



ENDICIA XML CLIENT INTERFACE

DAZzle® and Endicia for Mac Reference Guide

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DAZzle Version 15.2

Endicia for Mac Version 2.15

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1. CURRENT CHANGES

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

Summary of Changes

#	Description	Change Type	Implementation Impact
1	USPS Tracking tag only used for Standard Mail	New tag behavior	Optional
2	Added Special Contents values	New values	Optional
3	Canadian Postal Codes now validated	Requirement conditions	Mandatory May 2015
4	Renamed Express Mail and Express Mail International.	Deprecated values	Mandatory Sept. 2015
5	Deprecated <i>AutoPrintCustomsForms</i> tag.	Deprecated tag	Mandatory Sept. 2015

Detailed Description of Changes

Change #1. USPS Tracking tag only used for Standard Mail

Description of Change:

As of May 31, 2015, USPS Tracking is included free of charge for all mail classes except Standard Mail. Unless Standard mail is selected, the XML tag value will be ignored.

Element	Type	Size or Values	Description
USPSTracking	Attribute	ON OFF	USPS Tracking or Electronic Delivery Confirmation International (eDelCon) has been requested. USPS Tracking not requested Note: For mail classes where USPS Tracking or eDelCon is free, this tag will be ignored.

Change #2. Added Special Contents tags [Windows Only]

Description of Change:

On May 31, 2015, the USPS is requiring additional items to be declared and that information to be electronically uploaded at the time of creating a shipping label. Any shipments that contain these contents must include the appropriate values in this tag.

Element	Type	Size or Values	Description
<i>SpecialContents</i>	<i>Text</i>	<i>Perishable</i> <i>Fragile</i>	<i>Some mailable item types that require Special Handling must be declared.</i> <i>Perishable items.</i> <i>Fragile items.</i>

- Sample Label Request XML:

```

<DAZzle Layout="c:\Users\Public\Documents\Endicia\DAZzle\Dymo4XL Label.lyt" OutputFile="C:\DAZzle sample.XML"
Start="PRINTING" Test="NO" Prompt="YES" AutoClose="NO" PartnerID="A1B2">
  <Package ID="1">
    <MailClass>PRIORITY</MailClass>
    <PackageType>RECTPARCEL</PackageType>
    <WeightOz>25</WeightOz>
    <Width>5.5</Width>
    <Length>12.2</Length>
    <Depth>10</Depth>
    <SpecialContents>Perishable</SpecialContents>
    <Services></Services>
    :
    :
  </Package>
</DAZzle>

```

Change #3. Canadian Postal Codes now required and validated

Description of Change:

As of May 31, 2015, Canada-bound shipments have a new zone-based rating system. To support this change, Canadian Postal Codes will be required and validated for every request. The Postal Code is required in the following format: Six characters with no spaces and all capitals in the alternating letter-number format "A1A1A1".

- **Backward Compatibility Note:** [Mandatory Change](#)

Element	Type	Size or Values	Description
ToPostalCode	Text	15	<p>Destination postal code.</p> <p>For domestic shipments, the format is either ZIP5 only or ZIP+4.</p> <p>For Canada shipments, a Postal Code is required in the following format: six characters with no spaces and all capitals in the alternating letter-number format "A1A1A1".</p>

Change #4. Renamed Express Mail and Express Mail International

Description of Change:

Effective July 28, 2013, the USPS has rebranded Express Mail and Express Mail International mail classes and has renamed these mail classes to Priority Mail Express and Priority Mail Express International, respectively. Therefore, additional values have been added to the <MailClass> tag to represent the new USPS names. The existing values "EXPRESS" and "INTLEXPRESS" have been deprecated. These existing values will continue to be supported in the XML, however these existing values **will be removed from the XML in the September 2015 release**. Please ensure that your XML is updated to use the following new syntax as soon as possible.

- **Backward Compatibility Note:** [Mandatory Change \(September 2015\)](#)

Element	Type	Size or Values	Description
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Element	Type	Size or Values	Description
MailClass	Text	PRIORITYEXPRESS EXPRESS INTLPRIORITYEXPRESS INTLEXPRESS	Priority Mail Express™ (formerly Express Mail®) Express Mail® (Deprecated. Will be removed from XML in the September 2015 version.) Priority Mail Express International™ (formerly Express Mail International®) Express Mail International® (Deprecated. Will be removed from XML in the September 2015 version.)

In addition, the <ExpressMailDeliveryOptions> node has been renamed to represent the new USPS name. This node will continue to be supported in the Endicia XML, however this node **will be removed from the Endicia XML in the September 2015 release**. Please ensure that your XML is updated to use the following new syntax as soon as possible.

Element	Type	Size or Values	Description
PriorityMailExpressDeliveryOptions	Node	n/a	Delivery options for Priority Mail Express. Note: This node is replacing the node <ExpressMailDeliveryOptions>, which has been deprecated and will be removed from XML in the September 2015 version.

Change #5. Deprecated tag: AutoPrintCustomsForms [Windows only]

Description of Change:

Using integrated customs forms allows Commercial Base pricing, while printing separate customs forms requires retail pricing, which is significantly higher. Therefore, printing separate customs forms is no longer supported in DAZZle. The <AutoPrintCustomsForms> tag has been deprecated and **will be removed from the Endicia XML in the September 2015 release**.

- **Backward Compatibility Note:** **Mandatory Change (September 2015)**

Element	Type	Size or Values	Description
AutoPrintCustomsForms [Windows Only]	attribute	YES 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. (Deprecated. Will be removed from XML in the September 2015 version.)

2. 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](#)

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 supports both DAZzle and Endicia for Mac. Unless otherwise indicated, all methods are supported on both platforms.

DAZzle and Endicia for Mac provide compliance to postal rules and may reject some transactions that are not valid. Other transactions that use tags that are not applicable to the shipment being processed may be ignored, sometimes without warning.

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 as part of a product that will be distributed to customers, Endicia considers you to be an integrated partner. Please send by email the following information to partners@endicia.com. After we have received your information, a representative of Endicia will contact you and provide information and benefits of joining our Integrated Partner Program. At that time, we will assign you a Partner ID *.

- Name of the product and company supporting the Endicia XML Client Interface.
- Contact information (email address and phone number) that our customers can use.
- Technical contact information (email 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 supported (Windows, Mac).
- Any instructions you give your customers or screenshots of the interface.

*Your Partner ID must be included with all XML transactions to participate in Endicia's Integrated Partner Program.

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: Addresses 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

- From the Postage Log tab, select **File > Export....**
- Enter a starting date and an ending date.
- Click the **Export** button.
- In the Select Export File window:
 - Enter the name of an XML file to create.
 - In the “Save as type” field, select **Text, XML format**.
- 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, the XML file 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](#)
- [Obtain Address Verification of the XML Data](#)
- [Automatically Monitor 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**.

Obtain Address Verification of the XML Data

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 Monitor 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.

3. 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:

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

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).

The following table shows some recommended layout selections based on printer and shipment type. Please note that each shipment may have special qualities that may need a different layout.

Table 3—1: Recommended Layouts Based on Printer and Shipment Type

Description	Layout Suggestion Based on Printer Type	
	Thermal – 4” label	Laser or Inkjet
Domestic Priority Mail package or flat rate product	Dymo4XL Label.lyt	Priority Mail Shipping Label.lyt
Domestic Priority Mail Express package or flat rate product	Dymo4XL Express Mail Shipping Label.lyt	Express Mail Shipping Label.lyt
First-Class Letter	n/a	Envelope.LYT
APO/FPO or US territory shipment	APO and US Territory Label - Small 6x4.lyt	APO and US Territory Label - Large.lyt
International shipment	International Label - Small 6x4.lyt	International Label - Large.lyt

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 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.

Print Test Labels—Test

Setting the Test value to "YES" causes DAZzle or Endicia for Mac to print a 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, 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.

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.

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 attribute. (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.

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 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.

4. 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:

- Client Printing XML Syntax

Client Printing XML Syntax

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

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

- Omitting any value causes the client application to use the last used or default 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). If you turn ON an item for a single piece you **MUST** turn it OFF for the next item or it will stay ON!
- Default values for Boolean tags are FALSE, NO, or OFF unless otherwise stated in the description.
- Some elements may not be applicable for the type of shipment selected, in which case these elements be ignored.
- *Italic* items are optional.
- **Bold** elements 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.

