEMail>
  <RecipientName>Joe Customer</RecipientName>
  <RecipientEMail>Joe.Customer@abc.com</RecipientEMail>
</DeliveryConfirmationPICV3.0Request>
```

Step 2: Make the Internet Connection & Send the XML Request

This step involves four separate functions:

1. Making the connection to the USPS Shipping Web Tools server.
2. Sending the request (whether Visual Basic, Perl, ASP, or any other language).
3. Receiving the response from the Web Tools server.
4. Closing the Internet connection.

The Delivery Confirmation Barcode Number Web Tool requires the use of a secure HTTP connection. If you have recently registered, the registration e-mail will have the name of the server. If you are an existing user and do not have the name of the server please contact the ICC. When sending the XML request, the Web Tool name must be specified. The server name can be found in your Web Tools registration e-mail. The Web Tool name is DeliveryConfirmationPICV3. The format of the XML transaction is:

```
https://servername/ShippingAPITest.dll?API=DeliveryConfirmationP
ICV3&XML=<DeliveryConfirmationPICV3.0Request USERID="username">
.....</DeliveryConfirmationPICV3.0Request >
```


Step 3: Unpack the XML Response

When the USPS Shipping Web Tools returns a response, it will either return a successful response document or an error document.

Successful Test Responses

For your test to be successful, the following responses to the scripted test requests should be returned *verbatim*.

Response to Test Request #1

```
<DeliveryConfirmationPICV3.0Response>
  <DeliveryConfirmationNumber>
    420381199101805213907146954348
  </DeliveryConfirmationNumber>
</DeliveryConfirmationPICV3.0Response>
```

Response to Test Request #2

```
<DeliveryConfirmationPICV3.0Response>
  <DeliveryConfirmationNumber>
    420381199101805213907146954348
  </DeliveryConfirmationNumber>
</DeliveryConfirmationPICV3.0Response>
```

Scripted Test Error Responses

If any values were changed in your request, the following is an example of an error that can occur. The following error will occur for Test #2 if an invalid To ZIP Code was provided.

```
<Error>
  <Number>-2147217984</Number>
  <Source>DC_Respond;solserverconfirm.DC_Respond</Source>
  <Description>Invalid value for ZIP Code in To
  Address.</Description>
  <HelpFile></HelpFile>
  <HelpContext>1000440</HelpContext>
</Error>
```

Although the input may be valid, the response will still raise this error, because those particular values have not been included in this test server. Refer to the *Error Responses* section for an explanation of any other returned errors.

Upon successful completion of the scripted test phase, call the ICCC. The ICCC will verify your test results and provide you with privileges necessary to proceed to the next step—running Sample requests to create or customize labels.

4.3 Run Sample Requests

Unlike the Delivery Confirmation Label Web Tool, this Web Tool does not return a label to you, only a Delivery Confirmation number (this number must be used on the label you create). You must follow the steps outlined below in order to run Sample requests and have your labels certified before you will be permitted full access to the production server.

Even after receiving approval, always use the Sample requests for testing purposes. Using Live requests enters the package in the USPS tracking system.

Step 1: Build the XML Request

Sample XML Tags

The table below presents the XML input tags for generating Sample Label 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 Web Tool 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.

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. Remember 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:

`<ServiceType>Priority</ServiceType>`

In this instance, you will replace “Priority” with the type of service you desire.

XML Tag	Required/ Optional	Description & Values Allowed
<code><DeliveryConfirmPICCertifyV3.0Request...</code>	Required	Notifies Web Tool that request for Sample Label is being sent. Input tag exactly as presented.
<code>...USERID="userid"></code>	Required	Use user ID provided with registration.

