

ENDICIA XML CLIENT INTERFACE

DAZzle® and Endicia for Mac Reference Guide

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Version 11.1

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1. OVERVIEW

This Overview describes:

- [About the XML Client Interface for DAZzle and Endicia for Mac](#)
- [Standards](#)
- [Platform Differences](#)
- [Actions Supported](#)
- [Pass XML Data into DAZzle \[Windows Only\]](#)
- [Pass XML Data into Endicia for Mac \[Mac Only\]](#)
- [DAZzle Root XML Tag Options](#)
- [Current Changes](#)

About the XML Client Interface for DAZzle and Endicia for Mac

Endicia supports a variety of XML-based interfaces that can greatly enhance the communication between DAZzle or Endicia for Mac and other applications or systems. The Endicia XML Client Interface allows other applications to supply or retrieve information from Endicia, our postage printing service, using industry standard protocol. Also, a limited number of automation capabilities using the XML interface can streamline the interface process.

Note: This document has been updated to support both DAZzle and Endicia for Mac. Unless otherwise indicated, all methods are supported on both platforms.

Refer to the Current Changes section of this document for a list of changes.

Although there are already many powerful features, the XML interface is evolving to increase its functionality and breadth of information supported. Due to XML's flexibility, this should not cause backwards compatibility issues with early adopters of the interface, but there is no guarantee that new versions of DAZzle and Endicia for Mac may not require some modifications to existing systems.

If you are using the XML interface to Endicia as part of a product that will be distributed to other customers, please provide us with information about your interface. As part of our efforts to provide quality customer support for Endicia and any integrated or related products, please provide the following information:

- Name of the product and company supporting the Endicia XML Client Interface.
- Contact information (e-mail address and phone number) that our customers can use.
- Technical contact information (e-mail address and phone number) for Endicia technicians or developers.
- Types of interface support, for example, command line, directory monitoring, or Clipboard, and so on.
- Platforms tested on (Windows, Mac).
- Any instructions you give your customers or screenshots of the interface.

Please send this information by e-mail to partners@endicia.com.

Standards

DAZZle and Endicia for Mac support various different XML interfaces for different functions, and thus there are some differences in the syntax for each case. When similar information is shared between different functions, the XML is consistently named and used, but not all interfaces support the same feature set. Each of the interfaces described in this document details the supported tags and proper usage.

Platform Differences

DAZZle is the Microsoft Windows®-based client application for the Endicia Postage Printing service, and Endicia for Mac is the Apple® Mac OS XSM-based client application. Although they differ in their user interface, both have the same or similar postage-printing functionality and support most of the same XML commands. Due to platform and development differences, there are some differences. In this document, you can assume the XML will work on either platform unless otherwise noted. Each platform has a slightly different feature set. For example:

- Endicia for Mac does not support Layout files, so Endicia for Mac ignores those sections of the Endicia XML Client specification.
- DAZZle does not support Return Address Nicknames, so DAZZle ignores those XML tags.

Platform-specific features are identified by either:

- [Windows Only]—for DAZZle
- [Mac Only]—for Endicia for Mac.

Actions Supported

XML-formatted data can be used in a number of different ways within the client applications:

- **Printing:** DAZZle can print one or many addresses from an XML file. For more information, see the Printing section.
- **Verifying Addresses:** DAZZle can verify (and update) address information in an XML file. For more information, see the Address Verification section. [Windows Only]
- **Importing into the Address Book:** XML data can be loaded into the current DAZZle address book through XML. For more information, see the Address Book section. [Windows Only]
- **Exporting Data from the Postage Log:** Data from the DAZZle Postage Log can be copied to an XML-formatted file for transfer to other applications. For more information, see Postage Log section.

Pass XML Data into DAZZle [Windows Only]

The first three methods listed below use a standard Windows text file that contains XML-formatted data (as specified in the following sections). These XML-based files must use the extension “XML” for proper recognition and usage, for example packagedata.xml.

Printing, verifying, and importing addresses into the Address Book require XML files as inputs to DAZzle in order to work. Exporting data from the Postage Log creates an XML file as output to the menu item selected in DAZzle.

Interactively Using the DAZzle Menu

Through menus in DAZzle, you can interactively invoke each of the following actions using XML data:

- Print an XML-Formatted File
- Verify Addresses in an XML-formatted File
- Import Addresses into the Address Book
- Export Data from the Postage Log

Print an XML-Formatted File

The following step describes how to begin the process of printing an XML-formatted file.

Step

- From the **Design** tab in DAZzle, select **File > Print from...External File**. For more information, see the [Printing](#) section.

Verify Addresses in an XML-formatted File

The following step describes how to verify addresses in an XML-formatted file.

Step

- From the **Design** tab in DAZzle, select **Layout > Dial-A-ZIP from...External File**. For more information, see the [Address Verification](#) section.

Import Addresses into the Address Book

The following step describes how to import addresses into the Address Book.

Step

- From the **Address Book** tab in DAZzle, select **File > Import**, and then select an XML file. For more information, see the [Address Book](#) section.

Export Postage Log Data

The following steps describe how to export Postage Log data.

Steps

1. From the **Postage Log** tab, select **File > Export**.
2. Enter a starting date and an ending date.
3. Click the **Export** button.

4. In the Select Export File window:
 - a. Enter the name of an XML file to create.
 - b. In the **Save as type** field, select Text, XML Format.
5. Click Save.
For more information, see the [Postage Log](#) section.

Using the Command Line

DAZZle operations can be automated by launching DAZZle with an XML file in the command line interface. The specified XML file should include the optional “DAZZle” attributes to signal DAZZle which method to invoke (and any desired options for that method).

For example, the following command causes DAZZle to:

- Automatically load the file “c:\lists\listfile.xml” when DAZZle is launched.
- Follow any specified commands within the XML file.

```
dazzle.exe c:\lists\listfile.xml
```

If no automation command is within the XML file, DAZZle takes no action.

Refer to the method details for the attributes appropriate to that method. Also note that no other command line option can be used when specifying an XML file (the XML format provides for invoking other options).

Using Directory Monitoring

DAZZle monitors the directory “<dazzle>\xml” where <dazzle> is the directory containing the DAZZle executable for any XML files. When an XML file is found in this directory, it is automatically opened and printed according to all applicable tag commands. This feature can be used to automate DAZZle from other programs that produce XML output but have trouble launching DAZZle. Every 30 seconds DAZZle automatically checks the specified directory for any XML files. DAZZle prints the first XML file it finds, performing the print as if a user had selected it. When DAZZle is finished printing, the file is renamed with a “.BAK” extension so that the file is not processed repeatedly.

When using the directory monitoring option, the XML file must include the OutputFile option of the DAZZle tag, and that filename must use a different directory than the source directory or it will repeatedly process the file. For automation option information, see the [DAZZle Printing XML Syntax](#) section.

Using the Clipboard

The Clipboard can be used to transfer data to DAZZle for both the printing and address verification actions. The data should be formatted exactly the same as if these actions were performed using a file. If any DAZZle tag options are specified in the XML data, for example Start="PRINTING" or Prompt="NO", DAZZle will respond accordingly with the exception of the AutoClose option. The following topics summarize the methods of retrieving data from the Clipboard:

- [Manually Retrieve Clipboard Data](#)

- [Automatically Retrieve Clipboard Data](#)

Manually Retrieve Clipboard Data

The following step describes how to examine the Clipboard for XML-formatted data (one or more addresses may be in the XML data).

Step

- From the Design tab in DAZzle, select **Edit > Paste Address**.

The following step describes how to obtain address verification of the XML data.

Step

- From the Design tab, select **Layout > Dial-A-ZIP from...Clipboard**.

Automatically Retrieve Clipboard Data

The following steps describe how to have DAZzle constantly monitor the Clipboard for data and immediately act upon any properly formatted XML data found.

Steps

1. From either the Design tab or the Address Book tab in DAZzle, select **File > Preferences**.
2. On the Clipboard tab, select the **Monitor Clipboard for Addresses** option

Pass XML Data into Endicia for Mac [Mac Only]

Printing and Mailing-log exports use a text file that contains XML-formatted data, as specified in the following topics:

- [Print an XML-Formatted File](#)
- [Export Data from the Mailing Log](#)

These XML-based files must use the extension “XML” for proper recognition and usage, for example packagedata.xml. Endicia for Mac also supports passing the same XML tags for printing as a set of named pair through a custom URL type.

Print from an XML-Formatted File

The following step describes how to begin the process of printing from an XML-formatted file.

Step

- Do one or the other:
 - Select **File > Print from External XML File**.
 - Drag XML files on to the **Endicia for Mac** icon in the Dock.Endicia for Mac processes all the shipments contained in the file.

Export Data from the Mailing Log

The following steps describe how to export data from the Mailing Log.

Steps

1. Make the Mailing Log visible by either:
 - Clicking the **Mailing Log** icon in the main window, or
 - Selecting **Mailing Log > Mailing Log**.
2. Select **Mailing Log > Export**.
3. In the Export window, select the **Export** option, and click **OK**.
4. After entering the data range for the export data:
 - a. Enter the name of an XML file to create.
 - b. Select **XML Format** as the **Save as type** option.

For more information, see the [Postage Log](#) section.

Using the Command Line

You can automate printing operations by using the EndiciaTool command-line application.

```
./endiciatool -f /Users/username/sample-print.xml
```

The Endicia command-line tool is in the Endicia for Mac Extras folder of the original Endicia for Mac download disk image.

Using the Custom URL Type

One way to integrate Endicia for Mac into an existing Web-based workflow is through the `endicia://` URL type. Construct a URL that begins with `endicia://` and use any of the tags found in the following XML specifications. The XML tags are not nested when placed in the URL and are included as named pairs, such as:

```
endicia://newShipment2/?ToAddress=Pat%20Castaldo%0A312%20Columbia%20Street%20NW%20%20Suite%203%0A%20Olympia%20WA%2098501%0AUSA;ReferenceID=12345;ToEMail=mac%40endicia.com;Value=25.98;ToPhone=;MailClass=PRIORITY
```

The `endicia://` URLs can then be embedded in Web pages or called from other applications.