Table 4—1: XML Client Printing Elements

Element	Type	Size or Values	Description
DAZzle	Root	n/a	The root node for the XML request.
Layout [Windows Only]	attribute	Filename	The fully qualified path name of a DAZzle layout file. The attribute does NOT apply when started by selecting File > Print From External File from the Design tab.
Prompt [Windows Only]	attribute	YES NO	A value of NO causes DAZzle to suppress all printing windows and information boxes. This option does NOT apply when Start="DAZ".
AbortOnError [Windows Only]	attribute	YES NO	A value of YES causes DAZzle to stop the list processing when an error is encountered AND the Prompt attribute is "NO".
Test	attribute	YES NO	A value of YES forces sample postage for testing purposes. 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.
OutputFile	attribute	Filename	The fully qualified path name of a file for the output results of a printing request.
SkipUnverified [Windows Only]	attribute	YES NO	A value of YES causes DAZzle to omit addresses that cannot be verified. A value of NO will force all addresses to be printed, but if the address cannot be verified, no postage will be printed with that address.
AutoClose	attribute	YES	A value of YES causes DAZzle to automatically

Element	Type	Size or Values	Description
[Windows Only]		NO	close at the end of printing. This attribute does NOT apply when Start="DAZ".
AutoPrintCustomsForms [Windows Only]	attribute	YES 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. (Deprecated. Will be removed from XML in the January 2015 version)
PartnerID	attribute	4 digit alphanumeric	Specify the Partner ID assigned by Endicia. This is required for partners. Non-partners should ignore this element.
Package	Node	n/a	Package information.
ID	Numeric attribute	1-n	Specify the numeric identifier for each package in the request. There may be multiple package (indicium) requests.
MailClass	Text	NONE FIRST PRIORITY PRIORITYEXPRESS EXPRESS PARCESELECT STANDARDPOST MEDIAMAIL LIBRARYMAIL BOUNDPRINTEDMATTER PRESORTEDFIRST PRESORTEDSTANDARD INTLFIRST INTLPRIORITY INTLPRIORITYEXPRESS INTLEXPRESS INTLGXG INTLGXGNODOC CRITICALMAIL	Do not print postage First-Class Mail® or First-Class Package Service Priority Mail® Priority Mail Express™ (formerly Express Mail®) Express Mail® (Deprecated. Will be removed from XML in the January 2015 version) Parcel Select® Standard Post (formerly Parcel Post) Media Mail® Library Mail Bound Printed Matter Presorted, First-Class® Presorted, Standard Mail First-Class Mail International® or First-Class Package International Service™ Priority Mail International® Priority Mail Express International™ (formerly Express Mail International®) Express Mail International® (Deprecated. Will be removed from XML in the January 2015 version) Global Express® Guaranteed Global Express Guaranteed Non-Documents Critical Mail—Only available to qualified Commercial Plus customers. PackageType has to be LETTER or FLAT.
DateAdvance	numeric	0-7	Specify the number of days to advance date

Element	Type	Size or Values	Description
			<i>the indicium. The maximum value is 7 days.</i>
PackageType	Text	POSTCARD	Postcard
		ENVELOPE	First-Class Mail Letter
		FLAT	First-Class Mail Large Envelope
		RECTPARCEL	Rectangular Parcel—the standard parcel
		NONRECTPARCEL	Non-rectangular parcel—impacts rate for Priority Mail
		FLATRATEENVELOPE	Flat Rate Envelope—Priority Mail and Priority Mail Express
		FLATRATEBOX	Priority Mail Express Flat Rate Box and Priority Mail Medium Flat Rate Box
		FLATRATEMEDIUMBOX	Synonymous with FLATRATEBOX
		FLATRATELARGEBOX	Large Flat Rate Box—Priority Mail
		FLATRATESMALLBOX	Small Flat Rate Box—Priority Mail
		FLATRATEPADDEDENVELOPE	Flat Rate Padded Envelope—Priority Mail, Priority Mail Express, Priority Mail International, Priority Mail Express International
		FLATRATELEGALENVELOPE	Flat Rate Legal Envelope—Priority Mail and Priority Mail Express (Domestic only)
		REGIONALRATEBOXA	Regional Rate Box A—Priority Mail
		REGIONALRATEBOXB	Regional Rate Box B—Priority Mail
		REGIONALRATEBOXC	Regional Rate Box C—Priority Mail
		FLATRATEGIFTCARDNVELOPE	Flat Rate Giftcard Envelope—Priority Mail and Priority Mail Express (Domestic only)
		FLATRATEWINDOWENVELOPE	Flat Rate Window Envelope—Priority Mail and Priority Mail Express (Domestic only)
		FLATRATECARDBOARDENVELOPE	Flat Rate Cardboard Envelope—Priority Mail and Priority Mail Express (Domestic only)
		SMALLFLATRATEENVELOPE	Small Flat Rate Envelope—Priority Mail and Priority Mail Express (Domestic only)
		FLATRATEDVDBOX	Flat Rate DVD Box—Priority Mail International only
		FLATRATELARGEVIDEOBOX	Flat Rate Large Video Box—Priority Mail International Only
		FLATRATELARGEBOARDGAMEBOX	Flat Rate Large Board Game Box—Priority Mail
		HALFTRAYBOX	For use with Priority Mail Open and Distribute (PMOD) (Domestic only)
		FULLTRAYBOX	For use with PMOD (Domestic only)
		EMMTRAYBOX	For use with PMOD (Domestic only)
		FLATTUBTRAYBOX	For use with PMOD (Domestic only)
		SACK	For use with PMOD and EMOD (Domestic only)

Element	Type	Size or Values	Description
<i>CubicIndicator</i>	Text	RECTANGULAR SOFTPACK	Applicable only for Priority Mail Parcel. Used for traditional cubic pricing for rectangular and non-rectangular parcels in which Length, Width, and Height are considered. (Default value) Used for cubic soft pack and padded envelopes in which only length and width are considered.
<i>ReplyPostage</i>	Text	TRUE FALSE	TRUE indicates that the item should print with reply postage. The Return and Destination addresses will be reversed when printing.
<i>WeightOz</i>	Numeric	0.0 to 1130.0 ounces	Set the weight of the package in ounces—to ONE decimal place.
<i>Width</i>	Numeric	0.00 to 130.00 inches	Set the width of envelope, flat, or package. This value is required for qualified customers to access the Cubic Rectangular and Cubic Soft Pack Commercial Plus Pricing. If left blank, DAZZle will return weigh-base pricing.
<i>Length</i>	Numeric	0.00 to 130.00 inches	Set the length of envelope, flat or package. This value is required for qualified customers to access the Cubic Rectangular and Cubic Soft Pack Commercial Plus Pricing. If left blank, DAZZle will return weigh-base pricing.
<i>Depth</i>	Numeric	0.00 to 130.00 inches	Set the depth (also used for height or thickness) of envelope, flat, or package. This value is required for qualified customers to access the Cubic Rectangular Commercial Plus Pricing. It is not required for Cubic Soft Pack Commercial Plus Pricing. If left blank, DAZZle will return weigh-base pricing.
<i>BalloonRate</i>	Text	TRUE FALSE	TRUE means use the “balloon rate”.
<i>NonMachinable</i>	Text	TRUE FALSE	TRUE means use non-machinable rates. Applies to cards, letters and flats only.
<i>OversizeRate</i>	Text	TRUE FALSE	TRUE means use oversized rate—NonMachinable MUST also be TRUE.
<i>Stealth</i>	Text	TRUE FALSE	Use TRUE to turn on Stealth Postage™ which hides the postage value. Use FALSE to turn off Stealth Postage. NOTE: Stealth Postage cannot be used with some extra services.
<i>SpecialContents [Windows Only]</i>	Text	LiveAnimals LiveAnimalsDayOldPoultry HazMat CrematedRemains Perishable Fragile	Some mailable item types that require Special Handling must be declared. Live animals. Do not use for day-old poultry. Day-old poultry. Hazardous materials. Human or animal cremated remains. Perishable items. Fragile items.

Element	Type	Size or Values	Description
RetailIndicator	Text	TRUE FALSE	For First-Class parcel shipments, use TRUE to force the use of retail pricing when postal rules require such classification. It is ignored for any other mail class and package type combinations.
PriorityMailExpressDeliveryOptions	Node	n/a	Delivery options for Priority Mail Express Note: this node is replacing the node <ExpressMailDeliveryOptions>, which has been deprecated and will be removed from XML in the January 2015 version.
SignatureRequired	Attribute	TRUE FALSE	Use TRUE to indicate that a signature is required upon delivery. Signature is required for Priority Mail Express shipments when Adult Signature, COD, USPS insurance, or Hold For Pickup has been selected.
SaturdayDelivery	Attribute	TRUE FALSE	Use TRUE to indicate Saturday delivery requested. Default value is TRUE.
SundayDelivery	Attribute	TRUE FALSE	Use TRUE to indicate Sunday delivery requested.
HolidayDelivery	Attribute	TRUE FALSE	Use TRUE to indicate holiday delivery requested.
PriorityMailExpress1030	Attribute	TRUE FALSE	Use TRUE to indicate Priority Mail Express 10:30 AM delivery has been requested.
Services	Node		Extra Services requested for the package.
RegisteredMail	Attribute	ON OFF	Registered Mail requested Registered Mail not requested
InsuredMail	Attribute	ENDICIA ON OFF UPIC	Endicia Parcel Insurance requested. USPS Insurance requested Note: USPS Insurance is not allowed with Stealth=TRUE No insurance requested UPIC insurance requested Note: Endicia for Mac supports only Endicia Parcel Insurance.
CertifiedMail	Attribute	ON OFF	Certified Mail requested Certified Mail not requested
RestrictedDelivery	Attribute	ON OFF	Restricted Delivery requested Restricted Delivery not requested
CertificateOfMailing	Attribute	ON OFF	Certificate Of Mailing requested Certificate Of Mailing not requested