e.g., `<DeliveryConfirmPICCertifyV3.0Request USERID="yourID">`

Tags within the above-defined call are as follows:

XML Tag	Required/ Optional	Description & Values Allowed
<code><FromZip5></code>	Required	From ZIP Code. Input tag exactly as presented, not all caps. Maximum characters allowed: 5 For example: <code><FromZip5>20770</FromZip5></code>
<code><ToZip5></code>	Required	Recipient ZIP Code. Input tag exactly as presented, not all caps. Maximum characters allowed: 5 For example: <code><ToZip5>06371</ToZip5></code>
<code><ServiceType></code>	Required	Mail service type desired. Enter one of the valid entries: “Priority” (for Priority Mail)

Delivery Confirmation Barcode Number Web Tool

XML Tag	Required/ Optional	Description & Values Allowed
		"First Class" (see below for definition) "Parcel Post" "Media Mail" "Library Mail" For example: <ServiceType>Priority</ServiceType>
<POZipCode>	Optional Tag/ Value Optional	When the ZIP Code of a collection point for a given package is different from the Zip Code of the person mailing the package (their return address), this optional tag must be used to convey this difference to the USPS. Enter the ZIP Code of the post office or collection box where the item is mailed . May be different than <From ZIP Code>. For example: <POZipCode>20770</POZipCode>
<LabelDate>	Optional Tag/ Value Optional	Use of this tag allows the end-user to post-date the Delivery Confirmation label up to four days in advance. The package should not be shipped until the label date requested. On this date the USPS will send a manifest to the PTS, which is the USPS national tracking and delivery confirmation system. Enter the date in either format: dd-mmm-yyyy, such as 10-Jan-2001, or dd/mm/yyyy, such as 10/01/2001. For example: <LabelDate>12/01/04</LabelDate>
<CustomerRefNo>	Optional Tag/ Value Optional	If you have a need to cross-reference information about a shipment using your own tracking or inventory systems, use this tag. This string will be included in the daily manifest sent to the PTS system. If you are using the client DUNs number described in the Appendix, Delivery Confirmation PTS Tracking System Extract File Retrieval, the extract file you receive will include the information you entered in this tag. The string you enter appears only in the manifest data, not on the label. Any combination of alpha and numeric characters can be entered, up to a maximum of 30. For example: <CustomerRefNo>RT56789</CustomerRefNo>
<SenderName>	Optional Tag/ Value Optional	The name of the person or company sending the e-mail. See the <i>E-mail Notification</i> section for details. Note: No e-mail is returned when generating a Sample Label request. For example: <SenderName>John Smith</SenderName>
<SenderEMail>	Optional Tag/ Value Optional	E-mail address of sender. Valid e-mail addresses must be used. See the <i>E-mail Notification</i> section for details. Note: No e-mail is returned when generating a Sample Label request. For example: <SenderEMail>JohnSmith@abc.com</SenderEMail>
<RecipientName>	Optional Tag/ Value Optional	The name of the person or company receiving the e-mail. See the <i>E-mail Notification</i> section for details. Note: No e-mail is returned when generating a Sample Label request. For example: <RecipientName>Mary Jones</RecipientName>
<RecipientEMail>	Optional Tag/ Value Optional	E-mail address of recipient. Valid e-mail addresses must be used. See the <i>E-mail Notification</i> section for details. Note: No e-mail is returned when generating a Sample Label request. For example: <RecipientEMail>MaryJ@xzy.org</RecipientEMail>

Sample URL

To gain access all users, including those registered for previous Web Tools use, must contact the ICCC for the URL to make Live calls. The ICCC will send the Live URL via e-mail.

Sample XML Request Example

The Sample Label XML request should be in the following form and sequence:

```
<DeliveryConfirmPICCertifyV3.0Request USERID="xxxxxxx">  
  <FromZip5>20770</FromZip5>  
  <ToZip5>06371</ToZip5>  
  <ServiceType>Priority</ServiceType>  
</DeliveryConfirmPICCertifyV3.0Request>
```

Step 2: Make Internet Connection & Send the XML Request

This step involves four separate functions:

1. Making the connection to the USPS Shipping Web Tools server.
2. Sending the request (whether Visual Basic, Perl, ASP, or any other language).
3. Receiving the response from the Web Tools server.
4. Closing the Internet connection.

The Delivery Confirmation Barcode Number Web Tool requires the use of a secure HTTP connection. If you have recently registered, the registration e-mail will have the name of the server. If you are an existing user and do not have the name of the server please contact the ICCC. When sending the XML request, the Web Tool name must be specified. The server name can be found in your Web Tools registration e-mail. The Web Tool name is DeliveryConfirmPICCertifyV3. The format of the XML transaction is:

```
https://servername/ShippingAPI.dll?API=DeliveryConfirmPICCertify  
V3&XML=<DeliveryConfirmPICCertifyV3.0Request  
USERID="username">.....</DeliveryConfirmPICCertifyV3.0Request>
```

Step 3: Unpack the XML Response

When the USPS Shipping Web Tools returns a response, it will either return a successful response document or an error document.