The following commands are for the base command in the URL:

- `newShipment2/?` (as illustrated in the preceding example) completes all of the necessary fields and prepares the label or envelope for printing, but does not actually print it. This allows the user to set other options interactively.
- `print/?` sets up the label and sends it to the printer without allowing any options to be set interactively.

Current Changes

This section describes current changes to the DAZzle XML interface. For information about changes to previous releases, see the [Change History](#).

Version 11.0

This document includes the following updates:

- Added the following value to the MailClass element of the XML Printing Elements table:
 - CRITICALMAIL
- Added the following values to the PackageType element of the XML Printing Elements table:
 - FLATRATELEGALENVELOPE
 - FLATRATEGIFTCARDENVELOPE
 - FLATRATEWINDOWENVELOPE
 - FLATRATECARDBOARDENVELOPE
 - SMALLFLATRATEENVELOPE
 - REGIONALRATEBOXA
 - REGIONALRATEBOXB
- Changed the description of the following PackageType element of the XML Printing Elements table:
 - FLATRATEPADDEDENVELOPE
- Added the following elements to the Services element of the XML Printing Elements table:
 - HoldForPickup
 - HFPFacilityID
 - HFPFacilityName
 - HFPFacilityAddress
 - HFPFacilityCity
 - HFPFacilityState
 - HFPFacilityZip5
 - HFPFacilityZip4

Version 10.3

This document includes the following update:

- Added code -12 Invalid feature for account to [Appendix B. Values for Status Tags](#).

Version 10.1

With the DAZzle 10.1 release, this document includes the following updates:

- Added support for additional numbered element tags 6-30 for CustomsQuantity, CustomsDescription, CustomsWeight, CustomsValue, and CustomsCountry.
- Added new CustomsHTS tag to XML Printing Elements table.
- May 25, 2010: Fixed typographical error. Was:

```
<ServicesCertifiedMail="OFF" DeliveryConfirmation="ON"
></Services>
```

Corrected to:

```
<Services CertifiedMail="OFF" DeliveryConfirmation="ON"
></Services>
```

Version 10.0

With the DAZzle 10.0 release, this document includes the following updates:

- Added the new [Flat Rate Padded Envelope](#) package type.
- Added a new [Parcel Select](#) mail class.

- Added a new value for status tag: -5, Unsupported domestic mail options (Windows only). See [Appendix B](#).

Version 9.3.01

With the DAZzle 9.3.01 release, this document includes a new chapter, [Vista and Windows 7 Compatible Installation and Updates](#), which describes the registry entries that make DAZzle data compatible with Microsoft Vista and Windows 7.

2. DAZZLE ROOT XML TAG OPTIONS

You can automate the processing of XML files and reduce the number of prompts to the user who is using the DAZzle XML root tag options. For Windows and Mac, the word “DAZzle” must always be the root element (the “header” tag) in the file and can use the options described below.

Note [Windows Only]: All DAZzle element attributes are ignored when invoking printing from the menu (that is, by selecting File > Print from...External File) because all options are set interactively.

The following topics describe the root-level tag options:

- [Automatically Invoke DAZzle Options—Start](#)
- [Change Layouts—Layout \[Windows Only\]](#)
- [Turn Off Alert Dialogs and Prompts—Prompt](#)
- [Abort Process When Prompts Are Disabled—AbortOnError](#)
- [Specify the Output File Name—OutputFile](#)
- [Automatically Close DAZzle when Done—AutoClose](#)
- [Print Test Labels—Test](#)
- [Skip Addresses That Do Not Verify—SkipUnverified](#)
- [Automatically Print Customs Forms—AutoPrintCustomsForms](#)

Automatically Invoke DAZzle Options—Start

DAZzle actions can be automatically invoked using the Start attribute of the DAZzle tag.

- Set `Start="PRINTING"` to start the printing of the XML data.
- Set `Start="DAZ"` to start the address verification process on the XML data. This option ONLY applies when using the Command Line launch method. For more information, see [Using the Command Line \[Windows Only\]](#).

Important! The following options do not apply to the address verification process.

Change Layouts—Layout [Windows Only]

Setting the Layout value to the fully qualified path name of a DAZzle layout file causes DAZzle to change to that layout prior to printing. This change only occurs one time per file (for example, you cannot change layouts in the middle of printing).

Note: The Change Layouts—Layout option does not apply to the address verification process.

Turn Off Alert Dialogs and Prompts—Prompt

Setting the Prompt value to “NO” causes the client application to suppress all option and information windows (for example, the “Don’t remind me again” dialog windows) so that printing is fully automated. Error messages may continue to appear.

Note: The Turn Off Alert Dialogs and Prompts—Prompt option does not apply to the address verification process.

For information about error handling, see the [AbortOnError](#) option, which follows. The default value for this attribute is “YES”.

Important! If the Prompt=“YES” option is selected, the user cannot override any value specified in the XML file. Thus, do NOT include data values for items that the user should enter or select.

Abort Process When Prompts Are Disabled—AbortOnError [Windows Only]

If the Prompt value is “YES” or AbortOnError value is “NO”, DAZzle prompts the user to respond should an error occur that causes either the Confirmation or Express Mail tracking number process or Endicia Postage process to fail. The user must then choose to continue despite the error or may abort the list printing. If AbortOnError is set to “YES”, all error messages are suppressed and DAZzle automatically aborts the list process if an error occurs. The default value for this attribute is “NO”.

Note: The Abort Process When Prompts Are Disabled–AbortOnError option does not apply to the address verification process.

Specify the Output File Name—OutputFile

When the Prompt value is “YES” (which is the default value), DAZzle prompts the user for the output file name. You can bypass the prompt and specify the output file name by using the OutputFile value. (For more information, see [Output Information](#) in the Printing section.) If no output file name is specified and the Prompt value is set to “NO”, the output file is automatically named “filename-output.xml”. Endicia for Mac will not prompt to name the output file, regardless of the value of this setting.

Note: The Specify the Output File Name–OutputFile option does not apply to the address verification process.

Automatically Close DAZzle When Done—AutoClose [Windows Only]

Setting the AutoClose value to “YES” causes DAZzle to automatically close when the printing of the addresses in the file is complete. The default value for this attribute is “NO”.

Note: The Specify the Output File Name–OutputFile option does not apply:

- To the address verification process.
- When printing from the Clipboard.

Print Test Labels—Test

Setting the Test value to “YES” causes DAZzle or Endicia for Mac to print sample indicia on each piece in the mailing and NOT use actual postage. This attribute can be useful to make test runs to make sure the printing and data are all correct before using actual postage. If this attribute is not specified, the real postage will be used. If you have also selected the Prompt=“YES” option, then this feature has no effect because the user can select Test Print or Print.

Note: The Print Test Labels–Test option does not apply to the address verification process.

Skip Addresses That Do Not Verify—SkipUnverified

Normally, DAZzle prints every address on a list, even if the address cannot be verified. When an address is not verified, no postage is printed with the unverified address. To skip the unverified addresses during printing, set the SkipUnverified value to “YES”. Endicia for Mac will always skip unverified addresses. Note: The Skip Addresses That Do Not Verify–SkipUnverified option does not apply to the address verification process.

Note: Endicia for Mac will not print addresses that cannot be verified.

Automatically Print Customs Forms—AutoPrintCustomsForms [Windows Only]

When printing from XML, DAZzle normally does not automatically print customs forms because it requires printing to a second printer and requires prompting the user, which disrupts the automated process.

Note: The Automatic Printing of Customs Forms–AutoPrintCustomsForms option does not apply to the address verification process.

Note: Endicia for Mac allows you to set a separate printer for customs forms and will automatically print the customs forms to that printer. The following section does not apply.

Use of this option (setting the value to “YES”) causes DAZzle to automatically print the requested customs form to the default Windows printer. (That is, there is no prompt to select the printer.) To make the best use of this option when using two printers, the label printer should be set in the DAZzle layout, and the default Windows printer should be set to a plain paper printer for the customs forms. Also remember that the customs form information only prints for items that request the customs form through XML data and have all the customs information properly supplied.

If this item is omitted or set to “NO”, DAZzle creates and records the customs form information, but will NOT print or prompt you to print the customs form during the printing process. Instead, the customs forms can be printed from the Postage Log with the Print Record option.

3. PRINTING

Printing of a single item or a list of items can be accomplished with appropriately formatted XML data (using either a file or the Clipboard).

Topics in this section include:

- DAZzle Printing XML Syntax

Endicia XML Client Printing Syntax

The Endicia Client XML printing tags are described in detail in the XML Printing Elements table.

The following important notes apply to all elements in the following table:

- Omitting any value causes the client application to use the current value for that element (or in the case of a list, the value for the previous item). This is especially important to consider for options that impact the rate paid (for example, insurance, Delivery Confirmation). If you turn ON an item for a single piece you MUST turn it off on the next item or it will stay on!
- *Italic* items are optional.
- **Bold** items are updated (or added if missing) when creating the output file or data.
- *Gray Elements* indicate the difference between the Windows (PC) and Mac implementations.

XML Printing Elements

Element	Type	Size or Values	Description
DAZzle	Root	-	The root node for the XML request.
Layout [Windows Only]	attribute	Filename	The fully qualified pathname of a DAZzle layout file. The attribute does NOT apply when started by selecting File > Print From External File from the Design tab.
Prompt	attribute	YES or NO	A value of NO causes DAZzle to suppress all printing windows and information boxes. This option does NOT apply to Start="DAZ".
AbortOnError [Windows Only]	attribute	YES or NO	A value of YES causes DAZzle to stop the list processing when a Delivery Confirmation or postage error is encountered AND the Prompt attribute is "NO". The default value is NO.
Test	attribute	YES or NO	A value of YES causes DAZzle to use sample postage for testing purposes. Any other value (or omission of this attribute) will use real postage. This option does NOT apply when Prompt="YES" (user clicks the Test Print button from the Print dialog box instead).
Start [Windows Only]	attribute	PRINTING DAZ	A value of PRINTING causes DAZzle to automatically start printing. A value of DAZ starts the address verification process.