Element	Type	Size or Values	Description
ReturnReceipt	Attribute	ON	Return Receipt requested
		OFF	Return Receipt not requested
ReturnReceiptEndorsement [Windows only]	Attribute	ON	Return Receipt endorsement is printed on the label.
		OFF	Return Receipt endorsement is not printed on the label.
DeliveryConfirmation	Attribute	ON	USPS Tracking has been requested. This also applies to International E-Delivery Confirmation (eDelCon)
		OFF	USPS Tracking has not been requested. (Deprecated. The USPS has renamed domestic Delivery Confirmation to USPS Tracking. Therefore a new USPSTracking tag is replacing this tag. However, this tag will continue to be valid until further notice. If the USPSTracking tag is used, it will override the DeliveryConfirmation tag.)
USPSTracking	Attribute	ON	USPS Tracking or Electronic Delivery Confirmation International (eDelCon) has been requested.
		OFF	USPS Tracking not requested. Note: For mail classes where USPS Tracking or eDelCon is free, this tag will be ignored.
SignatureConfirmation	Attribute	ON	Signature Confirmation requested (also used for Signature Service)
		OFF	Signature Confirmation not requested
AdultSignatureRequired	Attribute	ON	Adult Signature Required requested
		OFF	Adult Signature Required not requested
AdultSignatureRestricted	Attribute	ON	Adult Signature Restricted requested
		OFF	Adult Signature Restricted not requested
COD	Attribute	ON	COD requested
		OFF	COD not requested
HoldForPickup	Text	TRUE	Hold For Pickup requested
		FALSE	Hold For Pickup not requested
HFPFacilityID	Text	20	Facility ID of the Post Office that will hold the item for pickup.
HFPFacilityName	Text	150	Facility name of the Post Office that will hold the item for pickup.
HFPFacilityAddress	Text	150	Facility address of the Post Office that will hold the item for pickup.
HFPFacilityCity	Text	50	City of the Post Office that will hold the item for pickup.
HFPFacilityState	Text	25	State of the Post Office that will hold the item for pickup.

Element	Type	Size or Values	Description
HFPFacilityZip5	Text	5	5 digit ZIP Code of the Post Office that will hold the item for pickup.
HFPFacilityZip4	Text	4	+4 add-on ZIP Code of the Post Office that will hold the item for pickup.
OpenAndDistribute	Text	TRUE FALSE	For Priority Mail Express or Priority Mail, use TRUE to specify an OpenAndDistribute label.
MailClassEnclosed	Text	50	Required when OpenAndDistribute is TRUE. Used with OpenAndDistribute. Type of mail class enclosed. No validation. Some typical values: Standard Mail Letters, Standard Mail Flats, Standard Mail Parcels, or specify other value.
CostCenter	Numeric	8	Cost-center code for accounting purposes
Value	Currency	99,999.99	Value of the item shipped. Used for insurance and other extra services (to the cent). Required if an extra 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.
Description	Text	50	Description of the item shipped. Used for authentication by recipient.
CustomsFormType	Text	NONE CN22 CP72	Conditionally used only for international, US Territory, or APO/FPO/DPO shipments. Type of customs form to create. No customs form. CN22 is the same as PS Form 2976. CP72 is the same as PS Form 2976-A.
CustomsSendersCopy	Text	TRUE FALSE	Conditionally used only if CN22 or CP72 is the value set for CustomsFormType. Use TRUE to print a sender's copy of the customs form.
CustomsDescriptionN	Text	50	Required if CN22 or CP72 is the value set for CustomsFormType. "N" can be any integer from 1 through 1000. Detailed description of the "Nth" item in the customs declaration.
CustomsQuantityN	Numeric	8	Required if CN22 or CP72 is the value set for CustomsFormType. "N" can be any integer from 1 through 1000. Quantity of the "Nth" item in customs declaration.
CustomsWeightN	Numeric	8	Required if CN22 or CP72 is the value set for CustomsFormType "N" can be any integer from 1 through 1000. Net weight of the "Nth" item in customs declaration—in ounces.
CustomsValueN	Currency	99,999.99	Required if CN22 or CP72 is the value set for CustomsFormType "N" can be any integer from 1 through 1000. Value (in U.S. dollars) of the "Nth" item in the customs declaration.
CustomsHTSN	Numeric	10	Conditionally used only if CN22 or CP72 is the value set for CustomsFormType. "N" can be any integer from 1 through 1000.

Element	Type	Size or Values	Description
			Harmonized Tariff Schedule (HTS) number for the "Nth" item in customs declaration.
CustomsCountryN	Text	25	Conditionally used only if CN22 or CP72 is the value set for CustomsFormType. "N" can be any integer from 1 through 1000. Country of Origin for the "Nth" item in the customs declaration. This MUST be a valid, USPS recognized country.
ContentsType	Text	120	Required if CN22 or CP72 is the value set for CustomsFormType. Type of contents. The value will be printed as entered in the Contents field on the customs form. Recommended standard values appear in the following list, but an "other" type may be entered. Enter all types that apply as plain text separated by commas. <ul style="list-style-type: none"> • Gift • Documents • Merchandise • Returned Goods • Commercial Sample • Humanitarian Donation • Dangerous Goods
LicenseNo	Text	20	Conditionally used only if CP72 is the value set for CustomsFormType. License number.
CertificateNo	Text	20	Conditionally used only if CP72 is the value set for CustomsFormType. Certificate number.
InvoiceNo	Text	20	Conditionally used only if CP72 is the value set for CustomsFormType. Invoice number.
Comments	Text	80	Conditionally used only if CP72 is the value set for CustomsFormType. Identify if special conditions or restrictions apply to items being mailed. For example, if the contents are subject to quarantine restrictions.
SendersCustomsReference	Text	30	Conditionally used only if CP72 is the value set for CustomsFormType. Sender's customs reference.
ImportersCustomsReference	Text	30	Conditionally used only if CP72 is the value set for CustomsFormType. Importer's customs reference (might be a tax code, importer code, or VAT number used for sales tax).
AesItNExemption	Text	20	Conditionally used only if CN22 or CP72 is the value set for CustomsFormType. Except for shipments to APO/FPO/DPO addresses, enter an Automated Export System (AES) Internal Transaction Number (ITN), AES Exemption, or if applicable, an AES Downtime Citation. Default value: NOEEI 30.37(a)
International	Node	n/a	Conditionally used only if CP72 is the value set for CustomsFormType.
IfNonDeliverable	Attribute		Instructions if shipment is non-deliverable.

Element	Type	Size or Values	Description
		Abandon	Treat as abandoned
		Return	Return to sender (default value)
		Forward	Redirect to alternate address
Address1	Attribute	36	Required if Forward is the value set for IfNonDeliverable. Redirect address (Forward only)
Address2	Attribute	36	Redirect address (Forward only)
Address3	Attribute	36	Redirect address (Forward only)
Address4	Attribute	36	Redirect address (Forward only)
CustomsSigner	Text	100	Conditionally used only if CN22 or CP72 is the value set for CustomsFormType. 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	Conditionally used only if CN22 or CP72 is the value set for CustomsFormType. TRUE certifies that all entries are correct and the items being mailed contain no undeclared dangerous, prohibited, or restricted contents per postal, customs, or destination country regulations. TRUE also certifies compliance with all applicable federal export licensing and filing regulations and confirms the CustomsSigner's liability for the items being mailed.
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	Addressee Name
ToTitle	Text	150	Addressee title (follows name line)
ToCompany	Text	150	Addressee company name
ToAddress1	Text	150	First destination address line
ToAddress2	Text	150	Second destination address line
ToAddress3	Text	150	Third destination address line
ToAddress4	Text	150	Fourth destination address line
ToAddress5	Text	150	Fifth destination address line
ToAddress6	Text	150	Sixth destination address line
ToCity	Text	50	Destination City
ToState	Text	25	Destination State or Province
ToPostalCode	Text	15	Destination postal code. For domestic shipments, the format is either ZIP5 only or ZIP+4. For Canada shipments a Postal Code is required in the following format: six characters with no spaces and all capitals in the alternating letter-number format "A1A1A1".
ToZIP4	Text	5	+4 add-on for US addresses.
ToCountry	Text	50	Destination Country. This value should be left blank for USA addresses.