XML Output from Unpacked Response

After unpacking the XML response, you will have the output from your request—an XML response with the following tags:

Output	XML Tag
Type of Response	<DeliveryConfirmPICCertifyV3.0Response>
Delivery Confirmation ID Number (PIC #)	<DeliveryConfirmationNumber>

Sample XML Response

```
<DeliveryConfirmPICCertifyV3.0Response>
```

Delivery Confirmation Barcode Number Web Tool

```
<DeliveryConfirmationNumber>  
420063719101805213907968005099  
</DeliveryConfirmationNumber>  
</DeliveryConfirmPICCertifyV3.0Response>
```

If an error message is returned, refer to the *Error Responses* section for an explanation.

Step 4: Create Your Own Label

Once the Web Tool has returned the Delivery Confirmation number to you, it can be inserted into your customized label. The label, however, must meet USPS requirements. Refer to [Publication 91](#) and [DMM Section 503](#) for specifications and requirements. For further information, contact the ICCC.

Note: Effective January 31, 2005, mailers printing their own barcodes and using the electronic service option must use the UCC/EAN Code 128 barcode symbology. All new mailers must use this symbology. Through January 30, 2005, mailers printing their own barcodes and using the electronic service option may use one of the following barcode symbologies: UCC/EAN Code 128, USS Code Interleaved 2 of 5, USS Code 39, or USS Code 128. Each barcode must contain a unique PIC. Barcodes also must meet the specifications in Publication 91. For details, refer to the [Publication 91](#).

If you request multiple numbers, you must be sure to match up the right number and place it on a label and package with the correct from and to address information used on the input request.

The sample labels shown in the *Delivery Confirmation Overview* section are presented for use in designing your labels to meet USPS specifications. The label on the left (Option 1) should be printed on a self-adhesive label at least 4" x 6". The label on the right (Option 2) should be printed on a self-adhesive label at least 4" x 3". Self-adhesive labels are recommended, but not mandatory.

Customer Online Record Requirements

If you choose to create your own labels for the Delivery Confirmation service, you are required to create a Customer Online Record, Label 11-D as illustrated below. You are required to populate the following data on the label:

- Sender name and address
- Recipient name and address
- Delivery Confirmation PIC number
- Print Date
- Ship Date (if provided by mailer)
- Electronic Option Service Fee amount

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



Cut on dotted line.

Instructions

1. Please use a laser or laser-quality printer.
2. Adhere shipping label to package with tape or glue - DO NOT TAPE OVER BARCODE. Be sure all edges are secure. Self-adhesive label is recommended.
3. Place label so it does not wrap around the edge of the package.
4. Affix Priority Mail service postage. There is no extra fee for Delivery Confirmation service.
5. Stamped packages weighing 16 ounces or more may not be placed in Postal Service collection boxes. For information on pickup options, go to the Pickup Page on www.usps.com.
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 the article and Online e-Label Record at a Post Office for postmark.

Online e-Label Record

Delivery Confirmation™ Service Number:
9101 8052 1390 7115 5379 23

Priority Mail® with electronic option

Delivery Confirmation service*

Print Date: 06/28/04

Ship Date:

Electronic Option Delivery Confirmation Service Fee: 0.00

From: JOHN SMITH
U.S. POSTAL HEADQUARTERS
475 L'ENFANT PLAZA, SW
WASHINGTON DC 20260-0004

USPS
Postmark
Here

To: JOE CUSTOMER
U.S. POSTAL SERVICE NCSC
STE 201
6060 PRIMACY PKWY
MEMPHIS TN 38188-0001

*Regular Priority Mail Service postage rates apply. There is no fee for Delivery Confirmation service on Priority Mail service with use of this electronic option shipping label. Delivery information is not available by phone for the electronic option.



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

Step 5: Get Your Customized Label Certified

After creating your customized label you must get it certified by the USPS National Customer Support Center. You must submit your labels to the USPS in order for us to certify that your application is capable of generating a proper barcode and label.

To complete the certification process for your customized or modified labels, take the following steps:

1. Using the process described in this section, create (or modify) your label. Be sure to reference the *Create Your Own Label* section for specifications.
2. Print ten of your customized (or modified) labels.
3. Complete the National Customer Support Center Customized Web Tools Label Submission form in the appendix of this guide. You can either print the form from this file and fill out with a pen, or copy the form to a Microsoft Word file and fill out electronically before printing and signing.
