

DAZZLE XML INTERFACE

**Revision 8.1.06
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1. OVERVIEW

DAZZle supports a variety of XML based interfaces that can greatly enhance the interface between DAZZle and other applications or systems. The intent of the XML interface is to allow other applications to supply or retrieve information from DAZZle using industry standard protocol. There are also a limited number of automation capabilities using the XML interface that can streamline the interface process.

While there are many powerful features already, the XML interface is evolving to increase it's 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 may require some modifications to preexisting systems.

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

- Name of product and company supporting the DAZZle XML interface.
- Contact information (email, phone) that our customers can use.
- Technical contact information (email, phone) for Endicia technicians or developers.
- Type of interface(s) support, e.g., command line, directory monitoring, or Clipboard, etc.
- Any instructions you give your customers or screen shots of the interface would be helpful.

Please email this information to support@endicia.com.

1.a. Standards

DAZZle supports 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 detail the supported tags and proper usage.

1.b. Version Changes

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. As a result, you will need to 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 and/or dimension information for each FCMI package should be supplied in the XML (just like 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

Tag	Value	Description
PackageType	<i>FLATRATELARGEBOX</i>	Flat Rate Large Box – Priority Mail (Domestic and International)
ExpressMailPremiumService	<i>TRUE (or YES or ON)</i>	Enable Premium Service (Sunday/Holiday Delivery) for Express Mail – ONLY applies when Mail Class is Express Mail
	<i>FALSE (or NO or OFF)</i>	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 will be output in the “PIC” output tag (where DC and Express Mail tracking numbers are output) when printing with that option enabled. NOTE: since the use of CONFIRM is configured as part of a layout, there is NO option to turn on/off CONFIRM via XML – simply pick a layout that is preconfigured with CONFIRM enabled.

Version 7.0 Changes

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.

Do NOT use version 7.0 XML with any versions of DAZzle prior to v7.0 – your results will be unpredictable.

The following is a summary of the changes with version 7.0.

New tags and options

Tag	Value	Description
OversizeRate	<i>TRUE</i> <i>FALSE</i>	TRUE means use oversized rate for Parcel Post
NonMachinable	<i>TRUE</i> <i>FALSE</i>	TRUE means use non-machinable rates. Applies to First-Class, Parcel Post, and First-Class international.
BalloonRate	<i>TRUE</i> <i>FALSE</i>	TRUE means use the “balloon rate” for Priority Mail (the 20 lb rate). Setting the weight to 20 lbs has same effect.
PackageType	<i>POSTCARD</i> <i>ENVELOPE</i> <i>FLAT</i> <i>RECTPARCEL</i> <i>NONRECTPARCEL</i> <i>FLATRATEENVELOPE</i> <i>FLATRATEBOX</i>	Postcard rate (First-Class and International FC) 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 and Express Mail Flat Rate Box – Priority Mail

Tag	Value	Description
MailClass	<i>INTLFIRST</i> <i>INTLEXPRESS</i> <i>INTLPRIORITY</i>	First-Class Mail International, replaces INTLLETTER and INTLAIRLETTER Express Mail International, replaces INTLGEM Priority Mail International, replaces INTLGPM, INTLGPMFRSMALL and INTLGPMFRLARGE
Width	<i>Numeric, 0.00 to 130.00 inches</i>	Width of envelope, flat or package. Optional, but recommended on Priority Mail and Parcel Post for proper compliance with USPS regulations.
Length	<i>Numeric, 0.00 to 130.00 inches</i>	Length of envelope, flat or package. Optional, but recommended on Priority Mail and Parcel Post for proper compliance with USPS regulations.
Depth	<i>Numeric, 0.00 to 130.00 inches</i>	Depth (or thickness) of envelope, flat or package. Optional, but recommended on Priority Mail and Parcel Post for proper compliance with USPS regulations.
ContentsType	<i>RETURNEDGOODS</i>	New option for ContentsType tag
CustomsSigner	<i>Text, 50</i>	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	<i>TRUE</i> <i>FALSE</i>	TRUE means the customs information is certified to be correct and the CustomsSigner name should be printed.

Obsolete tags and/or options

Tag	Value	Description
MailClass	<i>POSTCARD</i> <i>INTLGEM</i> <i>INTLGPM</i> <i>INTLGPMFRSMALL</i> <i>INTLGPMFRLARGE</i> <i>INTLLETTER</i> <i>INTLAIRLETTER</i> <i>INTLAEROGRAMME</i> <i>INTLPARCEL</i> <i>INTLAIRPARCEL</i> <i>INTLPOSTCARD</i>	First Class Mail – replaced by new PackageType option Global Express Mail - replaced by <i>INTLEXPRESS</i> Global Priority Mail - replaced by <i>INTLPRIORITY</i> 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	<i>All</i>	Replaced by OversizeRate, NonMachinable, and BalloonRate
FlatRate	<i>All</i>	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 (e.g. BalloonRate and Oversize), and BOTH tags appear in the XML, the functionality of new tag will override any setting of the obsolete tag. For example, if both Oversize and BalloonRate are used, BalloonRate will over-ride 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=INTLAEROGAMME** 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** have no impact (are ignored).
- Use of **RECTPARCEL**, **NONRECTPARCEL**, or **FLAT** have no impact (are ignored).
- Use of **CustomsSigner** or **CustomsCertify** have no impact (are ignored).