Element	Type	Size or Values	Description
ToDeliveryPoint	Text	3	Delivery point digits for destination address
ToCarrierRoute	Text	5	Carrier route code (CRC) for destination address. If address verification is suppressed you must include the CRC here for it to have it uploaded to USPS and print on label.
ToReturnCode	Text	3	CASS returncode for address validation. Refer to the Values for Status Tag table in the Appendix.
ToEmail	Text	150	Email 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. 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 Priority Mail Express 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	n/a	Entire return address as a string with line breaks.
ReturnAddressPhone	Text	n/a	Telephone associated with return address (used for Customs form) Must include at least one number.
ReturnAddressEmail	Text	n/a	Email address associated with return address (used for Customs form)
ReturnAddressNickname [Mac Only]	Text	n/a	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.

Element	Type	Size or Values	Description
PIC	Text	USPS tracking number	Tracking number 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.
PostageBalance	Currency	99,999.99	Postage balance remaining in account. Output only.
RetailPostage [Mac only]	Currency	999.99	Postage amount for the same item if it was purchased at a USPS retail counter. Used for comparison purposes.

Syntax Sample of a Printing 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 4—1: Sample Printing XML

```
<DAZzle Layout="c:\Users\Public\Documents\Endicia\DAZzle\Dymo4XL Label.lyt" Prompt='YES'
Test='NO' Start='PRINTING' OutputFile='C:\DAZZLE sample.XML' AutoClose='NO'
PartnerID='A1B2'>
  <Package ID='1'>
    <MailClass>PRIORITY</MailClass>
    <DateAdvance>4</DateAdvance>
    <PackageType>FLATRATENVELOPE</PackageType>
    <WeightOz>5</WeightOz>
    <Width>5</Width>
    <Length>12.0</Length>
    <Depth>5.5</Depth>
    <OversizeRate>FALSE</OversizeRate>
    <Services
      CertifiedMail="OFF"
      USPSTracking="ON">
    </Services>
    <Value>27.00</Value>
    <Description>t-shirts</Description>
    <ReferenceID>0038005</ReferenceID>
    <ToName>Mrs. Sample Name</ToName>
    <ToAddress1>385 Sherman Ave</ToAddress1>
    <ToCity>Palo Alto</ToCity>
    <ToState>CA</ToState>
    <ToPostalCode>94306</ToPostalCode>
    <ToEmail>SampleName@notreal.org</ToEmail>
  </Package>
</DAZzle>
```

Listing 4—2: Sample Printing XML for International Shipment

```
<DAZzle Layout="c:\Users\Public\Documents\Endicia\DAZzle\International Label - Small
6x4.lyt" Prompt="YES" Test="NO" Start="PRINTING" OutputFile="C:\singleintlout.xml"
AutoClose="NO" PartnerID='A1B2'>
  <Package ID="1">
```

```

<MailClass>INTLPRIORITY</MailClass>
<PackageType>RECTPARCEL</PackageType>
<WeightOz>40</WeightOz>
<Services
    RegisteredMail = 'OFF'
    InsuredMail = 'ON'
    CertifiedMail = 'OFF'
    RestrictedDelivery = 'OFF'
    CertificateOfMailing = 'OFF'
    ReturnReceipt = 'OFF'
    USPSTracking= 'OFF'
    SignatureConfirmation = 'OFF'
    COD = 'OFF' >
</Services>
<Value>24.45</Value>
<Description>Men's cotton shirt</Description>
<CustomsFormType>CP72</CustomsFormType>
<CustomsDescription1>Men's Cotton Shirt</CustomsDescription1>
<CustomsQuantity1>1</CustomsQuantity1>
<CustomsWeight1>40</CustomsWeight1>
<CustomsValue1>24.45</CustomsValue1>
<CustomsCountry1>Italy</CustomsCountry1>
<ContentsType>Merchandise, Humanitarian Donation</ContentsType>
<LicenseNo>123456</LicenseNo>
<CertificateNo>987654</CertificateNo>
<Comments>Restricted item</Comments>
<SendersCustomsReference>123456</SendersCustomsReference>
<ImportersCustomsReference>123456</ImportersCustomsReference>
<AesItExemption>NOEEI 30.37 (h)</AesItExemption>
<International
    IfNonDeliverable="Forward"
    Address1="Customer Service"
    Address2="2701 RIVERSIDE DR."
    Address3="OTTAWA, ON K1A 0B1"
    Address4="CANADA"
/>
<CustomsSigner>Joe Shipper</CustomsSigner>
<CustomsCertify>TRUE</CustomsCertify>
<ToName>Joe Bloe</ToName>
<ToAddress1>1900 Queen Mary Ave</ToAddress1>
<ToCity>Brampton</ToCity>
<ToState>ON</ToState>
<ToPostalCode>L7A1Y3</ToPostalCode>
<ToCountry>CANADA</ToCountry>
<ToEmail>sample@endiciasample.com</ToEmail>
<ReturnAddressPhone>1-123-456-7890</ReturnAddressPhone>
<ReturnAddressEmail>receiver@endiciatest.com</ReturnAddressEmail>
<RubberStamp1>Item Description</RubberStamp1>
<RubberStamp2>381099999</RubberStamp2>
</Package>
</DAZzle>

```

Listing 4—3: Sample Printing XML for Multiple Shipments

```

<DAZzle Start='PRINTING' Prompt='YES' AutoClose='NO' OutputFile='c:\testout.xml'
Test='YES' PartnerID='A1B2'>
    <Package ID="1">
        <MailClass>FIRST</MailClass>
        <PackageType>ENVELOPE</PackageType>
        <DateAdvance>0</DateAdvance>
        <WeightOz>5</WeightOz>
        <Services
            InsuredMail="ON"

```

```

        USPSTracking="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>385 Sherman Ave</ToAddress1>
    <ToCity>Palo Alto</ToCity>
    <ToState>CA</ToState>
    <ToPostalCode>94306</ToPostalCode>
    <ToEMail>sample@endiciasample.com</ToEMail>
    <ToPhone>650-555-1212</ToPhone>
</Package>
<Package ID="2">
    <MailClass>PRIORITY</MailClass>
    <PackageType>RECTPARCEL</PackageType>
    <DateAdvance>0</DateAdvance>
    <WeightOz>16</WeightOz>
    <Services
        USPSTracking="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>PRIORITYEXPRESS</MailClass>
    <PackageType>FLATRATEBOX</PackageType>
    <DateAdvance>0</DateAdvance>
    <WeightOz>16</WeightOz>
    <PriorityMailExpressDeliveryOptions
        SignatureRequired="FALSE"
        SaturdayDelivery="FALSE"
        SundayDelivery="TRUE"
        HolidayDelivery="TRUE" />
    <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]

5. ADDRESS VERIFICATION [WINDOWS ONLY]

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

Address Verification XML Syntax

The Address Verification XML syntax is actually the same as the syntax for Client 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 5—1: XML Address Verification Elements

Element	Type	Size or Values	Description
DAZzle	Root	-	The root node for the XML request.
Package	Node	-	Package information.
ID	Numeric	1-n	Numeric identifier for each address in the request. There may be multiple address (indicium) requests.
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. For domestic shipments, the format is either ZIP5 only or ZIP+4. For Canada shipments a Postal Code is required in the following format: six characters with no spaces and all capitals in the alternating letter-number format "A1A1A1".
ToZIP4	Text	5	+4 add-on for US addresses.
ToCountry	Text	50	Destination Country.
ToDeliveryPoint	Text	3	Delivery point digits for destination address.
ToCarrierRoute	Text	5	Carrier route code (CRC) for destination address.
ToReturnCode	Text	3	CASS return code for address validation Refer to the Values for Status Tag table in the Appendix.

Syntax Sample for an Address Verification XML File

The following listing gives a syntax sample for an Address Verification XML file.

Listing 5—1: 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.

6. ADDRESS BOOK [WINDOWS ONLY]

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

Topics in this section include:

- Import XML Data
- Export XML Data

Import Address Book XML Data

The following Steps describe how to import data into the DAZzle Address Book using XML.

Steps

1. Select the **Address Book** tab.
2. Select **File > Import....**
3. 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 Address Book XML Data

The following Steps describe how to export DAZzle Address Book information to an XML-formatted file.

Steps

1. Select the **Address Book** tab.
2. Select **File > Export....**
3. Change the file type to “Text, XML format” and select a file name with an XML extension.
DAZzle 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 6—1: XML Address Book Elements

Element	Type	Size or Values	Description
DAZzle	Root	-	The root node for the XML request.
Package	Node	-	Package information.
ID	numeric	1-n	Numeric identifier for each address in the request. There may be multiple addresses.
ToSalutation	Text	50	Salutation (for example Mr., Mrs., Dr., etc.), export only
ToFirstName	Text	50	First name, export only
ToMiddleName	Text	50	Middle name, export only
ToLastName	Text	50	Last name, export only
ToName	Text	150	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

Element	Type	Size or Values	Description
ToAddress5	Text	150	Fifth address line
ToAddress6	Text	150	Sixth address line
ToCity	Text	50	City
ToState	Text	25	State or province
ToPostalCode	Text	15	Destination postal code. For domestic shipments, the format is either ZIP5 only or ZIP+4. For Canada shipments a Postal Code is required in the following format: six characters with no spaces and all capitals in the alternating letter-number format "A1A1A1".
ToZIP4	Text	5	+4 add-on for US addresses
ToCountry	Text	50	Country
ToDeliveryPoint	Text	3	Delivery point digits for address
ToCarrierRoute	Text	5	Carrier route code (CRC) for address
ToReturnCode	Text	3	CASS return code for address validation Refer to the Values for Status Tag table in the Appendix.
ToCASSDate	Date	YYYYMMDD	Date of CASS verification
ToEmail	Text	100	Email address
ToPhone	Text	20	Phone number for recipient (required when mailing to a P.O. Box and sending through First-Class Mail International, Priority Mail International, and Priority Mail Express International)

Listing 6—1: 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>

```


7. POSTAGE LOG

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

Export Postage Log XML Data

The following Steps describe how to export DAZzle Postage Log information to an XML-formatted file.