Element	Type	Size or Values	Description
OutputFile	attribute	Filename	A value of Filename uses the fully qualified path name of a file for the output results of a printing.
SkipUnverified [Windows Only]	attribute	YES or NO	A value of YES causes DAZzle to not print addresses that cannot be verified. If set to NO (the default value) all addresses are printed, but if the address does not be verified, no postage will be printed with that address.
AutoClose [Windows Only]	attribute	YES or NO	A value of YES causes DAZzle to automatically close at the end of printing. This attributed does not apply to Start="DAZ". The default value is NO.
AutoPrintCustomsForms [Windows Only]	Attribute	YES or NO	A value of YES causes DAZzle to print any requested customs form to the default Windows printer. Endicia for Mac will always print a customs form, if possible.
Package	Node		Package information.
<i>ID</i>	<i>Numeric attribute</i>	<i>1-n</i>	<i>Specify the numeric identifier for each package in the request. There may be multiple package (indicium) requests.</i>

Element	Type	Size or Values	Description
MailClass	Text	NONE	Do not print postage
		FIRST	First Class Mail®
		PRIORITY	Priority Mail®
		PARCELPOST	Parcel Post®
		MEDIAMAIL	Media Mail®
		LIBRARYMAIL	Library Mail
		BOUNDPRINTEDMATTER	Bound Printed Matter
		EXPRESS	Express Mail®
		PRESORTEDFIRST	Presorted, First-Class®
		PRESORTEDSTANDARD	Presorted, Standard Class
		INTLFIRST	First-Class Mail International®
		INTLEXPRESS	Express Mail International®
		INTLPRIORITY	Priority Mail International®
		INTLGXG	Global Express® Guaranteed
		INTLGXGNODOC	Global Express Guaranteed Non-Documents
PARCESELECT	Parcel Select®. Delivery Confirmation or Signature Confirmation is required.		
CRITICALMAIL	Critical Mail—Only available to qualified Commercial Plus customers. PackageType has to be ENVELOPE or FLAT.		
DateAdvance	numeric	0-30	Specify the number of days to advance date the indicium. If you are using Delivery Confirmation, the maximum value is 7 days.

PackageType	Text	POSTCARD ENVELOPE FLAT RECTPARCEL NONRECTPARCEL FLATRATEENVELOPE FLATRATEBOX FLATRATELARGEBOX FLATRATESMALLBOX FLATRATEPADDEDENVELOPE FLATRATELEGALENVELOPE REGIONALRATEBOXA REGIONALRATEBOXB FLATRATEGIFTCARDNVELOPE FLATRATEWINDOWENVELOPE FLATRATECARDBOARDENVELOPE SMALLFLATRATEENVELOPE	Postcard First-Class Mail Letter First-Class Mail Large Envelope Rectangular Parcel—the standard parcel Non-rectangular parcel—impacts rate for Priority Mail Flat Rate Envelope—Priority and Express Mail Flat Rate Box—Priority Mail Large Flat Rate Box—Priority Mail (Domestic and International) Small Flat Rate Box—Priority Mail (Domestic and International) Flat Rate Padded Envelope—Priority Mail Flat Rate Legal Envelope—Priority Mail and Express Mail (Domestic only) Regional Rate Box A—Priority Mail (Domestic only) Regional Rate Box B—Priority Mail (Domestic only) Flat Rate Giftcard Envelope—Priority Mail and Express Mail (Domestic only) Flat Rate Window Envelope—Priority Mail and Express Mail (Domestic only) Flat Rate Cardboard Envelope—Priority Mail and Express Mail (Domestic only) Small Flat Rate Envelope—Priority Mail and Express Mail (Domestic only)
ReplyPostage	Text	TRUE FALSE	TRUE indicates that the item should print with reply postage, which means the Return and Destination addresses will be swapped when printing.
WeightOz	Numeric	0.0 to 1130.0 ounces	Set the weight of the package in ounces—to ONE decimal place.

<i>Width</i>	<i>Numeric</i>	<i>0.00 to 130.00 inches</i>	<p>Set the width (or height) of envelope, flat, or package. Optional, but should be supplied with Priority Mail items and is optional on all others.</p> <p>This value is required for qualified customers to access the Commercial Plus Cubic Pricing. If left blank, DAZzle will return weigh-base pricing.</p>
<i>Length</i>	<i>Numeric</i>	<i>0.00 to 130.00 inches</i>	<p>Set the length of envelope, flat or package. Optional, but should be supplied with Priority Mail items and is optional on all others.</p> <p>This value is required for qualified customers to access the Commercial Plus Cubic Pricing. If left blank, DAZzle will return weigh-base pricing.</p>
<i>Depth</i>	<i>Numeric</i>	<i>0.00 to 130.00 inches</i>	<p>Set the depth (or thickness) of envelope, flat, or package. Optional, but should be supplied with Priority Mail items and is optional on all others.</p> <p>This value is required for qualified customers to access the Commercial Plus Cubic Pricing. If left blank, DAZzle will return weigh-base pricing.</p>
<i>BalloonRate</i>	<i>Text</i>	<i>TRUE FALSE</i>	TRUE means to use the “balloon rate” for Priority Mail (the 20 lb rate).
<i>NonMachinable</i>	<i>Text</i>	<i>TRUE FALSE</i>	TRUE means use non-machinable rates. Applies to First-Class, Parcel Post, and First-Class Mail International.
<i>OversizeRate</i>	<i>Text</i>	<i>TRUE FALSE</i>	TRUE means use oversized rate for Parcel Post–NonMachinable MUST also be TRUE.
<i>Stealth</i>	<i>Text</i>	<i>TRUE FALSE</i>	Use TRUE to turn on the use of “stealth” or hidden postage. Use FALSE to turn off stealth. NOTE: Stealth can only be use on items with either confirmation or tracking.
<i>SignatureWaiver</i>	<i>Text</i>	<i>TRUE FALSE</i>	For Express Mail or Signature Confirmation, indicates if the signature requirement can be waived. Use TRUE to allow waiver of signature.
<i>ExpressMailPremium Service</i>	<i>Text</i>	<i>TRUE FALSE</i>	Enable Premium Service (Sunday/Holiday Delivery) for Express Mail–ONLY applies when Mail Class is Express Mail Turn off Premium Service.
<i>NoWeekendDelivery</i>	<i>Text</i>	<i>TRUE FALSE</i>	For Express Mail, use TRUE to request NO delivery on a weekend.
<i>NoHolidayDelivery</i>	<i>Text</i>	<i>TRUE FALSE</i>	For Express Mail, use TRUE to request NO delivery on a holiday.
<i>ReturnToSender</i>	<i>Text</i>	<i>TRUE FALSE</i>	For Global Express Mail, use TRUE to indicate item should be returned to sender if undeliverable. Currently this MUST be TRUE.

<i>Services</i>	<i>Node</i>		<i>Special Services requested for the package.</i>
<i>RegisteredMail</i>	<i>Attribute</i>	<i>ON OFF</i>	<i>Registered Mail requested Registered Mail not requested</i>
<i>InsuredMail</i>	<i>Attribute</i>	<i>ON OFF ENDICIA UPIC</i>	<i>USPS Insurance requested Note: USPS Insurance is not allowed with Stealth=TRUE No insurance requested Endicia Parcel Insurance requested Note: The maximum insurable value for Endicia Parcel Insurance is \$10,000. UPIC insurance requested Note: Endicia for Mac supports only Endicia Parcel Insurance.</i>
<i>CertifiedMail</i>	<i>Attribute</i>	<i>ON OFF</i>	<i>Certified Mail requested Certified Mail not requested</i>
<i>RestrictedDelivery</i>	<i>Attribute</i>	<i>ON OFF</i>	<i>Restricted Delivery requested Restricted Delivery not requested</i>
<i>CertificateOfMailing</i>	<i>Attribute</i>	<i>ON OFF</i>	<i>Certificate Of Mailing requested Certificate Of Mailing not requested</i>
<i>ReturnReceipt</i>	<i>Attribute</i>	<i>ON OFF</i>	<i>Return Receipt requested Return Receipt not requested</i>
<i>DeliveryConfirmation</i>	<i>Attribute</i>	<i>ON OFF</i>	<i>Delivery Confirmation requested Delivery Confirmation not requested</i>
<i>SignatureConfirmation</i>	<i>Attribute</i>	<i>ON OFF</i>	<i>Signature Confirmation requested Signature Confirmation not requested</i>
<i>COD</i>	<i>Attribute</i>	<i>ON OFF</i>	<i>COD requested COD not requested</i>
<i>HoldForPickup</i>	<i>Text</i>	<i>TRUE FALSE</i>	<i>For Express Mail, Priority Mail, First Class Mail, Parcel Select, use TRUE to indicate Hold For Pickup requested.</i>
<i>HFPFacilityID</i>	<i>Text</i>	<i>20</i>	<i>Facility ID of the Post Office that will hold the item for pickup.</i>
<i>HFPFacilityName</i>	<i>Text</i>	<i>150</i>	<i>Facility name of the Post Office that will hold the item for pickup.</i>
<i>HFPFacilityAddress</i>	<i>Text</i>	<i>150</i>	<i>Facility address of the Post Office that will hold the item for pickup.</i>
<i>HFPFacilityCity</i>	<i>Text</i>	<i>50</i>	<i>City of the Post Office that will hold the item for pickup.</i>