4. Mail the completed form, along with the ten labels, to the address specified on the form.

Questions about the label certification process may be directed to NCSC support staff at (800) 279-2651. Be sure to mention that you are a Web Tools customer.

The ICCC will notify you when you have full production access and can go live with your Web Tool.

4.4 Run Live Data

Upon receipt of full production access, you will be able to create “live” labels from the production server. These labels must be entered into the mail – **it is imperative that you not run testing for your printers or system using “live” requests**, as this will impact reporting and performance of the USPS Confirmation service.

Step 1: Build the XML Request

Live XML Tags

The table below presents the XML input tags for generating 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 Web Tool 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 a correct response.

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. Remember 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:

`<FromZip5>12345</FromZip5>`

In this instance, you will replace “12345” with the ZIP Code of the person sending the package when making your request.

XML Tag	Required/ Optional	Description & Values Allowed
<code><DeliveryConfirmationPICV3.0Request...</code>	Required	Notifies Web Tool that a request for a Live Label is being sent. Input tag exactly as presented.
<code>...USERID="userid"></code>	Required	Use user ID provided with registration.

e.g., `<DeliveryConfirmationPICV3.0Request USERID="yourID">`

Tags within the above-defined call are as follows:

XML Tag	Required/ Optional	Description & Values Allowed
<code><FromZip5></code>	Required	From ZIP Code. Input tag exactly as presented, not all caps. Maximum characters allowed: 5 For example: <code><FromZip5>20770</FromZip5></code>
<code><ToZip5></code>	Required	Recipient ZIP Code. Input tag exactly as presented, not all caps. Maximum characters allowed: 5 For example: <code><ToZip5>06371</ToZip5></code>
<code><ServiceType></code>	Required	Mail service type desired. Enter one of the valid entries: “Priority” (for Priority Mail) “First Class” (see below for definition) “Parcel Post” “Media Mail”

Delivery Confirmation Barcode Number Web Tool

XML Tag	Required/ Optional	Description & Values Allowed
		"Library Mail" For example: <ServiceType>Priority</ServiceType>
<POZipCode>	Optional Tag/ Value Optional	When the ZIP Code of a collection point for a given package is different from the Zip Code of the person mailing the package (their return address), this optional tag must be used to convey this difference to the USPS. Enter the ZIP Code of the post office or collection box where the item is mailed. May be different than <From ZIP Code>. For example: <POZipCode>20770</POZipCode>
<LabelDate>	Optional Tag/ Value Optional	This tag allows the end-user to post-date the Delivery Confirmation label up to four days in advance. The package should not be shipped until the label date requested. On this date the USPS will send a manifest to the PTS, which is the USPS national tracking and delivery confirmation system. Enter the date in either format: dd-mmm-yyyy, such as 10-Jan-2001, or dd/mm/yyyy, such as 10/01/2001. For example: <LabelDate>12/01/04</LabelDate>
<CustomerRefNo>	Optional Tag/ Value Optional	If you have a need to cross-reference information about a shipment using your own tracking or inventory systems, use this tag. This string will be included in the daily manifest sent to the PTS system. If you are using the client DUNs number described in the Appendix, Delivery Confirmation PTS Tracking System Extract File Retrieval, the extract file you receive will include the information you entered in this tag. The string you enter appears only in the manifest data, not on the label. Any combination of alpha and numeric characters can be entered, up to a maximum of 30. For example: <CustomerRefNo>RT56789</CustomerRefNo>
<SenderName>	Optional Tag/ Value Optional	The name of the person or company sending the e-mail. See the E-mail Notification section for details. Note: No e-mail is returned when generating a Sample Label request. For example: <SenderName>John Smith</SenderName>
<SenderEMail>	Optional Tag/ Value Optional	E-mail address of sender. Valid e-mail addresses must be used. See the E-mail Notification section for details. Note: No e-mail is returned when generating a Sample Label request. For example: <SenderEMail>JohnSmith@abc.com</SenderEMail>
<RecipientName>	Optional Tag/ Value Optional	The name of the person or company receiving the e-mail. See the E-mail Notification section for details. Note: No e-mail is returned when generating a Sample Label request. For example: <RecipientName>Mary Jones</RecipientName>

E-mail Notification

If you wish to provide your customers the tracking number of your Delivery Confirmation package, four optional tags are used to transmit the number via e-mail. Your customers can use this number to track the package via the [USPS website](http://www.usps.com). The following is an example of an e-mail message transmitted with this feature:

Delivery Confirmation Barcode Number Web Tool

From: DeliveryConfirmationAlert@USPSshippingapis.com
Sent: Saturday, June 05, 2004 9:37 AM
To: <RecipientEMail>
CC: <SenderEMail>
Subject: Delivery Confirmation Number

Dear <RecipientName>:

Below is the Delivery Confirmation number you need to determine the delivery status of your package.