Steps

1. Select the **Postage Log** tab.
2. Select **File > Export....**
3. On the Export Date Range dialog box, enter the starting date and ending date of data to export.
4. Click **Export**.
5. Select the file type of Text, XML format, enter the file name, and click **Save**. DAZzle exports all Postage Log records for the selected date range to that file in XML format.

Table 7—1: XML Postage Log Elements

Element	Type	Size or Values	Description
DAZzleLog	Root	-	The root node for the XML
Account	Attribute		Endicia account number
Name	Attribute		Name
Phone	Attribute		Phone number
Email	Attribute		Email address
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.
TransactionDateTime	Date	mm/dd/yyyy hh:mm AM	Date and time the transaction was completed.
Status	Text	Success or Failure	Success means transaction completed successfully.
TransactionType	Numeric	2	07 is postage purchase. 08 is a "stamp".
AccountBalance	Currency	10	Funds remaining in account after transaction
ToEMail	Text	150	Email 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 Priority Mail Express International)
PostmarkDateTime	Date	MM/DD/YYYY	Postmark date printed with indicia
ToAddress	Text	150	First address line
ToPostalCode	Text	15	Destination postal code. For domestic shipments, the format is either ZIP5, ZIP+4, or ZIP+4 plus 2-digit delivery point.
FinalPostage	Currency	99,999.99	Actual postage for transaction

Element	Type	Size or Values	Description
MailClass	text	None First Class First Class, Postcard Priority Mail (and so on)	Mail class used for the item.
Services	Node	-	Special Services requested for the package.
RegisteredMail	Attribute	ON OFF	Registered Mail requested Registered Mail not requested
InsuredMail	Attribute	ON OFF	Insurance requested Insurance not requested
CertifiedMail	Attribute	ON OFF	Certified Mail requested Certified Mail not requested
RestrictedDelivery	Attribute	ON OFF	Restricted Delivery requested Restricted Delivery not requested
CertificateOfMailing	Attribute	ON OFF	Certificate Of Mailing requested Certificate Of Mailing not requested
ReturnReceipt	Attribute	ON OFF	Return Receipt requested Return Receipt not requested
USPSTracking	Attribute	ON OFF	USPSTracking requested USPSTracking not requested
SignatureConfirmation	Attribute	ON OFF	Signature Confirmation® requested Signature Confirmation not requested
AdultSigRequired	Attribute	ON OFF	Adult Signature Required requested Adult Signature Required not requested
AdultSigRestricted	Attribute	ON OFF	Adult Signature Restricted requested Adult Signature Restricted not requested
COD	Attribute	ON OFF	COD requested COD not requested
WeightOz	Numeric	6	Weight of the package in ounces
PIC	Text	USPS tracking number	Tracking number supplied by the USPS
Description	Text	50	Description of the item shipped. Used for authentication by recipient.
Value	Currency	99,999.99	Value of the item shipped. Used for insurance and other optional services (to the cent).
ReferenceID	Text	25	A reference value for logs
CostCenter	Numeric	8	Cost center code for accounting purposes—this is listed as Group Code in the DAZzle Print dialog box.
CustomsID	Text	15	Customs ID associated with international mail items
Insurance	Text	UPIC ENDICIA USPS NONE	Type of insurance used

Element	Type	Size or Values	Description
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=2976-A (CP72) 3=2976 (CN22)	Customs form used (if applicable)
CustomsDescriptionN	Text	25	Description for line N of customs form
CustomsQuantityN	Numeric	10	Quantity for line N of customs form
CustomsWeightN	Numeric	10	Weight (ounces) for line N of customs form
CustomsValueN	Currency	10	Value for line N of customs form
CustomsCountryN	Text	25	Origin Country for line N of customs form

Listing 7—1: 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 USPSTracking= 'ON'></Services>
<WeightOz>16</WeightOz>
<PIC>9102148008600000012345</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>PRIORITYEXPRESS</MailClass>
<Services></Services>
<WeightOz>16</WeightOz>
<PIC>EO010000203US</PIC>
<Value>0.00</Value>
<CostCenter>0</CostCenter>
<Insurance>NONE</Insurance>
<ReplyPostage>NO</ReplyPostage>
<Reprinted>NO</Reprinted>
<CustomsContentType>4</CustomsContentType>
</Record>
</DAZzleLog>

8. INSTALL AND UPDATE UNDER VISTA, WINDOWS 7, OR WINDOW 8

The main sections of this chapter discuss:

- [Vista, Windows 7, Window 8 Compatible New Installations for DAZzle](#)
- [Vista, Windows 7, Window 8 Compatible Updates for Installations of DAZzle](#)

Vista, Windows 7, Window 8 Compatible New Installations for DAZzle

When performing a new or “fresh” installation of the Vista, Windows 7, and Window 8 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\<user name>\AppData\Roaming\Endicia\DAZzle.
- All user data files are installed to the user's %PERSONAL_DOCUMENTS%\Endicia\DAZzle folder, for example, C:\Users\<user name>\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, Windows 7, and Window 8 transition under Shared mode.)

Vista, Windows 7, Window 8 Compatible Updates for Installations of DAZzle

After upgrading from an existing installation of DAZzle to the Vista, Windows 7, and Window 8 compatible version of DAZzle, the user has the option of converting DAZzle to be Vista, Windows 7, and Window 8 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\<user name>\AppData\Roaming\Endicia\DAZZle.
- All user data files are copied to the user's %PERSONAL_DOCUMENTS%\Endicia\DAZZle folder, for example, C:\Users\<user name>\Documents\Endicia\DAZZle.

Note the following:

- In Vista, Windows 7, and Windows 8, 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, Windows 7, and Windows 8 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.

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.

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 USPSTracking error--denied, service unavailable or communication error
-7	USPS Priority Mail Express 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	Priority Mail Express International, Priority Mail International, or First-Class Mail International Error--no "to phone" for mail addressed to PO Boxes.
-12	Invalid feature for account.
-13	Invalid Priority Mail Express option. Priority Mail Express options are supported in a node named "PriorityMailExpressDeliveryOptions" to comply with the USPS. Please reformat your XML using this node.

Appendix C. Interface for Consolidators [Windows Only]

Overview

This Overview contains the following topics:

- [About the Interface for Consolidators](#)
- [Current Changes](#)

About the Interface for Consolidators Appendix

This appendix contains the additional tags that are used for consolidator label functionality. These additional tags are to be added to the Printing XML syntax in the Endicia XML Client Interface document.

Important! This document only applies to the Windows version (DAZzle).

Current Changes

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

Version 13.2 contains the following changes:

- Added CONSINTL value to MailClass element of the XML Client Printing Elements.

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).

When printing consolidator labels, the layout being used in DAZzle must be saved with postage printing disabled. To do this:

1. Open the layout in DAZzle.
2. Click the **Postage Options** button.
3. On the Postage Options dialog Rate tab, clear the **Print Postage** check box.
4. Click **OK** and click the **Save** button.

Client Printing XML Syntax—Additional Syntax for Consolidator Label Support

The following table:

- Shows the additional Client Printing XML tags for Consolidator label support in the XML Printing Elements table.
- Applies only to Windows.