<i>HFPFacilityState</i>	<i>Text</i>	25	<i>State of the Post Office that will hold the item for pickup.</i>
<i>HFPFacilityZip5</i>	<i>Text</i>	5	<i>5 digit ZIP Code of the Post Office that will hold the item for pickup.</i>
<i>HFPFacilityZip4</i>	<i>Text</i>	4	<i>+4 add-on ZIP Code of the Post Office that will hold the item for pickup.</i>
<i>CostCenter</i>	<i>Numeric</i>	8	<i>Optional cost-center code for accounting purposes</i>
<i>Value</i>	<i>Currency</i>	99,999.99	<i>Value of the item shipped. Used for insurance and other optional services (to the cent). Required if an optional service is used that requires this value. For items that use the international mail customs forms, this value must be the sum of the individual customs items.</i>
<i>Description</i>	<i>Text</i>	50	<i>Description of the item shipped. Used for authentication by recipient</i>
<i>CustomsFormType</i>	<i>Text</i>	<i>NONE</i> <i>CN22</i> <i>CP72</i>	<i>Optional: Type of customs form to create</i> <i>CN22 is the same as Form 2976.</i> <i>CP72 is the same as 2976A.</i>
<i>CustomsQuantityN</i>	<i>Numeric</i>	8	<i>Optional: "N" can be any integer from 1 through 30. Quantity of the "Nth" item in customs declaration.</i> <i>For Windows only.</i>
<i>CustomsDescriptionN</i>	<i>Text</i>	50	<i>Optional: "N" can be any integer from 1 through 30. Description of the "Nth" item in the customs declaration.</i> <i>For Windows only.</i>
<i>CustomsWeightN</i>	<i>Numeric</i>	8	<i>Optional: "N" can be any integer from 1 through 30. Weight of the "Nth" item in customs declaration—in ounces.</i>
<i>CustomsValueN</i>	<i>Currency</i>	99,999.99	<i>Optional: "N" can be any integer from 1 through 30. Value of the "Nth" item in the customs declaration.</i> <i>For Windows only.</i>
<i>CustomsCountryN</i>	<i>Text</i>	25	<i>Optional: "N" can be any integer from 1 through 30. Country of Origin for the "Nth" item in the customs declaration. This MUST be a valid, USPS recognized country.</i> <i>For Windows only.</i>
<i>CustomsHTSN</i>	<i>Numeric</i>	10	<i>Optional: "N" can be any integer from 1 through 30. Harmonized Tariff Schedule (HTS) ID for the "Nth" item in customs declaration.</i> <i>For Windows only.</i>

ContentsType	Text	SAMPLE GIFT DOCUMENTS OTHER MERCHANDISE RETURNEDGOODS	Optional: Type of contents for international customs forms. Must be one of these values.
CustomsSigner	Text	100	Name of person certifying that the customs information is correct. This name will be printed on the customs form in place of a signature IF CustomsCertify is TRUE.
CustomsCertify	Text	TRUE FALSE	TRUE means the customs information is certified to be correct and the CustomsSigner name should be printed.
EndorsementLine	Text	150	Address endorsement line, for example, AutoCR xx **. Always first addressline,if used.
ReferenceID	Text	25	A reference value for logs
ToName	Text	150	Destination Name
ToTitle	Text	150	Title (follows name line)
ToCompany	Text	150	Company name
ToAddress1	Text	150	First address line
ToAddress2	Text	150	Second address line
ToAddress3	Text	150	Third address line
ToAddress4	Text	150	Fourth address line
ToAddress5	Text	150	Fifth address line
ToAddress6	Text	150	Sixth address line
ToCity	Text	50	Destination City
ToState	Text	25	Destination State or Province
ToPostalCode	Text	15	Destination Postal-code. The format is either ZIP5 only or ZIP+4 for US addresses.
ToZIP4	Text	5	+4 add-on for US addresses.
ToCountry	Text	50	Destination Country. This value should be left blank for USA addresses.
ToDeliveryPoint	Text	3	Delivery point digits for destination address
ToCarrierRoute	Text	5	Carrier route for destination address
ToReturnCode	Text	3	CASS returncode for address validation. Refer to the Values for Status Tag table in the Appendix.
ToEMail	Text	150	E-mail address for recipient—for logging only. Either ToEmail or ToSMS is required when HoldForPickup is TRUE.
ToSMS	Text	50	A phone number for the recipient that the USPS can send SMS messages to. Either ToEmail or ToSMS is required when HoldForPickup is TRUE.
ToPhone	Text	50	Phone number for recipient (required when mailing to a P.O. Box and sending through First-Class Mail International, Priority Mail International, and Express Mail International)

RubberStampN	Text	50	Replaces text in the rubber stamp on the layout associated with database field “N” (set up in the rubber stamp options). “N” can be any value from 1 to 100. The Mac client supports up to two Rubber Stamps.
ReturnAddress [Mac Only]	Text		Entire return address as a string with line breaks.
ReturnAddressPhone [Mac Only]	Text		Telephone associated for a ReturnAddress (used for Customs form)
ReturnAddressNickname [Mac Only]	Text		The nickname of an address in the “From” Pop-up. Specifying the nickname allows omitting the entire ReturnAddress in each request.
ReturnAddress1	Text	150	First return address line
ReturnAddress2	Text	150	Second return address line
ReturnAddress3	Text	150	Third return address line
ReturnAddress4	Text	150	Fourth return address line
ReturnAddress5	Text	150	Fifth return address line
ReturnAddress6	Text	150	Sixth return address line
Status	Text	Success or Failure	Indicates if the printing succeeded or failed. Output only. Success —no errors Rejected (x) —error occurred Refer to the Values for Status Tag table in the Appendix for possible error code values.
PIC	Text	USPS tracking number	Tracking number (Delivery Confirmation, Signature Confirmation, CONFIRM or Express Mail) supplied by the USPS. Output only.
CustomsNumber	Text	USPS Customs number	USPS assigned Customs number for Customs Forms Declaration. Output only.
FinalPostage	Currency	99,999.99	Actual postage for transaction. Output only.
TransactionID	Numeric		Unique ID for transaction—corresponds to the piece count for the account used. Output only.
TransactionDateTime	Date	YYYYMMDDHHMMSS	Date and time the transaction was created. Output only.
PostmarkDate	Date	YYYYMMDD	Indicates the postmark date. Output only.

Syntax Sample of a Printing and XML File

The following listing shows a syntax sample of a printing XML file.

Note: These examples will work on either DAZzle or Endicia for Mac, but for Endicia for Mac the OutputFile option must be set to a Mac-friendly path name, such as “~/Documents/sample.xml”.

Listing 1—Sample Printing XML

```
<DAZzle Layout="c:\Program Files\Envelope Manager\DAZzle\Zebra.lyt"
OutputFile='C:\DAZZLE sample.XML' Start='PRINTING' Test='NO' Prompt='YES'
AutoClose='NO'>
  <Package ID='1'>
    <MailClass>PRIORITY</MailClass>
    <DateAdvance>4</DateAdvance>
    <PackageType>FLATRATENVELOPE</PackageType>
    <OversizeRate>FALSE</OversizeRate>
    <WeightOz>5</WeightOz>
    <Width>5</Width>
    <Length>12.0</Length>
    <Depth>5.5</Depth>
    <Services CertifiedMail="OFF" DeliveryConfirmation="ON"
  ></Services>
    <Value>27.00</Value>
    <Description>t-shirts</Description>
    <ReferenceID>0038005</ReferenceID>
    <ToName>Mrs. Sample Name</ToName>
    <ToAddress1>247 high st</ToAddress1>
    <ToCity>Palo Alto</ToCity>
    <ToState>CA</ToState>
    <ToPostalCode>94031</ToPostalCode>
    <ToEMail>SampleName@notreal.org</ToEMail>
  </Package>
</DAZzle>
```

Listing 2—Sample XML for International Mail

```
<DAZzle Start="PRINTING" Prompt="YES" AutoClose="NO" Test="NO"
OutputFile="C:\singleintlout.xml" AutoPrintCustomsForms="YES">
  <Package ID="1">
    <MailClass>INTLFIRST</MailClass>
    <PackageType>RECTPARCEL</PackageType>
    <DateAdvance>0</DateAdvance>
    <WeightOz>40</WeightOz>
    <Services
      RegisteredMail = 'OFF'
      InsuredMail = 'ON'
      CertifiedMail = 'OFF'
      RestrictedDelivery = 'OFF'
      CertificateOfMailing = 'OFF'
      ReturnReceipt = 'OFF'
      DeliveryConfirmation = 'OFF'
      SignatureConfirmation = 'OFF'
      COD = 'OFF' >
    </Services>
    <Value>24.45</Value>
    <Description>Men's cotton shirt</Description>
    <CustomsFormType>CN22</CustomsFormType>
    <CustomsQuantity1>1</CustomsQuantity1>
    <CustomsWeight1>40</CustomsWeight1>
    <CustomsDescription1>Men's Cotton Shirt</CustomsDescription1>
    <CustomsValue1>24.45</CustomsValue1>
```

```

    <CustomsCountry1>Italy</CustomsCountry1>
    <CustomsCertify>TRUE</CustomsCertify>
    <CustomsSigner>Joe Customer</CustomsSigner>
    <ToName>Joe Bloe</ToName>
    <ToCompany></ToCompany>
    <ToAddress1>1900 Queen Mary Ave</ToAddress1>
    <ToAddress2></ToAddress2>
    <ToCity>Brampton</ToCity>
    <ToState>ON</ToState>
    <ToPostalCode>L7A 1Y3</ToPostalCode>
    <ToCountry>CANADA</ToCountry>
    <ToEMail>jobloe@phoneyyahoo.com</ToEMail>
    <RubberStamp1>Item Description</RubberStamp1>
    <RubberStamp2>381099999</RubberStamp2>
  </Package>
</DAZzle>

```

Listing 3—Sample Multiple Item XML File

```

<DAZzle Start='PRINTING' Prompt='YES' AutoClose='NO'
OutputFile='c:\testout.xml' Test='YES'>
<Package ID="1">
  <MailClass>FIRST</MailClass>
  <PackageType>ENVELOPE</PackageType>
  <DateAdvance>0</DateAdvance>
  <WeightOz>5</WeightOz>
  <Services InsuredMail="ON" DeliveryConfirmation="OFF"
COD="OFF"></Services>
  <CostCenter>25</CostCenter>
  <Value>25.00</Value>
  <Description>test 1</Description>
  <ReferenceID>10</ReferenceID>
  <ToName>Mark Thomas</ToName>
  <ToCompany>PSI</ToCompany>
  <ToAddress1>247 High St</ToAddress1>
  <ToCity>Palo Alto</ToCity>
  <ToState>CA</ToState>
  <ToPostalCode>94301</ToPostalCode>
  <ToEMail>mt@yahoo.com</ToEMail>
  <ToPhone>650 321-2640</ToPhone>
</Package>
<Package ID="2">
  <MailClass>PRIORITY</MailClass>
  <PackageType>RECTPARCEL</PackageType>
  <DateAdvance>0</DateAdvance>
  <WeightOz>16</WeightOz>
  <Services DeliveryConfirmation="ON" COD="OFF"></Services>
  <CostCenter>35</CostCenter>
  <Value>35.00</Value>
  <Description>test 2</Description>
  <ReferenceID>20</ReferenceID>
  <ToName>Jessie Montgomery</ToName>
  <ToCompany></ToCompany>
  <ToAddress1>110 Main St</ToAddress1>
  <ToCity>Los Altos</ToCity>
  <ToState>CA</ToState>
  <ToPostalCode>94024</ToPostalCode>