Delivery Confirmation Number 9101805213907042096746
Your package is scheduled for shipment on 6/5/04.

This email was automatically generated by the US Postal Service (www.usps.com) at the shipper's request. Any reply to this email will not be received by the USPS or shipper. The USPS has not collected or retained any personally identifying information about you or your purchase from this email.

Thank you,

<SenderName>
mailto:<SenderEMail>

The four tags listed below (in the order in which they must appear in the XML request) are used for this feature. The only tag required to use the e-mail feature is <RecipientEMail>. The other three are not required to use the e-mail feature.

- <SenderName> This tag is used for the name of the person or company sending the e-mail. This name will appear in the text of the Delivery Confirmation e-mail message.
- <SenderEMail> This tag is used for the e-mail address of the person or company sending the e-mail. This address will appear in the text of the Delivery Confirmation e-mail message. This address will be cc:'d when the e-mail is sent.
- <RecipientName> This tag is used for the name of the person or company receiving the e-mail. This name will appear in the TO: field of the Delivery Confirmation e-mail message as well as in the text of the message.
- <RecipientEMail> This tag is used for the e-mail address of the person or company receiving the e-mail. This e-mail address will appear in the TO: field of the Delivery Confirmation e-mail message. Although this field is considered optional for the Delivery Confirmation Web Tool, if e-mail is desired it is the only required field. Without this field, the e-mail will not be sent.

Live URL

To gain access all users, including those registered for previous Web Tools use, must contact the ICCC for the URL to make Live calls. The ICCC will send the Live URL via e-mail.

Live XML Request Example

The Live XML request should be in the following form and sequence:

```
<DeliveryConfirmationPICV3.0Request USERID="xxxxxxx">  
  <FromZip5>20770</FromZip5>  
  <ToZip5>06371</ToZip5>  
  <ServiceType>Priority</ServiceType>  
</DeliveryConfirmationPICV3.0Request>
```

Step 2: Make the Internet Connection & Send the XML Request

This step involves four separate functions:

1. Making the connection to the USPS Shipping Web Tools server.
2. Sending the request (whether Visual Basic, Perl, ASP, or any other language).
3. Receiving the response from the Web Tools server.
4. Closing the Internet connection.

The Delivery Confirmation Barcode Number Web Tool requires the use of a secure HTTP connection. If you have recently registered, the registration e-mail will have the name of the server. If you are an existing user and do not have the name of the server please contact the ICCC. When sending the XML request, the Web Tool name must be specified. The server name can be found in your Web Tools registration e-mail. The Web Tool name is DeliveryConfirmationPICV3.0. The format of the XML transaction is:

```
https://servername/ShippingAPI.dll?API=DeliveryConfirmationPICV3  
&XML=<DeliveryConfirmationPICV3.0Request USERID="username">.....  
</DeliveryConfirmationPICV3.0Request>
```

Step 3: Unpack the XML Response

When the USPS Shipping Web Tools returns a response, it will either return a successful response document or an error document.

XML Output from Unpacked Response

After unpacking the XML response, you will have the output from your request—an XML response with the following tags:

Output	XML Tag
Type of Response	<DeliveryConfirmationPICV3.0Response>
Delivery Confirmation ID Number (PIC #)	<DeliveryConfirmationNumber>

Live XML Output Example

The Carrier Pickup Schedule Web Tool returns the following information to the user if the information is valid and pickup is available to the supplied address:

```
<DeliveryConfirmationPICV3.0Response>  
  <DeliveryConfirmationNumber>  
  420980639105805213907094371934
```

```
</DeliveryConfirmationNumber>  
</DeliveryConfirmationPICV3.0Response>
```

If an error message is returned, refer to the *Error Responses* section for an explanation.