1.c. Actions Supported

XML formatted data can be used in a number of different ways within DAZzle:

1.c.1. Printing

DAZzle can print one or many addresses from an XML file. See Section 2 for more details

1.c.2. Address Verification

DAZZle can verify (and update) address information in an XML file. See Section 3 for more details

1.c.3. Importing into the Address Book

XML data can be loaded into the current DAZZle address book via XML. See Section 4 for more details.

1.c.4. 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. See Section 5 for more details

1.d. How to pass XML data into DAZZle

The first three methods listed below make use of 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, e.g. `packagedata.xml`.

1.d.1. Interactively - using the DAZZle Menu

Each of the actions utilizing XML data can be invoked interactively via the menu in DAZZle:

1.d.1.a. Printing

Select `File | Print from External File` from the main DAZZle menu to begin the process of printing an XML formatted file. See Section 2 for more details

1.d.1.b. Address Verification

Select `Layout | Dial-A-ZIP from External File` from the main DAZZle menu to begin the process of verifying addresses in an XML formatted file. See Section 3 for more details

1.d.1.c. Importing into the Address Book

From the Address Book tab, select `File | Import` and then select an XML file to begin the XML import process. See Section 4 for more details.

1.d.1.d. Exporting data from the Postage Log

Select `Postage | Postage Log` from the DAZZle menu. On the Postage Log window, click the Backup/Export button. On the Backup/Export window, select the Export option and click OK. After entering the data range for the export data, enter the name of an XML file to create and choose **XML Format** as the “Save as type” option. See Section 5 for more details.

1.d.2. Using the Command Line

DAZZle operations can be automated by launching DAZZle with an XML file in the command line. 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, this command:

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

Will trigger DAZZle to automatically load the file "c:\lists\listfile.xml" when DAZZle is launched and follow any specified commands within the XML file. If there is no automation command within the XML file, no action is taken by DAZZle.

Please 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).

1.d.3. Using Directory Monitoring

Starting with version 4.3.09, DAZZle monitors the directory "<dazzle>\xml" where <dazzle> is the directory containing the DAZZle executable for any XML files. When an XML file is found in this directory it is automatically opened and printed according to all applicable tag commands. This feature can be used to automate dazzle from other programs that produce XML output but have trouble launching DAZZle. Every 30 seconds DAZZle automatically checks the specified for any XML files. It will print the first XML file it finds, performing the print just like the user selected it. When DAZZle is finished printing, the file will be *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. See section 2.a for automation options.

1.d.4. 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.

1.d.4.a. Manually "grabbing" Clipboard Data

Select `Edit | Paste Address` from the DAZZle menu to signal DAZZle to examine the clipboard for XML formatted data (one or more addresses may be in the XML data). For address verification of the XML data, select `Layout | Dial-A-ZIP From Clipboard`.

1.d.4.b. Automatically "grabbing" Clipboard Data

In `File | Preferences`, on the Clipboard tab, check the "Monitor Clipboard for Addresses" option and DAZZle will constantly monitor the clipboard for data and immediately act upon any properly formatted XML data found.

If any DAZZle tag options (see the next section) are specified in the XML data, e.g. `Start="PRINTING"` or `Prompt="NO"`, DAZZle will respond accordingly with the exception of the `AutoClose` option.

1.e. DAZZle Tag Options

The processing of XML files can also be automated, reducing the number of prompts to the user utilizing the DAZZle tag options. The DAZZle tag must be the first tag (the "header" tag) in the file and the following attributes may follow this tag. **NOTE:** All DAZZle tag attributes are **ignored** when invoking

printing from the menu (i.e., from `File | Print From External File`) since all options are set interactively.

1.e.1. Automated 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 (See section 1.d.2).**

NOTE: The following options do NOT apply to the address verification process.

1.e.2. Changing Layouts - Layout

Setting the **Layout** value to the fully qualified pathname of a DAZZle layout file, will trigger DAZZle to change to that layout prior to printing. This change will only occur once per file (e.g., you can not change layouts in the middle of printing).