```

```

</Package>
<Package ID="3">
  <MailClass>PRIORITY</MailClass>
  <PackageType>FLATRATEBOX</PackageType>
  <DateAdvance>0</DateAdvance>
  <WeightOz>16</WeightOz>
  <Services SignatureConfirmation="ON"></Services>
  <CostCenter>45</CostCenter>
  <Value>45.00</Value>
  <Description>test 3</Description>
  <ReferenceID>30</ReferenceID>
  <ToName>Susan Williams</ToName>
  <ToCompany></ToCompany>
  <ToAddress1>818 Carmel Ave</ToAddress1>
  <ToCity>Los Altos</ToCity>
  <ToState>CA</ToState>
  <ToPostalCode>94022</ToPostalCode>
</Package>
</DAZzle>

```

Output Information

DAZzle and Endicia for Mac return printing information in XML format when printing from an XML file source (that is, it does NOT create output when printing from the Clipboard). The output data are in the same XML format as was supplied. If the application had updated a data element, the output file contains the updated element (for example, address data had changed during the verification process). If the data element is NOT in the original source data, the application will add the information to the output XML. For information about each tag that is updated or added, see the [Endicia Client XML Printing Syntax](#) section.

The location of the output data varies depending on the source (input).

- For an external file, when printing from a file, DAZzle prompts the user for the name of an output file to store the results. The default name is the source file name with “output” appended (for example filename-output.xml). When using automated printing with the Prompt element set to no, the default file name is automatically used (any existing file with this name will be overwritten).
- For the Clipboard, DAZzle does not return any information to the Clipboard when using XML. If return information is desired, use a file-based approach. [Windows Only]

4. ADDRESS VERIFICATION [WINDOWS ONLY]

Verifying a list of addresses can be accomplished with an appropriately formatted XML file.

DAZzle Address Verification XML Syntax

The DAZzle XML address verification syntax is actually the same as the syntax for Printing, except many tags are not required (or otherwise ignored). The minimum set of data is listed in detail in the following table.

Note: Address Verification through XML cannot be fully automated; it will always have user prompts and cannot be started using directory monitoring.

The following applies to all elements in the following table:

- *Italic* items are optional.
- **Bold** items are exported (or added if missing).

Table 3—XML Verification Elements

Element	Type	Size or Values	Description
DAZzle	Root	-	The root node for the XML request.
Package	Node	-	Package information.
<i>ID</i>	<i>Numeric</i>	<i>1-n</i>	<i>Numeric identifier for each address in the request. There may be multiple address (indicium) requests.</i>
<i>ToName</i>	<i>Text</i>	<i>150</i>	<i>Destination Name.</i>
<i>ToTitle</i>	<i>Text</i>	<i>150</i>	<i>Title (follows name line).</i>
<i>ToCompany</i>	<i>Text</i>	<i>150</i>	<i>Company name.</i>
<i>ToAddress1</i>	<i>Text</i>	<i>150</i>	<i>First address line.</i>
<i>ToAddress2</i>	<i>Text</i>	<i>150</i>	<i>Second address line.</i>
<i>ToAddress3</i>	<i>Text</i>	<i>150</i>	<i>Third address line.</i>
<i>ToAddress4</i>	<i>Text</i>	<i>150</i>	<i>Fourth address line.</i>
<i>ToAddress5</i>	<i>Text</i>	<i>150</i>	<i>Fifth address line.</i>
<i>ToAddress6</i>	<i>Text</i>	<i>150</i>	<i>Sixth address line.</i>
<i>ToCity</i>	<i>Text</i>	<i>50</i>	<i>Destination City.</i>
<i>ToState</i>	<i>Text</i>	<i>25</i>	<i>Destination State or Province.</i>
<i>ToPostalCode</i>	<i>Text</i>	<i>15</i>	<i>Destination Postal Code. The format is either ZIP5 only or ZIP+4 for US addresses.</i>
<i>ToZIP4</i>	<i>Text</i>	<i>5</i>	<i>+4 add-on for US addresses.</i>
<i>ToCountry</i>	<i>Text</i>	<i>50</i>	<i>Destination Country.</i>
<i>ToDeliveryPoint</i>	<i>Text</i>	<i>3</i>	<i>Delivery point digits for destination address.</i>
<i>ToCarrierRoute</i>	<i>Text</i>	<i>5</i>	<i>Carrier route for destination address.</i>
<i>ToReturnCode</i>	<i>Text</i>	<i>3</i>	<i>CASS return code for address validation</i> Refer to the Values for Status Tag table in the Appendix.

Syntax Sample for an Address Verification XML File for DAZzle

The following listing gives a syntax sample for an address verification XML file for DAZzle.

Listing 4— Address Verification XML

```
<DAZzle>
  <Package ID="x">
    <ToName></ToName>
    <ToTitle></ToTitle>
    <ToCompany></ToCompany>
    <ToAddress1></ToAddress1>
    <ToAddress2></ToAddress2>
    <ToAddress3></ToAddress3>
    <ToAddress4></ToAddress4>
    <ToAddress5></ToAddress5>
    <ToAddress6></ToAddress6>
    <ToCity></ToCity>
    <ToState></ToState>
    <ToPostalCode></ToPostalCode>
    <ToZIP4></ToZIP4>
    <ToCountry></ToCountry>
    <ToDeliveryPoint></ToDeliveryPoint>
    <ToCarrierRoute></ToCarrierRoute>
    <ToReturnCode></ToReturnCode>
  </Package>
</DAZzle>
```

Output Information

DAZzle updates the source data with the results of the address verification process. The output data is in the same XML format as was supplied. If DAZzle updated a data element, the output file will contain the updated element. If the data element is NOT in the original source data, DAZzle will add the information to the XML data. Refer to the Address Verification XML listing for details on each tag that is updated or added.

Note: The verification process truly updates the source data. This is different than printing with XML that only includes printed items in the output result set. If an address fails verification, it is still updated with the return code that indicates why the verification failed.

5. ADDRESS BOOK [WINDOWS ONLY]

Data may be imported into or exported from the DAZzle Address Book through XML-formatted text files.

Import XML Data

To import XML data into the DAZzle Address Book, select File > Import from the Address Book tab. Then, change the file type to “Text, XML Format” and select the XML file. If the file is a properly formatted XML file, all of the data items will be immediately imported (added) to the DAZzle Address Book.

Export XML Data

To export DAZzle Address Book information to an XML-formatted file, select File > Export from the menu. Change the file type to “Text, XML format” and select a file name with an XML extension. DAZzle then exports all selected addresses to that file in XML format.

The following applies to all elements in the following table:

- Italic items are optional.
- Bold items are exported (or added if missing).

Table 4—XML Verification Elements

Element	Type	Size or Values	Description
DAZzle	Root	-	The root node for the XML request.
Package	Node	-	Package information.
<i>ID</i>	<i>numeric</i>	<i>1-n</i>	<i>Numeric identifier for each address in the request. There may be multiple addresses.</i>
<i>ToSalutation</i>	<i>Text</i>	<i>50</i>	<i>Salutation (for example Mr., Mrs., Dr., etc.), export only</i>
<i>ToFirstName</i>	<i>Text</i>	<i>50</i>	<i>First name, export only</i>
<i>ToMiddleName</i>	<i>Text</i>	<i>50</i>	<i>Middle name, export only</i>
<i>ToLastName</i>	<i>Text</i>	<i>50</i>	<i>Last name, export only</i>
<i>ToName</i>	<i>Text</i>	<i>150</i>	<i>Name</i>
<i>ToTitle</i>	<i>Text</i>	<i>150</i>	<i>Title (follows name line)</i>
<i>ToCompany</i>	<i>Text</i>	<i>150</i>	<i>Company name</i>
<i>ToAddress1</i>	<i>Text</i>	<i>150</i>	<i>First address line</i>
<i>ToAddress2</i>	<i>Text</i>	<i>150</i>	<i>Second address line</i>
<i>ToAddress3</i>	<i>Text</i>	<i>150</i>	<i>Third address line</i>
<i>ToAddress4</i>	<i>Text</i>	<i>150</i>	<i>Fourth address line</i>
<i>ToAddress5</i>	<i>Text</i>	<i>150</i>	<i>Fifth address line</i>
<i>ToAddress6</i>	<i>Text</i>	<i>150</i>	<i>Sixth address line</i>
<i>ToCity</i>	<i>Text</i>	<i>50</i>	<i>City</i>
<i>ToState</i>	<i>Text</i>	<i>25</i>	<i>State or province</i>
<i>ToPostalCode</i>	<i>Text</i>	<i>15</i>	<i>Postal code. The format is either ZIP5 only or ZIP+4 for US addresses.</i>
<i>ToZIP4</i>	<i>Text</i>	<i>5</i>	<i>+4 add-on for US addresses</i>
<i>ToCountry</i>	<i>Text</i>	<i>50</i>	<i>Country</i>
<i>ToDeliveryPoint</i>	<i>Text</i>	<i>3</i>	<i>Delivery point digits for address</i>
<i>ToCarrierRoute</i>	<i>Text</i>	<i>5</i>	<i>Carrier route for address</i>

Element	Type	Size or Values	Description
<i>ToReturnCode</i>	<i>Text</i>	<i>3</i>	<i>CASS return code for address validation</i> Refer to the Values for Status Tag table in the Appendix.
<i>ToCASSDate</i>	<i>Date</i>	<i>YYYYMMDD</i>	<i>Date of CASS verification</i>
<i>ToEmail</i>	<i>Text</i>	<i>100</i>	<i>E-mail address</i>
<i>ToPhone</i>	<i>Text</i>	<i>20</i>	<i>Phone number for recipient (required when mailing to a P.O. Box and sending through First-Class Mail International, Priority Mail International, and Express Mail International)</i>

Listing 5—Address Book XML

```

<DAZzle>
  <Package ID="x">
    <ToName></ToName>
    <ToTitle></ToTitle>
    <ToCompany></ToCompany>
    <ToAddress1></ToAddress1>
    <ToAddress2></ToAddress2>
    <ToAddress3></ToAddress3>
    <ToAddress4></ToAddress4>
    <ToAddress5></ToAddress5>
    <ToAddress6></ToAddress6>
    <ToCity></ToCity>
    <ToState></ToState>
    <ToPostalCode></ToPostalCode>
    <ToZIP4></ToZIP4>
    <ToCountry></ToCountry>
    <ToDeliveryPoint></ToDeliveryPoint>
    <ToCarrierRoute></ToCarrierRoute>
    <ToReturnCode></ToReturnCode>
    <ToEMail></ToEMail>
    <ToPhone></ToPhone>
  </Package>
</DAZzle>

```

6. POSTAGE LOG

Data may be exported from the DAZzle Postage Log (referred to as the Mailing Log in Endicia for Mac) through XML-formatted text files.