Appendix A: Delivery Confirmation Product Tracking System Extract File Retrieval

Delivery information regarding all barcodes sent to you via the Delivery Confirmation Web Tool can be accumulated into a single comma-delimited file to use in your internal systems. It is referred to as the “extract file” from the USPS Product Tracking System (PTS).

The PTS extract file includes information regarding the Package ID Codes (PICs), such as destination ZIP Code, event code (delivery, manifest, etc.), ZIP Code of scan or event, date and time of scan or event, etc. This file is a single point of reference for all packages shipped by a company in a given day. The extract file is created 16 times daily.

The instructions and forms needed in order to gain access to the system that creates and stores the extract files from the USPS PTS are included below. After you have access to the PTS system for your extract files, you will need to contact the ICCC by phone at 1-800-344-7779. The ICCC will need your DUNS or Mailer ID number to associate it with all PICs created by your company. When the ICCC makes the association (may need at least one working day to complete), you will begin seeing extract files in your FTP area account on the PTS system (files are maintained for 10 days before being deleted).

The following is a checklist of activities necessary for gaining access to the PTS extract file:

1.	To obtain a Mailer ID (MID), complete <i>USPS Confirmation Services – Electronic Option Application PS Form 5051</i> and <i>USPS Request For Computer Access PS Form 1357-S</i> . Note: If a Dun and Bradstreet (DUNS) number has already been registered with USPS Product Tracking System (PTS), please indicate on PS Form 5051. If the DUNS is registered elsewhere within USPS, but not in PTS, a MID will need to be obtained by submitting PS Form 5051.
2.	Fax PS Form 5051 and Form 1357-S to: USPS NCSC: 901-821-6244
3.	Receive logon/password information from the USPS.
4.	Retrieve documentation regarding the extract file, how to read the file, etc., from USPS Publication 91 or PDF version of USPS Publication 91 (download Adobe Reader) . The Appendices in this document will provide file layout, event codes, and trouble-shooting guides that will help in processing the extract file.

If you have problems with this process or with logon information, please contact USPS Technical Support at 1-877-264-9693 (then select) option #1.

Appendix A: Delivery Confirmation PTS Extract File Retrieval



Confirmation Services Electronic Option Application

The electronic option for confirmation services is available to mailers who establish an electronic link with the USPS to exchange acceptance and delivery data. No mailing receipt is provided. Depending on the service you are requesting, you will have to complete this form and submit additional information.

A. Customer Information		<i>(Please print or type)</i>
<p>1. Mailer Identification Number (MID)</p> <hr/> <p>2. Company Name</p> <hr/> <p>3. Company Street Address</p> <hr/> <p>4. City</p> <hr/> <p>5. State and ZIP+4®</p> <hr/> <p>6. Company Primary Contact</p> <p style="margin-left: 20px;">a. Name:</p> <p style="margin-left: 20px;">b. Telephone Number <i>(Area Code and Ext.)</i>:</p> <p style="margin-left: 20px;">c. Fax:</p> <p style="margin-left: 20px;">d. Email Address:</p> <hr/> <p>7. Technical Contact</p> <p style="margin-left: 20px;">a. Name:</p> <p style="margin-left: 20px;">b. Telephone Number <i>(Area Code and Ext.)</i>:</p> <p style="margin-left: 20px;">c. Fax:</p> <p style="margin-left: 20px;">d. Email Address:</p>	<p>8. How will you send your electronic file?</p> <p style="margin-left: 20px;">a. <input type="checkbox"/> Internet FTP</p> <p style="margin-left: 20px;">b. <input type="checkbox"/> No Transmission From This Site: <i>Labels only</i></p> <hr/> <p>9. Will you be using vendor software? a. <input type="checkbox"/> Yes b. <input type="checkbox"/> No</p> <p style="margin-left: 20px;">If purchasing a shipping/manifesting system, you can obtain a listing of confirmation Services Certified Vendors at usps.com; search on "Certified Vendors" or select a vendor of your choice.</p> <p style="margin-left: 20px;">If Yes, provide name of software vendor and product name: Company or Vendor:</p> <p style="margin-left: 20px;">Shipping System Name:</p> <p style="margin-left: 20px;">Are you a Service Provider/Consolidator? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p style="margin-left: 20px;">If No, give Service Provider/Consolidator Company name: _____</p> <hr/> <p>10. Will you print your own barcoded labels?</p> <p style="margin-left: 20px;"><input type="checkbox"/> Yes <input type="checkbox"/> No</p>	