XML Client Printing Elements

Element	Type	Size or Value	Description
DAZzle	Root	-	The root node for the XML request.
Package	Node	-	Package information
MailClass	Text	DHLGMSMPARCELPLUSEXPEDITED	DHL Global Mail Standard Mail Parcel Plus Expedited (DHL only)
		DHLGMSMBPMEXPEDITED	DHL Global Mail Standard Mail Bound Printed Matter Expedited (DHL only)
		DHLGMSMBPMPGROUND	DHL Global Mail Standard Mail Bound Printed Matter Ground (DHL only)
		DHLGMSMCATALOGBPMEXPEDITED	DHL Global Mail Standard Mail Catalog Bound Printed Matter Expedited (DHL only)

Element	Type	Size or Value	Description
		DHLGMSMCATALOGBPMGROUND	DHL Global Mail Standard Mail Catalog Bound Printed Matter Ground (DHL only)
		DHLGMSMMARKETINGPARCELEXPEDITED	DHL Global Mail Standard Mail Marketing Parcel Expedited (DHL only)
		DHLGMSMMARKETINGPARCELGROUND	DHL Global Mail Standard Mail Marketing Parcel Ground (DHL only)
		DHLGMSMMEDIAMAILGROUND	DHL Global Mail Standard Mail Media Mail Ground (DHL only)
		DHLGMSMPARCELEXPEDITED	DHL Global Mail Standard Mail Parcels Expedited (DHL only)
		DHLGMSMPARCELSGROUND	DHL Global Mail Standard Mail Parcels Ground (DHL only)
		DHLGMSMPARCELPLUSGROUND	DHL Global Mail Standard Mail Parcel Plus Ground (DHL only)
		DHLGMSMPRIORITYMAIL	Priority Mail® (DHL only)
		DHLGMSMFIRSTCLASSPRODUCT	First Class Product (DHL only)
		DHLGMSMFIRSTCLASSPARCELS	First Class Parcels (DHL only)
		PARCESELECT	Parcel Select (non-DHL only)
		STANDARDMAILMARKETING	Standard Mail Marketing (non-DHL only)
		LIBRARYMAIL	Library Mail (non-DHL only)
		MEDIAMAIL	Media Mail (non-DHL only)
		BOUNDPRINTEDMATTER	Bound Printed Matter (non-DHL only)
		IPA	International Priority Airmail M-Bags
		ISAL	International Surface Air Lift M-Bags
		CONSINTL	Generic CN22 for non-USPS use
IsConsolidatorLabel	Text	TRUE	Indicate if the label is consolidator label. Applies only to consolidator accounts. Default is FALSE.
		FALSE	

Syntax Sample of a Printing XML File

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

Note: These examples will work on only DAZzle.

Listing C—1 Sample Printing XML

```
<DAZzle Layout="C:\Users\Public\Documents\Endicia\DAZzle\Zebra Label.lyt"
OutputFile='C:\DAZZLE sample.XML' Start='PRINTING' Test='NO' Prompt='YES' AutoClose='NO'
PartnerID='A1B2'>
  <Package ID='1'>
    <MailClass>DHLGMSMPARCELSGROUND</MailClass>
    <IsConsolidatorLabel>TRUE</IsConsolidatorLabel>
    <PackageType>RECTPARCEL</PackageType>
    <OversizeRate>FALSE</OversizeRate>
    <WeightOz>5</WeightOz>
    <Width>5</Width>
    <Length>12.0</Length>
```

```
<Depth>5.5</Depth>
<Services CertifiedMail="OFF" USPSTracking="ON">
</Services>
<Value>27.00</Value>
<ToName>Mrs. Sample Name</ToName>
<ToAddress1>385 Sherman Ave</ToAddress1>
<ToCity>Palo Alto</ToCity>
<ToState>CA</ToState>
<ToPostalCode>94306</ToPostalCode>
<ToEMail>SampleName@notreal.org</ToEMail>
</Package>
</DAZzle>
```

Appendix D. Change History

Version 15.2

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

- New Features
- New or Modified Tags, Values, or Options

New Features

- Special Contents declaration
On May 31, 2015, the USPS is including additional items to be declared and electronically uploaded at the time of creating a shipping label. Any shipments that contain these contents can now be marked with the corresponding values in this tag.

New or Modified Tags, Values, or Options

The following table shows new or modified tags, values, or options in the XML Printing Elements table:

- The USPSTracking tag and eDelCon tag will be ignored for mail classes for which the service is free.
- Canada-bound shipments will now require a valid Postal Code.

Element	Type	Size or Values	Description
USPSTracking	Attribute	ON OFF	USPS Tracking or Electronic Delivery Confirmation International (eDelCon) has been requested. USPS Tracking not requested For mail classes where USPS Tracking or eDelCon is free, this tag will be ignored.
<i>SpecialContents [Windows Only]</i>	<i>Text</i>	<i>Perishable</i> <i>Fragile</i>	<i>Some mailable item types that require Special Handling must be declared.</i> <i>Perishable items</i> <i>Fragile items.</i>
ToPostalCode	Text	15	Destination postal code. For domestic shipments, the format is either ZIP5 only or ZIP+4. For Canada shipments, a Postal Code is required in the following format: six characters with no spaces and all capitals in the alternating letter-number format "A1A1A1".

Version 14.1

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

- New Features
- New or Modified Tags, Values, or Options
- Deprecated Tags, Values, or Options
- Removed Tags, Values, or Options

New Features

- **Priority Mail Express 10:30 Delivery**
On January 26, 2014 the USPS is adding a new option for Priority Mail Express for 10:30 A.M. delivery. This version of XML includes a new tag in the PriorityMailExpressDeliveryOptions node to request this option.
- **Special Contents declaration**
On January 26, 2014 the USPS is requiring that certain mailable items be declared and that information to be electronically uploaded at the time of creating a shipping label. Any shipments that contain these contents must include the appropriate values in this tag. Note that Day-old poultry may include a surcharge included in the postage amount.

New or Modified Tags, Values, or Options

The following table shows new or modified tags, values, or options in the XML Printing Elements table:

- The USPSTracking tag has been added and replaces the DeliveryConfirmation tag.
- The ToCarrierRoute tag has been modified, It is now a required when address verification is suppressed. If no value is entered in the request and address verification is suppressed, there will be no carrier route code printed on the label.
- The SpecialContents tag has been added [Windows Only].
- The PriorityMailExpress1030 tag has been added to the PriorityMailExpressDeliveryOptions node.

Element	Type	Size or Values	Description
USPSTracking	Attribute	ON OFF	USPS Tracking or Electronic Delivery Confirmation International (eDelCon) has been requested. USPS Tracking not requested
ToCarrierRoute	Text	5	Carrier route code (CRC) for destination address. If address verification is suppressed you must include the CRC here for it to have it uploaded to USPS and print on label.
SpecialContents	Text	LiveAnimals LiveAnimalsDayOldPoultry HazMat CrematedRemains	Some mailable item types must be declared. Live animals. Do not use for day-old poultry. Day-old poultry. Hazardous materials. Human or animal cremated remains.
PriorityMailExpress1030	Attribute	TRUE FALSE	Use TRUE to indicate Priority Mail Express 10:30 A.M. delivery has been requested.

Deprecated Tags, Values, or Options

The following tags, values, or options have been deprecated and usage is not supported. These should be removed from XML requests and may be removed from the XML syntax in the future.

- The AutoPrintCustomsForms tag has been deprecated and will be removed from XML in the January 2015 version.
- The USPS has renamed domestic Delivery Confirmation to USPS Tracking. Therefore a new USPSTracking tag is replacing this tag. However, this tag will continue to be valid until further notice. If the USPSTracking tag is used, it will override the DeliveryConfirmation tag
- The EXPRESS and INTLEXPRESS values of the MailClass tag have been deprecated and will be removed from XML in the January 2015 version.
- The ExpressMailDeliveryOptions tag has been deprecated and will be removed from XML in the January 2015 version.

Element	Type	Size or Values	Description
AutoPrintCustomsForms [Windows Only]	attribute	YES 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. (Deprecated. Will be removed from XML in the January 2015 version.)
DeliveryConfirmation	Attribute	ON OFF	USPS Tracking has been requested. This also applies to International E-Delivery Confirmation (eDelCon) USPS Tracking has not been requested. (Deprecated. The USPS has renamed domestic Delivery Confirmation to USPS Tracking. Therefore a new <i>USPSTracking</i> tag is replacing this tag. However, this tag will continue to be valid until further notice. If the <i>USPSTracking</i> tag is used, it will override the <i>DeliveryConfirmation</i> tag.)
MailClass	Text	EXPRESS INTLEXPRESS	Express Mail® (Deprecated. Will be removed from XML in the January 2015 version.) Express Mail International® (Deprecated. Will be removed from XML in the January 2015 version.)
ExpressMailDeliveryOptions	Node	n/a	Delivery options for Priority Mail Express. Note: This node is replacing the node <ExpressMailDeliveryOptions>, which has been deprecated and will be removed from XML in the January 2015 version.

Removed Tags, Values, or Options

The following tags, values, or options have been removed from the XML Printing Elements table and will either be ignored or may cause errors if used. These must be removed from XML requests.