Export Data from the Postage Log

To export DAZzle postage log information to an XML-formatted file, click the Backup/Export button on the Postage Log window. On the Backup options window, select Export and then click OK. Select the file type of Text, XML Format and enter the XML file name, and DAZzle will then export all postage log records to that file in XML format.

Table 5—XML Log Elements

Element	Type	Size or Values	Description
DAZZleLog	Root	-	The root node for the XML
Record	Node	-	Record information
ID	Numeric attribute	1-n	Numeric identifier for each record. Sequential entry in the log file.
Account	Text	6	Six-digit customer account number
DeviceID	Text	10	Corresponds to the device ID printed with each postage indicia.
AccountName	Text	60	Sender's name
TransactionID	Numeric		Unique ID for transaction—corresponds to the piece count for the account used.
Status	Text	Success or Failure	Success means transaction completed successfully.
TransactionType	Numeric	2	07 is postage purchase. 08 is a "stamp".
TransactionDateTime	Date	YYYYMMDDHHMMSS	Date and time the transaction was created.
PostmarkDateTime	Date	MM/DD/YYYY	Postmark date printed with indicia
AccountBalance	Currency	10	Funds remaining in account after transaction
MailClass	text	None First Class First Class, Postcard Priority Mail (and so on)	Mail class used for the item.
WeightOz	Numeric	6	Weight of the package in ounces
Services	Node	-	Special Services requested for the package.
RegisteredMail	Attribute	ON	Registered Mail requested
		OFF	Registered Mail not requested
InsuredMail	Attribute	ON	Insurance requested
		OFF	Insurance not requested
CertifiedMail	Attribute	ON	Certified Mail requested
		OFF	Certified Mail not requested
RestrictedDelivery	Attribute	ON	Restricted Delivery requested
		OFF	Restricted Delivery not requested

CertificateOfMailing	Attribute	ON	Certificate Of Mailing requested
		OFF	Certificate Of Mailing not requested
ReturnReceipt	Attribute	ON	Return Receipt requested
		OFF	Return Receipt not requested
DeliveryConfirmation	Attribute	ON	Delivery Confirmation® requested
		OFF	Delivery Confirmation not requested
SignatureConfirmation	Attribute	ON	Signature Confirmation® requested
		OFF	Signature Confirmation not requested
COD	Attribute	ON	COD requested
		OFF	COD not requested
CostCenter	Numeric	8	Optional cost center code for accounting purposes—this is listed as Group Code in the DAZZle Print window.
Value	Currency	99,999.99	Value of the item shipped. Used for insurance and other optional services (to the cent).
Description	Text	50	Description of the item shipped. Used for authentication by recipient.
ReferenceID	Text	25	A reference value for logs
ToAddress	Text	150	First address line
ToPostalCode	Text	15	Destination Postal Code. The format is either ZIP5 only or ZIP+4 for US addresses.
ToEMail	Text	150	E-mail address for recipient—for logging only
ToPhone	Text	50	Phone number for recipient (required when mailing to a P.O. Box and sending through First-Class Mail International, Priority Mail International, and Express Mail International)
PIC	Text	USPS tracking number	Tracking number (Delivery Confirmation, Signature Confirmation, or Express Mail) supplied by the USPS
CustomsID	Text	15	Customs ID associated with international mail items
InsuranceType	Text	UPIC ENDICIA USPS NONE	Type of insurance used
ExpressMailOptions	Text		Coded field for Express Mail options selected
ReplyPostage	Text	YES NO	Was Reply Postage used?
Reprinted	Text	YES NO	Was the item reprinted?
RefundStatus	Text	YES NO	Was e-refund selected for this item?

DeliveryStatus	Text		Coded field indicating the delivery status of the item (if some form of tracking was used).
DeliveryDescription	Text	50	Delivery status description from the USPS
CustomsContentType	Numeric	0=Sample 1=Gift 2=Documents 3=Other 4=None 5=Returned goods	Content Type selected on customs forms (if applicable)
CustomsFormType	Numeric	0=None 2=2976A (CN22) 3=2976 (CP72)	Customs form used (if applicable)
CustomsDescriptionX	Text	25	Description for line X of customs form
CustomsQuantityX	Numeric	10	Quantity for line X of customs form
CustomsWeightX	Numeric	10	Weight (ounces) for line X of customs form
CustomsValueX	Currency	10	Value for line X of customs form
CustomsCountryX	Text	25	Origin Country for line X of customs form
FinalPostage	Currency	99,999.99	Actual postage for transaction

Listing 6—Postage Log XML

```

<DAZzleLog Account='601225' Name='Joe Customer' Phone='(650) 555-2640'
Email='joe@companyname.com'>
<Record ID="6990">
<Account>601225</Account>
<DeviceID>071V00601225</DeviceID>
<AccountName> Joe Customer </AccountName>
<TransactionID>12289</TransactionID>
<TransactionDateTime>09/06/2006 10:24 AM</TransactionDateTime>
<Status>Success</Status>
<TransactionType>08</TransactionType>
<AccountBalance>40,627.302</AccountBalance>
<PostmarkDateTime>09/06/2006</PostmarkDateTime>
<ToAddress>DAVID Recipient, 15021 NE 31st St, Vancouver, WA 98682-
8302</ToAddress>
<ToPostalCode>98682830221</ToPostalCode>
<FinalPostage>1.73</FinalPostage>
<MailClass>Package, Media Mail</MailClass>
<Services DeliveryConfirmation = 'ON'></Services>
<WeightOz>16</WeightOz>
<PIC>910214800860000012345</PIC>
<Description>AOB 290014164666-370802792</Description>
<Value>0.00</Value>
<CostCenter>0</CostCenter>
<Insurance>NONE</Insurance>
<ReplyPostage>NO</ReplyPostage>
<Reprinted>NO</Reprinted>
<CustomsContentType>4</CustomsContentType>
</Record>
<Record ID="7002">
<Account>601225</Account>
<DeviceID>071V00601225</DeviceID>
<AccountName> Joe Customer </AccountName>
<TransactionID>12301</TransactionID>

```

<TransactionDateTime>09/07/2006 4:52 PM</TransactionDateTime>
<Status>Success</Status>
<TransactionType>08</TransactionType>
<AccountBalance>40,586.192</AccountBalance>
<PostmarkDateTime>09/07/2006</PostmarkDateTime>
<ToAddress>Fernando Imagine, 17 Calle Bonaparte Apt 1, Caguas, PR 00725-7101</ToAddress>
<ToPostalCode>00725710101</ToPostalCode>
<FinalPostage>18.80</FinalPostage>
<MailClass>Express Mail</MailClass>
<Services></Services>
<WeightOz>16</WeightOz>
<PIC>EO010000203US</PIC>
<Value>0.00</Value>
<CostCenter>0</CostCenter>
<Insurance>NONE</Insurance>
<ExpressMailOptions>NYY</ExpressMailOptions>
<ReplyPostage>NO</ReplyPostage>
<Reprinted>NO</Reprinted>
<CustomsContentType>4</CustomsContentType>
</Record>
</DAZzleLog>

7. VISTA AND WINDOWS 7 COMPATIBLE INSTALLATION AND UPDATES

The main sections of this chapter discuss:

- [Vista and Windows 7 Compatible New Installations for DAZzle](#)
- [Vista and Windows 7 Compatible Updates for Existing Installations of DAZzle](#)

Vista and Windows 7 Compatible New Installations for DAZzle

When performing a new or “fresh” installation of the Vista and Windows 7 compatible version of DAZzle, a dialog box prompts the user to choose between installing DAZzle in Shared mode or Private mode. The default value is Shared.

Under Shared mode:

- All data files are installed to the `%COMMON_DOCUMENT%\Endicia\DAZzle` folder, for example, `C:\Users\Public\Documents\Endicia\DAZzle`.

Under the Private mode:

- Application data files are installed to the user’s `%APPLICATION_DATA%\Endicia\DAZzle` folder, for example, `C:\Users\\AppData\Roaming\Endicia\DAZzle`.
- All user data files are installed to the user’s `%PERSONAL_DOCUMENTS%\Endicia\DAZzle` folder, for example, `C:\Users\\Documents\Endicia\DAZzle`.

The following registry settings are automatically generated the first time DAZzle is launched:

- `HKEY_LOCAL_MACHINE\Software\Envelope Manager\DAZzle\VistaCompliant`
(The string value “YES” or “NO” depends on whether any user has done the Vista or Windows 7 transition for the machine.)
- `HKEY_CURRENT_USER\Software\Envelope Manager\dazzle\Preferences\VistaCompliant`
(The string value “YES” or “NO” depends on whether the current transition has been done for the current Windows login user.)
- `HKEY_LOCAL_MACHINE\Software\Envelope Manager\DAZzle\ShareMode`
(The string value “Private” or “Shared” depends on which mode the user selected during the Vista or Windows 7 transition.)

Under Private mode:

- `HKEY_CURRENT_USER\Software\Envelope Manager\dazzle\Preferences\AppDataDirectory`
(This is the string value of the application data path after Vista or Windows 7 transition under Private mode.)
- `HKEY_CURRENT_USER\Software\Envelope Manager\dazzle\Preferences\UserDataDirectory`
(This is the string value of the user data path after Vista or Windows 7 transition under Private mode.)