B. Service Requested and Optional Customer Information	
<p>11. Select service(s) desired:</p> <p style="margin-left: 20px;">Delivery/Signature Confirmation (Complete front page of this form and PS Form 1357-S (if transmitting files), <i>Request for Computer Access</i> (usps.com/forms/allforms.htm).</p> <hr/> <p style="margin-left: 20px;">Electronic Verification System (eVS) includes Delivery/Signature Confirmation (Complete front page of this form, PS Form 1357-C, <i>Customer Request for Web Access</i> (usps.com/forms/allforms.htm) and Appendix B in Publication 205 (usps.com/publications/pubs/welcome.htm).</p> <hr/> <p style="margin-left: 20px;"><input type="checkbox"/> Parcel Return Service (PRS) (Complete front page of this form and PS Form 1357-C, <i>Customer Request for Web Access</i> (usps.com/forms/allforms.htm)). Complete an individual PS Form 1357-C for each point of contact.</p> <hr/> <p style="margin-left: 20px;"><input type="checkbox"/> Priority Mail Open and Distribute (PMOD) (Complete front page of this form and PS Form 1357-S (if transmitting files), <i>Request for Computer Access</i> (usps.com/forms/allforms.htm)).</p> <hr/> <p style="margin-left: 20px;"><input type="checkbox"/> Express Mail Open and Distribute (EMOD) (Complete front page of this form and PS Form 1357-S (if transmitting files), <i>Request for Computer Access</i> (usps.com/forms/allforms.htm)).</p> <hr/> <p>12. Please provide additional information unique to your process, or discuss other issues.</p> 	
<p>13. Name of Person Completing Application</p>	<p>14. Date</p>

PS Form 5051, October 2010 (Page 1 of 2) *(See reverse side for instructions)* **Privacy Notice:** See our Privacy Policy on usps.com®

Instructions

1. Obtain a Mailer ID (MID) via the Business Customer Gateway. Go to <http://www.usps.com/> and select the Business Customer Gateway located on the bottom right-hand corner of the web page. The mailer must logon as an existing user or register for a business account as a new user to gain access to the Business Customer Gateway and request the Mailer ID service. Once the mailer has access to the Mailer ID System, he or she will select the "Mailer ID" link to obtain an MID.
2. Fax, e-mail or mail certification documentation (PS Form 5051, PS Form 1357-S, PS Form 5052, and labels to USPS.

Mail to the following address:
National Customer Support Center
United States Postal Service
6060 Primacy Parkway Suite 101
Memphis TN 38188-0001

Or e-mail your forms to: dconfirm@usps.gov
Or fax your forms to: 901-821-6244
3. You will receive the certification test instructions and login ID(s) from the Postal Service for the requested certification types you requested in Item 11 on page 1. Call Technical Support at 877-264-9693, Option 1, to receive password(s).
4. Create an electronic test file that represents 10 packages per printer.
5. If you are printing your own labels, print 10 labels for each printer. The printed barcoded labels must match the package identification codes in the file.
 - a. Complete the PS Form 5052, *Confirmation Services Printer Verification*. (Available at <http://www.usps.com/forms/confirmservices.htm>).
 - b. If there are issues with the labels and/or file, you will be contacted by the National Customer Support Center (NCSC).
6. After successfully completing certification, you will receive PS Form 3152, *Confirmation Services Certification*, and an acceptance letter from the U.S. Postal Service. If requested, you will need to present a copy of this form to your local Postal Service facility as proof that you are eligible for mailing at the electronic rate.

Appendix B: NCSC Submission Form

National Customer Support Center Customized Web Tools Label Submission Form

Ten labels must be submitted for label and barcode certification.

Company Name/Customer Name:

Mailing Address:

City/State/ZIP+4:

Name of Contact:

Phone # of Contact:

FAX:

E-mail:

Web Tool, API User ID#:

Company Web site (URL), if any:

API Program Number: **805213907**

Instructions:

With this form, submit **10** labels from the application used to print labels with barcodes.

Mail labels to: National Customer Support Center
Attn: Barcode Certification - Web Tools (API)
U.S. Postal Service
6060 Primacy Pkwy, Suite 201
Memphis, TN 38188-0001

Signature of Contact Person

Date

Instructions for National Customer Support Center:

Upon completion of testing, notify the Internet Customer Care Center of results at (800) 344-7779 and provide customer's Web Tool User ID#.