- The SignatureWaiver tag has been removed and replaced by the SignatureRequired tag within the PriorityMailExpressDeliveryOptions node.
- The ExpressMailPremiumService tag has been removed and replaced by two tags that may be used individually or together: SundayDelivery and HolidayDelivery. These new tags are within the PriorityMailExpressDeliveryOptions node.
- The NoWeekendDelivery tag has been removed and replaced by two tags: SaturdayDelivery and SundayDelivery. These new tags are within the PriorityMailExpressDeliveryOptions node.
- The NoHolidayDelivery has been removed and replaced by the HolidayDelivery tag within the PriorityMailExpressDeliveryOptions node.
- The PARCELPOST value of the MailClass tag has removed and replaced by the STANDARDPOST value.
- The ReturnToSender tag has been removed. Functionality is being replaced by the IfNonDeliverable tag in the International node.
- The ContentsTypeOther tag [Mac only] has been removed and functionality has been replaced by the ContentsType tag.

Element	Type	Size or Values	Description
SignatureWaiver	Text	TRUE FALSE	For Express Mail, indicates if the signature requirement can be waived. Use TRUE to allow waiver of signature.

ExpressMailPremium Service	Text	TRUE FALSE	Enable Premium Service (Sunday/Holiday Delivery) for Express Mail—ONLY applies when Mail Class is Express Mail Turn off Premium Service.
NoWeekendDelivery	Text	TRUE FALSE	For Express Mail, use TRUE to request NO delivery on a weekend.
NoHolidayDelivery	Text	TRUE FALSE	For Express Mail, use TRUE to request NO delivery on a holiday.
MailClass	Text	PARCELPOST	Parcel Post Mail Class.
ReturnToSender	Text	TRUE FALSE	For Priority Mail Express International, use TRUE to indicate item should be returned to sender if undeliverable. Currently this MUST be TRUE.
ContentsTypeOther [Mac only]	Text	25	Text that can be entered to specify the Other category.

Version 13.5

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

Additional and Modified Values

The following table shows additional or modified values in the XML Printing Elements table:

Element	Type	Size or Values	Description
PackageType	Text	REGIONALRATEBOXA	Regional Rate Box A—Priority Mail
		REGIONALRATEBOXB	Regional Rate Box B—Priority Mail
		REGIONALRATEBOXC	Regional Rate Box C—Priority Mail
MailClass	Text	DHLGMSMMARKETINGPARCELEXPEDITED	DHL Global Mail Standard Mail Marketing Parcel Expedited (DHL only)
		DHLGMSMMARKETINGPARCELGROUND	DHL Global Mail Standard Mail Marketing Parcel Ground (DHL only)

Version 13.4

There are no XML changes in version 13.4.

Version 13.3

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

Additional, Modified, and Deprecated Values

The following table shows additional or modified values in the XML Printing Elements table:

Element	Type	Size or Values	Description
MailClass	Text	PRIORITYEXPRESS	Priority Mail Express® (formerly Express Mail®)
		EXPRESS	Express Mail® (Deprecated. Will be removed from XML in the January 2015 version)
		INTLPRIORITYEXPRESS	Priority Mail Express International® (formerly Express Mail International®)
		INTLEXPRESS	Express Mail International® (Deprecated. Will be removed from XML in the January 2015 version)
PriorityMailExpressDeliveryOptions	Node		Delivery options for Priority Mail Express. Note: this node is replacing the node <ExpressMailDeliveryOptions>, which has

Element	Type	Size or Values	Description
			been deprecated and will be removed from XML in the January 2015 version.
AutoPrintCustomsForms [Windows Only]	attribute	YES 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. (Deprecated. Will be removed from XML in the January 2015 version)

Version 13.2

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

Additional or Modified Values

The following table shows the additional or modified values in the XML Printing Elements table:

Element	Type	Size or Value	Description
MailClass	Text	CONSINTL	Generic CN22 for non-USPS use
PostageBalance	Currency	99,999.99	Postage balance remaining in account. Output only.

Version 13.1

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

- New Features
- Additional or Modified Values
- New Tags or Options
- Deprecated Tags or Options
- Removed Tags or Options

New Features

- Standard Post mail class
- First-Class Package International Service™ mail class
- E-Delivery Confirmation service
- Critical Mail with Signature Service

Additional or Modified Values

The following table shows the additional or modified values in the XML Printing Elements table:

Element	Type	Size or Value	Description
ContentsType	Text	60	Validation has been removed from this element. Any text can be entered.
MailClass	Text	STANDARDPOST	Standard Post (formerly known as Parcel Post)

New Tags or Options

The following table shows new tags or options in the XML Printing Elements table:

Element	Type	Size or Values	Description
LicenseNo	Text	20	Conditionally used only if CP72 is the value set for CustomsFormType. License number.

Element		Type	Size or Values	Description
	CertificateNo	Text	20	Conditionally used only if CP72 is the value set for CustomsFormType. Certificate number.
	InvoiceNo	Text	20	Conditionally used only if CP72 is the value set for CustomsFormType. Invoice number.
	Comments	Text	80	Conditionally used only if CP72 is the value set for CustomsFormType. Identify if special conditions or restrictions apply to items being mailed. For example, if the contents are subject to quarantine restrictions.
	SendersCustomsReference	Text	30	Conditionally used only if CP72 is the value set for CustomsFormType. Sender's customs reference.
	ImportersCustomsReference	Text	30	Conditionally used only if CP72 is the value set for CustomsFormType. Importer's customs reference (might be a tax code, importer code, or VAT number used for sales tax).
	AesItExemption	Text	20	Conditionally used only if CN22 or CP72 is the value set for CustomsFormType. Except for shipments to APO/FPO/DPO addresses, enter an Automated Export System (AES) Internal Transaction Number (ITN), AES Exemption, or if applicable, an AES Downtime Citation. Default value: NOEEI 30.37(a)
	ReturnAddressPhone	Text		Telephone associated with return address (used for Customs form) Must include at least one number.
	ReturnAddressEmail	Text		Email address associated with return address (used for Customs form)

Deprecated Tags or Options

The following tags or options have been deprecated and usage is not supported. These tags or options should be removed from XML requests and may be removed from the XML syntax in the future.

- The PARCELPOST value of the MailClass tag has been deprecated and will be removed from XML in the Jan 2014 version.
- The ReturnToSender tag has been deprecated and will be removed from XML in the January 2014 version. Functionality is being replaced by and will be overridden by the IfNonDeliverable tag in the International node.

Removed Tags or Options

The following tags or options have been removed from the XML Printing Elements table and will either be ignored or may cause errors if used. These tags or options must be removed from XML requests.

- SignatureWaiver
- ExpressMailPremiumService
- NoWeekendDelivery
- NoHolidayDelivery
- ShowPostageAndFees

Version 12.4

The following changes have been made to the Endicia XML interface with version 12.4:

- New Features

- New Tags or Options

New Features

- Increase maximum number of customs form commodity line items [Windows only].
- Return receipt endorsement flag [Windows only].
- Set default non-deliverable option as "Return to sender".

New Tags or Options

The following table shows new tags or options in the [XML Printing Elements](#) table in version 12.4:

- Added the new tag ReturnReceiptEndorsement with the following values
 - ON
 - OFF

New Tags or Options in Version 12.4

Element	Type	Size or Values	Description
ReturnReceiptEndorsement	Attribute	ON OFF	Return Receipt endorsement is printed on the label. Return Receipt endorsement is not printed on the label. Default value is OFF.

Version 12.3

The following changes have been made to the Endicia XML interface with version 12.3:

- New Features
- New Tags or Options
- Deprecated Tags or Options

New Features

The following new features were added:

- International non-delivery options
- Express Mail Padded Flat Rate Envelope
- Show or Hide Postage and Fees on customs form

New Tags or Options

The following table shows new tags or options in the [XML Printing Elements](#) table in version 12.3:

- Added the new node International with the following attributes:
 - IfNonDeliverable with the following values:
 - Forward
 - Return
 - Abandon
 - Address1
 - Address2
 - Address3
 - Address4
- Added the new tag ShowPostageAndFees with the following values:
 - TRUE
 - FALSE

New Tags or Options in Version 12.3

Element	Type	Size or Values	Description
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Element		Type	Size or Values	Description
	<i>International</i>	<i>Node</i>		<i>International options</i>
	<i>IfNonDeliverable</i>	<i>Attribute</i>	<i>Abandon</i>	<i>Instructions if non-deliverable (CP72 only)</i> <i>Treat as abandoned</i>
			<i>Return</i>	<i>Return to sender</i>
			<i>Forward</i>	<i>Redirect to alternate address</i>
	<i>Address1</i>	<i>Attribute</i>	36	<i>Redirect address (Forward only)</i>
	<i>Address2</i>	<i>Attribute</i>	36	<i>Redirect address (Forward only)</i>
	<i>Address3</i>	<i>Attribute</i>	36	<i>Redirect address (Forward only)</i>
	<i>Address4</i>	<i>Attribute</i>	36	<i>Redirect address (Forward only)</i>
	<i>ShowPostageAndFees</i>	<i>Text</i>	TRUE FALSE	TRUE means the postage will be printed in box to the left of the round stamp. This is independent of the Stealth tag. Postage amount may be needed for the destination country customs agency and may cause customs delays if not shown on label. Applies to Large CP72 customs form only. Default value is TRUE.