Under Shared mode:

- `HKEY_LOCAL_MACHINE\Software\Envelope Manager\DAZzle\AppDataDirectory`
(This is the string value of the app data path after Vista or Windows 7 transition under Shared mode.)
- `HKEY_LOCAL_MACHINE\Software\Envelope Manager\DAZzle\UserDataDirectory`
(This is the string value of the user data path after Vista and Windows 7 transition under Shared mode.)

Vista and Windows 7 Compatible Updates for Existing Installations of DAZzle

After upgrading from an existing installation of DAZzle to the Vista and Windows 7 compatible version of DAZzle, the user has the option of converting DAZzle to be Vista and Windows 7 compatible. Before the transition starts, a dialog box prompts the user to choose between installing DAZzle in Shared mode or Private mode. The default value is Shared.

Under Shared mode:

- All data files are moved to the `%COMMON_DOCUMENT%\Endicia\DAZzle` folder, for example, `C:\Users\Public\Documents\Endicia\DAZzle`.

Under the Private mode:

- Application data files are copied to the user's `%APPLICATION_DATA%\Endicia\DAZzle` folder, for example, `C:\Users\\AppData\Roaming\Endicia\DAZzle`.
- All user data files are copied to the user's `%PERSONAL_DOCUMENTS%\Endicia\DAZzle` folder, for example, `C:\Users\\Documents\Endicia\DAZzle`.

Note the following:

- In Vista and Windows 7, the transition can be done only when DAZzle was launched by selecting "Run As Administrator".
- When another Windows user launches DAZzle for the first time after the Vista and Windows 7 Compatible transition, the user will see a message about the transition, and a set of data files will be copied to his or her own app and user data folders.
- If any files already exist in the destination folder with same names as the original folder, a message will be displayed.
- After the transition, a file named "FileMoveLog.txt" will be created in the destination data folder. This file shows the original and destination locations of the moved files.
- Application data files and user data files are moved to different locations. The location of each can be found in Registry settings after the transition: "AppDataDirectory" and "UserDataDirectory".
- If a file fails to move, the transition will roll back all the files, and a message will indicate what has happened.
- All registry settings related to file location are changed during the transition according to the mode selected. In this way, the next time that DAZzle is launched, users will not get a "File can't be found" message.
- The folder "\xml\" under DAZzle installation directory will be moved to the user data folder.

The following registry settings will be automatically generated the first time DAZzle is launched:

- `HKEY_LOCAL_MACHINE\Software\Envelope Manager\DAZzle\VistaCompliant`
(The string value "YES" or "NO" depends on whether any user has done the Vista or Windows 7 transition for the machine.)
- `HKEY_CURRENT_USER\Software\Envelope Manager\dazzle\Preference\VistaCompliant`
(The string value "YES" or "NO" depends on whether the current transition has been done for the current Windows login user.)
- `HKEY_LOCAL_MACHINE\Software\Envelope Manager\DAZzle\ShareMode`
(The string value "Private" or "Shared" depends on which mode user selected during the Vista or Windows 7 transition.)

Under Private mode:

- HKEY_CURRENT_USER\Software\Envelope Manager\dazzle\Preference\AppDataDirectory
(This is the string value of the application data path after Vista or Windows 7 transition under Private mode.)
- HKEY_CURRENT_USER\Software\Envelope Manager\dazzle\Preference\UserDataDirectory
(This is the string value of the user data path after Vista or Windows 7 transition under Private mode.)

Under Shared mode:

- HKEY_LOCAL_MACHINE\Software\Envelope Manager\DAZzle\AppDataDirectory
(This is the string value of the app data path after Vista or Windows 7 transition under Shared mode.)
- HKEY_LOCAL_MACHINE\Software\Envelope Manager\DAZzle\UserDataDirectory
(This is the string value of the user data path after Vista or Windows 7 transition under Shared mode.)

Appendix A. Address Verification Return Code Values

The following table shows the address verification return code values.

Table 6—Address Verification Return Code Values

Value	Description
10	Invalid address
11	Invalid Zip Code
12	Invalid state code
13	Invalid city
21	Address not found
22	Multiple matches, too ambiguous
25	City, State, and ZIP Code are valid, but street address is not a match.
31	Exact match
32	Default match, more information may give a more specific +4

Appendix B. Values for Status Tags

The following table shows the values for status tags.

Table 7—Values for Status Tags

Value	Description
0	Success--no errors during processing
-3	Address Verification failed (return code less than 25)
-4	Unsupported mail class for international mail or invalid weight/rate values
-5	Unsupported domestic mail options (Windows only)
-6	USPS Delivery Confirmation error – denied, service unavailable or communication error
-7	USPS Express Mail error – denied, service unavailable or communication error
-8	USPS Customs Forms error – denied, service unavailable or communication error
-9	International Mail Shipping Label (large or small) processing error
-10	CONFIRM service error – denied, service unavailable or communication error
-11	Express Mail International, Priority Mail International, or First-Class Mail International Error--no “to phone” for mail addressed to P. O. Boxes.
-12	Invalid feature for account.

Appendix C. Change History

Version 11.0

The following changes have been made to the Endicia XML interface:

- Additional Values
- New Tags or Options

Additional Values

The following table shows the additional value for MailClass element of the XML Printing Elements table:

MailClass	Text	CRITICALMAIL	Critical Mail—Only available to qualified Commercial Plus customers. PackageType has to be ENVELOPE or FLAT.
-----------	------	------------------------------	--

The following table shows additional values for PackageType element of the XML Printing Elements table:

PackageType	Text	FLATRATELEGALENVELOPE	Flat Rate Legal Envelope—Priority Mail and Express Mail (Domestic only)
		REGIONALRATEBOXA	Regional Rate Box A—Priority Mail (Domestic only)
		REGIONALRATEBOXB	Regional Rate Box B—Priority Mail (Domestic only)
		FLATRATEGIFTCARDNEVELOPE	Flat Rate Giftcard Envelope – Priority Mail and Express Mail (Domestic only)
		FLATRATEWINDOWENVELOPE	Flat Rate Window Envelope – Priority Mail and Express Mail (Domestic only)
		FLATRATECARDBOARDENVELOPE	Flat Rate Cardboard Envelope – Priority Mail and Express Mail (Domestic only)
		SMALLFLATRATEENVELOPE	Small Flat Rate Envelope – Priority Mail and Express Mail (Domestic only)

Changed Descriptions

The following table shows changed descriptions for PackageType element of the XML Printing Elements table:

PackageType	Text	FLATRATEPADDEDENVELOPE	Flat Rate Padded Envelope—Priority Mail
-------------	------	--	---

New Tags or Options

The following table shows new tags or options in the [Services](#) element of the XML Printing Elements table:

<i>HoldForPickup</i>	<i>Text</i>	<i>TRUE FALSE</i>	<i>For Express Mail, Priority Mail, First Class Mail, Parcel Select, use TRUE to indicate Hold For Pickup requested.</i>
<i>HFPFacilityID</i>	<i>Text</i>	<i>20</i>	<i>Facility ID of the Post Office that will hold the item for pickup.</i>
<i>HFPFacilityName</i>	<i>Text</i>	<i>150</i>	<i>Facility name of the Post Office that will hold the item for pickup.</i>
<i>HFPFacilityAddress</i>	<i>Text</i>	<i>150</i>	<i>Facility address of the Post Office that will hold the item for pickup.</i>
<i>HFPFacilityCity</i>	<i>Text</i>	<i>50</i>	<i>City of the Post Office that will hold the item for pickup.</i>
<i>HFPFacilityState</i>	<i>Text</i>	<i>25</i>	<i>State of the Post Office that will hold the item for pickup.</i>
<i>HFPFacilityZip5</i>	<i>Text</i>	<i>5</i>	<i>5 digit ZIP Code of the Post Office that will hold the item for pickup.</i>
<i>HFPFacilityZip4</i>	<i>Text</i>	<i>4</i>	<i>+4 add-on ZIP Code of the Post Office that will hold the item for pickup.</i>

Version 10.3

The following changes have been made to the Endicia XML interface with version 10.1:

- Additional value for status tags.

Additional Value for Status Tags

The following table shows an additional value for the [status tags](#):

Value	Description
-12	Invalid feature for account.

Version 10.1

The following changes have been made to the Endicia XML interface with version 10.1:

- New Tags or Options

New Tags or Options

The following table shows new tags or options in the [XML Printing Elements](#) table in version 10.1.

New Tags or Options in Version 10.1

Tag	Type	Size or Value	Description
CustomsQuantityN	Numeric	8	Optional: "N" can be any integer from 1 through 30.

Tag	Type	Size or Value	Description
			Quantity of the "Nth" item in customs declaration. For Windows only.
CustomsDescriptionN	Text	50	Optional: Description of the "Nth" item in the customs declaration. For Windows only.
CustomsWeightN	Numeric	8	Optional: Weight of the "Nth" item in customs declaration—in ounces.
CustomsValueN	Currency	99,999.99	Optional: Value of the "Nth" item in the customs declaration. For Windows only.
CustomsCountryN	Text	25	Optional: Country of Origin for the "Nth" item in the customs declaration. This MUST be a valid, USPS recognized country. For Windows only.
CustomsHTSN	Numeric	10	Optional: "N" can be any integer from 1 through 30. Harmonized Tariff Schedule (HTS) ID for the "Nth" item in customs declaration. For Windows only.

Documentation Correction

On May 24, 2010, corrected a typographical error—a missing space:

Was:

```
<ServicesCertifiedMail="OFF" DeliveryConfirmation="ON" ></Services>
```

Corrected to:

```
<Services CertifiedMail="OFF" DeliveryConfirmation="ON" ></Services>
```

Version 10.0

With the January 2010 US Postal Service price change or enhancements, the following fully backward compatible changes have been made to the XML interface with version 10.0:

- New Tags or Options

New Tags or Options

The following table shows new tags or options in version 10.0.

New Tags or Options in Version 10.0

Tag	Value	Description
PackageType	FLATRATEPADDEDENVELOPE	Flat Rate Padded Envelope—Qualified Commercial Plus Pricing Priority Mail (Domestic only)
MailClass	PARCELSELECT	Parcel Select®. Delivery Confirmation or Signature Confirmation is required.
Status	-5	Unsupported domestic mail

Tag	Value	Description
		options (Windows only)

Version 9.1

This document includes a new chapter, [Vista and Windows 7 Compatible Installation and Updates](#), the registry entries that make DAZzle data compatible with Microsoft Vista and Windows 7.

This new chapter is organized by [new or “fresh” installations of DAZzle](#) and [upgrades from previous installations of DAZzle](#).

Version 9.0

With the January 2009 US Postal Service price change or enhancements, the following fully backward compatible changes have been made to the XML interface with version 9.0:

- New Tags or Options

New Tags or Options

The following table shows new tags or options in version 9.0.

New Tags or Options in Version 9.0

Tag	Value	Description
PackageType	FLATRATESMALLBOX	Flat Rate Small Box–Priority Mail (Domestic and International)
Status	-11	Express Mail International®, Priority Mail International®, or First-Class Mail International® Error–no “to phone” for mail addressed to P. O. Boxes.

Version 8.1.06

There are no changes to XML interface for the 8.1.06 release, however, effective September 12, 2008, the USPS requires a permit to print postage for Bound Printed Matter (BPM). As a result, you must update any DAZzle configurations that use BPM.

Version 8.1

There are no XML interface element changes with release 8.1 of DAZzle. However, the USPS has changed some of the mailing rules that may require the additional use of existing tags. First-Class Mail International is “shape based” starting May 12, 2008, so the shape or dimension information for each FCMI package should be supplied in the XML (the same as domestic First-Class Mail).

Version 8.0

With the March 2008 US Postal Service rate enhancements, there are some minor changes to the DAZzle XML interface with version 8.0.

The following (fully backward compatible) changes have been made to the XML interface:

- New Tags or Options

- Output Changes

New Tags or Options

The following table shows new tags or options in version 8.0.

Table 8—New Tags or Options in Version 8.0

Tag	Value	Description
PackageType	FLATRATELARGEBOX	Large Flat Rate Box—Priority Mail (Domestic and International)
ExpressMailPremiumService	TRUE (or YES or ON) FALSE (or NO or OFF)	Enable Premium Service (Sunday/Holiday Delivery) for Express Mail—ONLY applies when Mail Class is Express Mail Turn off Premium Service

Output Changes

With the addition of support for the USPS Confirm® tracking system in DAZzle 8.0, the CONFIRM tracking number is output in the “PIC” output tag (where DC and Express Mail tracking numbers are the output) when printing with that option enabled.

Note: Because the use of CONFIRM is configured as part of a layout, there is no option to turn CONFIRM on or off through XML. Choose a layout that is preconfigured with CONFIRM enabled.

Version 7.0

Due to the May 2007 US Postal Service rate changes, there are significant changes to the DAZzle XML interface with version 7.0. A number of new tags were added to support new mail classes, some tags have become obsolete and most importantly, for backwards compatibility DAZzle contains new logic to automatically convert use of obsolete tags to the new tags. These assumptions may not be correct in all cases and conversion to the new tags should be made as soon as possible. While the “obsolete” tags will be converted to the new tags by DAZzle, the obsolete tags will be dropped in version 7.1 of DAZzle.

Important! Do NOT use version 7.0 XML with any versions of DAZzle prior to version 7.0! Your results will be unpredictable.

The following sections summarize the changes with version 7.0:

- New tags and options
- Obsolete tags or options
- Backwards compatibility

New tags and options

The following table describes new tags and options in version 7.0.

Table 9—New Tags and Options in Version 7.0

Tag	Value	Description
OversizeRate	TRUE FALSE	TRUE means to use the oversized rate for Parcel Post.
NonMachinable	TRUE FALSE	TRUE means use non-machinable rates. Applies to First-Class Mail, Parcel Post, and First-Class Mail

Tag	Value	Description
		International.
BalloonRate	TRUE FALSE	TRUE means use the “balloon rate” for Priority Mail (the 20-lb. rate). Setting the weight to 20 lbs. has same effect.
PackageType	POSTCARD ENVELOPE FLAT RECTPARCEL NONRECTPARCEL FLATRATEENVELOPE FLATRATEBOX	Postcard rate (First-Class Mail and First-Class Mail International). Standard “letter” rate. Large Envelope (Flat) rate (only effects rate for First-Class Mail or Bound Printed Matter). Rectangular Parcel—the standard parcel. Non-rectangular parcel—impacts rate for Priority Mail. Flat Rate Envelope—Priority Mail and Express Mail. Flat Rate Box—Priority Mail.
MailClass	INTLFIRST INTLEXPRESS INTLPRIORITY	First-Class Mail International replaces INTLLETTER and INTLAIRLETTER. Express Mail International replaces INTLGEM. Priority Mail International replaces INTLGPM, INTLGPMFRSMALL, and INTLGPMFRLARGE.
Width	Numeric, 0.00 to 130.00 inches	Width of envelope, flat, or package. Optional, but recommended on Priority Mail and Parcel Post for proper compliance with USPS regulations.
Length	Numeric, 0.00 to 130.00 inches	Length of envelope, flat, or package. Optional, but recommended on Priority Mail and Parcel Post for proper compliance with USPS regulations.
Depth	Numeric, 0.00 to 130.00 inches	Depth (or thickness) of envelope, flat, or package. Optional, but recommended on Priority Mail and Parcel Post for proper compliance with USPS regulations.
ContentsType	RETURNEDGOODS	New option for ContentsType tag.
CustomsSigner	Text, 50	Name of person certifying that the customs information is correct. This name will be printed on the customs form in place of a signature IF CustomsCertify is TRUE.
CustomsCertify	TRUE FALSE	TRUE means that the customs information is certified to be correct and the CustomsSigner name should be printed.

Obsolete tags or options

The following table describes obsolete tags and options as of version 7.0.

Table 10—ObsoleteTags or Options in Version 7.0

Tag	Value	Description
MailClass	POSTCARD INTLGEM INTLGPM INTLGPMFRSMALL INTLGPMFRLARGE INTLLETTER	First Class Mail—replaced by new PackageType option. Global Express Mail—replaced by INTLEXPRESS. Global Priority Mail—replaced by INTLPRIORITY. Global Priority Mail, Small Flat Rate—obsolete class. Global Priority Mail, Large Flat Rate—obsolete class. International, Economy Letter—obsolete class.

Tag	Value	Description
	INTLAIRLETTER INTLAEROGRAMME INTLPARCEL INTLAIRPARCEL INTLPOSTCARD	International, Air Letter—obsolete class. International, Aerogramme—obsolete class. International, Economy Parcel—obsolete class. International, Air Parcel—obsolete class. International Postcard—replaced by PackageType option.
Oversize	All	Replaced by OversizeRate, NonMachinable, and BalloonRate.
FlatRate	All	Replaced by new PackageType tag.

All obsolete tags and options have been dropped from the full specifications in section 2.

Backwards compatibility

While some of the changes in version 7.0 are “universal” and apply equally well to the 2006 and 2007 rates, a number of changes do not directly apply if used with the wrong rates. To compensate for this, DAZzle applies the following “rules” to convert the use of tags that do not apply to the “current” rates. In general when a new tag has been added that replaces the functionality of an obsolete tag (for example BalloonRate and Oversize), and BOTH tags appear in the XML, the functionality of the new tag will override any setting of the obsolete tag. For example, if both Oversize and BalloonRate are used, BalloonRate will override the values for Oversize.

When using obsolete tags when the new 2007 postage rates are in effect (basically, if “old” XML is used with no changes to the new tags):

- Oversize=YES will result in non-machinable being TRUE if the mail class is First-Class (both domestic and international) or Parcel Post.
- Oversize=YES will result in Balloon Rate being TRUE if the mail class is Priority Mail.
- Oversize=YES and the weight = 71 lbs will result in the use oversize rate for Parcel Post.
- FlatRate=YES is the same as PackageType=FLATRATEENVELOPE.
- FlatRate=BOX is the same as PackageType=FLATRATEBOX.
- MailClass=POSTCARD is converted to MailClass=FIRST and PackageType=POSTCARD.
- MailClass=INTLAEROGRAMME is converted to MailClass=FIRST and PackageType=POSTCARD. (Aerogrammes have been discontinued.)
- MailClass=INTLGEM is converted to MailClass=INTLEXPRESS.
- MailClass=INTLGPM is converted to MailClass=INTLPRIORITY.
- MailClass=INTLGPMFRSMALL is converted to MailClass=INTLPRIORITY and PackageType=FLATRATEENVELOPE.
- MailClass=INTLGPMFRLARGE is converted to MailClass=INTLPRIORITY and PackageType=FLATRATEBOX.
- MailClass=INTLLETTER is converted to MailClass=INTLFIRST and PackageType=ENVELOPE.
- MailClass=INTLAIRLETTER is converted to MailClass=INTLFIRST and PackageType=ENVELOPE.
- MailClass=INTLAIRPARCEL is converted to MailClass=INTLPRIORITY and PackageType=RECTPARCEL.
- MailClass=INTLPARCEL is converted to MailClass=INTLPRIORITY and PackageType=RECTPARCEL.

When using new 7.0 (2007) rate tags while the 2006 postage rates are still in effect (you convert to the new XML format before May 14, 2007):

- MailClass=INTLFIRST is converted to MailClass=INTLLETTER.
- MailClass=INTLEXPRESS is converted to MailClass=INTLGEM.
- MailClass=INTLPRIORITY is converted to MailClass=INTLGPM.
- MailClass=INTLPRIORITY and PackageType=FLATRATEENVELOPE is converted to MailClass=INTLGPMFRSMALL.
- MailClass=INTLPRIORITY and PackageType=FLATRATEBOX is converted to MailClass=INTLGPMFRLARGE.
- Use of Width, Height, or Depth has no impact (is ignored).
- Use of RECTPARCEL, NONRECTPARCEL, or FLAT has no impact (are ignored).
- Use of CustomsSigner or CustomsCertify has no impact (are ignored).