Deprecated Tags or Options

The following deprecated tags or options XML Printing Elements table will not be supported:

- ExpressMailOptions

Version 12.2

The following changes have been made to the Endicia XML interface with version 12.0 [Windows Only]:

- Additional Values
- Deprecated Tags or Options

Additional Values

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

Element	Type	Size or Value	Description
PackageType	Text	HALFTRAYBOX	For use with Priority Mail Open and Distribute (PMOD) (Domestic only)
PackageType	Text	FULLTRAYBOX	For use with PMOD (Domestic only)
PackageType	Text	EMMTRAYBOX	For use with PMOD (Domestic only)
PackageType	Text	FLATTUBTRAYBOX	For use with PMOD (Domestic only)
PackageType	Text	SACK	For use with PMOD and EMOD (Domestic only)

Deprecated Tags or Options

The following deprecated tags or options XML Printing Elements table will not be supported:

- ExpressMailOptions

Version 12.0

The following changes have been made to the Endicia XML interface with version 12.0:

- New Features
- Additional Values

- New Tags or Options
- Deprecated Tags or Options

New Features

The following new features were added:

- Express Mail Flat Rate Box
- New Regional Rate Box C
- Cubic Soft Pack
- Express Mail Delivery Options
- First-Class Package Service

Additional Values

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

Element	Type	Size or Value	Description
PackageType	Text	FLATRATEMEDIUMBOX	Synonymous with FLATRATEBOX
PackageType	Text	REGIONALRATEBOXC	Regional Rate Box C–Priority Mail (Domestic only)

New Tags or Options

The following table shows new tags or options in the [XML Printing Elements](#) table in version 12.0:

- Added the new CubicIndicator element with the following values:
 - RECTANGULAR
 - SOFTPACK
- Added the new node ExpressMailDeliveryOptions with the following elements and values:
 - Added the following values to the new SignatureRequired element:
 - TRUE
 - FALSE
 - Added the following values to the new SaturdayDelivery element:
 - TRUE
 - FALSE
 - Added the following values to the new SundayDelivery element:
 - TRUE
 - FALSE
 - Added the following values to the new HolidayDelivery element:
 - TRUE
 - FALSE
- Added the new RetailIndicator element with the following values:
 - TRUE
 - FALSE

New Tags or Options in Version 12.0

Tag	Value	Description
PackageType	FLATRATEMEDIUMBOX	Synonymous with FLATRATEBOX
PackageType	REGIONALRATEBOXC	Regional Rate Box C–Priority Mail (Domestic only)
CubicIndicator	RECTANGULAR	Applicable only for Priority Mail Parcel. Used for traditional cubic pricing for Rectangular and Nonrectangular Parcels in which Length, Width, and Height are considered. (Default value)
	SOFTPACK	Used for cubic Soft Pack and Padded Envelopes in which only length and width are considered.
ExpressMailDeliveryOptions	—	Delivery options for Express Mail

SignatureRequired	TRUE FALSE	<i>Use TRUE to Indicate signature is required upon delivery</i>
SaturdayDelivery	TRUE FALSE	Use TRUE to indicate Saturday delivery requested. Default value is TRUE.
SundayDelivery	TRUE FALSE	Use TRUE to indicate Sunday delivery requested.
HolidayDelivery	TRUE FALSE	Use TRUE to indicate holiday delivery requested.
RetailIndicator	TRUE FALSE	<i>For First-Class parcel shipments, use TRUE to force the use of retail pricing when postal rules require such classification. It is ignored for any other mail class and package type combinations.</i>

Deprecated Tags or Options

After January 2013, the following deprecated tags or options XML Printing Elements table will not be supported:

- SignatureWaiver
- ExpressMailPremiumService
- NoWeekendDelivery
- NoHolidayDelivery

Version 11.5

There are no XML changes in this release of DAZzle.

Version 11.4

The following changes have been made to the Endicia XML interface with version 11.4:

- New Tags or Options

New Tags or Options

The following table shows new tags or options in the [XML Printing Elements](#) table in version 11.4:

- Added the following attributes to the Services element of XML Printing Elements:
 - AdultSignatureRequired
 - AdultSignatureRestricted
- Added the following attribute to the PackageType element of XML Printing Elements table:
 - FLATRATELARGEBOARDGAMEBOX

New Tags or Options in Version 11.4

Tag	Value	Description
Services	AdultSignatureRequired	For Adult Signature Required requested, use ON.
		For Adult Signature Required not requested, use OFF.
Services	AdultSignatureRestricted	For Adult Signature Restricted requested, use ON.
		For Adult Signature Restricted not requested, use OFF.
PackageType	FLATRATELARGEBOARDGAMEBOX	Flat Rate Large Board Game Box–Priority Mail (Domestic and International)

Version 11.3

The following changes have been made to the Endicia XML interface with version 11.3:

- New Tags or Options

New Tags or Options

The following table shows new tags or options to the DAZzle element of [XML Printing Elements](#) in version 11.3.

- Added the PartnerID attribute.
- Added the OpenAndDistribute attribute.
- Added the MailClassEnclosed attribute.

New Tags or Options in Version 11.3

Tag	Value	Description
DAZzle	PartnerID	Specify the Partner ID assigned by Endicia.
DAZzle	OpenAndDistribute	For Express Mail or Priority Mail, use TRUE to specify an OpenAndDistribute label. Defaults to FALSE.
DAZzle	MailClassEnclosed	Type of mail class enclosed. No validation. Some valid values: Standard Mail Letters, Standard Mail Flats, Standard Mail Parcels, or specify other value. Required when OpenAndDistribute is TRUE.

Version 11.2

The following changes have been made to the Endicia XML interface with version 11.2:

- New Tags or Options

New Tags or Options

The following table shows new tags or options in the [XML Printing Elements](#) table in version 11.2.

- Added FLATRATEDVDBOX and FLATRATELARGEVIDEOBOX values to the PackageType element of XML Printing Elements.

New Tags or Options in Version 11.2

Tag	Value	Description
PackageType	FLATRATEDVDBOX	Flat Rate DVD Box—Priority Mail International only
PackageType	FLATRATELARGEVIDEOBOX	Flat Rate Large Video Box—Priority Mail International Only

Version 11.1

The following changes have been made to the Endicia XML interface with version 11.1:

- Additional Values
- New Tags or Options

Additional Values

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

Tag	Type	Value	Description
MailClass	Text	CRITICALMAIL	Critical Mail—Only available to qualified Commercial Plus customers. PackageType has to be LETTER or FLAT.

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

Tag	Type	Value	Description
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)
		FLATRATEGIFTCARDNVELOPE	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:

Tag	Type	Size or Value	Description
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:

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

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
<i>CustomsQuantityN</i>	<i>Numeric</i>	<i>8</i>	<i>"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>	<i>50</i>	<i>Description of the "Nth" item in the customs declaration.</i> <i>For Windows only.</i>
<i>CustomsWeightN</i>	<i>Numeric</i>	<i>8</i>	<i>Weight of the "Nth" item in customs declaration—in ounces.</i>
<i>CustomsValueN</i>	<i>Currency</i>	<i>99,999.99</i>	<i>Value of the "Nth" item in the customs declaration.</i> <i>For Windows only.</i>
<i>CustomsCountryN</i>	<i>Text</i>	<i>25</i>	<i>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>	<i>10</i>	<i>"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>

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	PARCESELECT	Parcel Select®. Delivery Confirmation or Signature Confirmation is required.
Status	-5	Unsupported domestic mail 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)	Enable Premium Service (Sunday/Holiday Delivery) for Express Mail—ONLY applies when Mail Class is Express Mail
	FALSE (or NO or OFF)	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.

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 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.

ObsoleteTags or Options in Version 7.0

Tag	Value	Description
MailClass	POSTCARD INTLGEM INTLGPM	First Class Mail—replaced by new PackageType option. Global Express Mail—replaced by INTLEXPRESS. Global Priority Mail—replaced by INTLPRIORITY.

Tag	Value	Description
	INTLGPMFRSMALL INTLGPMFRLARGE INTLLETTER INTLAIRLETTER INTLAEROGARMMME INTLPARCEL INTLAIRPARCEL INTLPOSTCARD	Global Priority Mail, Small Flat Rate—obsolete class. Global Priority Mail, Large Flat Rate—obsolete class. International, Economy Letter—obsolete class. 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 of the oversized 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=INTLAEROGARMMME` 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).