1.e.3. Turning off Windows and Prompts - Prompt

Setting the **Prompt** value to "NO" will cause DAZZle to suppress all option and information windows (e.g. the "don't remind me again" windows) so that printing is fully automated. Error messages may be displayed – see the **AbortOnError** option below for information about error handling. The default value for this attribute is "YES".

IMPORTANT NOTE: If the **Prompt="YES"** option is selected, the user can **NOT** override any value specified in the XML file. Thus, *do NOT include data values for items the user should enter or select.*

1.e.4. Abort process when prompts are disabled - AbortOnError

If the **Prompt** value is "YES" or **AbortOnError** is "NO", DAZZle will prompt for a user response should an error occur that causes either the Confirm/Express Mail tracking number process or Endicia Postage process 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 will automatically abort the list process if an error occurs. The default value for this attribute is "NO".

1.e.5. Specifying the Output File Name - OutputFile

When the **Prompt** value is "YES" (which is the default) DAZZle will prompt the user for the output file name. You can bypass the prompt and specify the output file name by using the **OutputFile** value. (see Section 2.b for more about this). If no output file name is specified and **Prompt** is set to "NO", the output file is automatically named *filename-output.xml*.

1.e.6. Automatically Closing DAZZle when Done - AutoClose

Setting the **AutoClose** value to "YES" will cause DAZZle to automatically close when the printing of the addresses in the file is complete. The default value for this attribute is "NO". *NOTE: This option does NOT apply when printing from the clipboard.*

1.e.7. Testing - Test

Setting the **Test** value to “YES” will cause DAZZle to print sample indicia on each piece in the mailing and NOT use live postage. This attribute can be useful to make test runs to make sure the printing and data are all correct before using “live” 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** since the user can select Test Print or Print.*

1.e.8. Skipping addresses that do not verify - SkipUnverified

Normally DAZZle will print every address in a list, even if the address can not be verified. When the address is not verified no postage is printed with the address. If you would like the unverified addresses to be skipped during printing, set the **SkipUnverified** value to “YES”.

1.e.9. Automatic Printing of Customs Forms - AutoPrintCustomsForms

When printing from XML, DAZZle normally does NOT automatically print customs forms because it requires printing to a second printer and requires prompting the user which disrupts the automated process. Use of this option (set the value to “YES”) will cause DAZZle to automatically (i.e., there is no user prompt to pick the printer) print the requested customs form to the default Windows printer. To make best use of this option when using two printers, the label printer should be set in the DAZZle layout and the default Windows printer should be set to a plain paper printer for the customs forms. Also keep in mind that the customs only print for items that request the customs form via XML data AND have all the customs information properly supplied.

If this item is omitted or set to NO, DAZZle will create and record the customs form information, but will NOT print or prompt to print the customs form during the print process. Instead, the customs forms can be printed from the postage log with the Print Record option.

2. PRINTING

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

2.a. DAZzle Printing XML Syntax

The DAZzle XML printing tags are described in detail in table 1.

Important notes about all elements:

- **Omitting any value will cause DAZzle to use the current value for that element (or in the case of a list, the value for the previous item). This is especially important to consider for options that impact the rate paid (e.g., insurance, Delivery Confirmation) – if you turn ON an item for a single piece you MUST turn it back off on the next item or it will stay on!**
- *Italic* items are optional.
- **Bold** items are updated (or added if missing) when creating the output file/data.

Table 1 - XML Printing Elements

Element	Type	Size or Values	Description
DAZzle	Root	-	The root node for the XML request.
Layout	attribute	Filename	The fully qualified pathname of a DAZzle layout file. The attribute does NOT apply when started from File Print From External File.
Prompt	attribute	YES or NO	A value of NO will cause DAZzle to suppress all printing windows and information boxes. This option does NOT apply to Start="DAZ"
AbortOnError	attribute	YES o NO	A value of YES will cause DAZzle to stop the list processing when a DC or postage error is encountered AND the Prompt attribute is "NO". Default value is NO.
Test	attribute	YES or NO	A value of YES will cause DAZzle to use sample postage for testing purposes. Any other value (or omission of this attribute) will use real postage. This option does NOT apply when Prompt="YES" (user selects Test from print dialog instead).
Start	attribute	PRINTING DAZ	A value of PRINTING will trigger DAZzle to automatically start printing. A value of DAZ will trigger the address verification process.
OutputFile	attribute	Filename	The fully qualified pathname of a file to be used for the output results of a printing.
SkipUnverified	attribute	YES or NO	A value of YES will cause DAZzle to not print addresses that do not verify. If set to NO (the default) all addresses are printed, but if the address does not verify no postage will be printed with that address.

Element	Type	Size or Values	Description
AutoClose	attribute	YES or NO	A value of YES will cause DAZZle to automatically close at the end of printing. This attributed does not apply to Start="DAZ". Default is NO.
AutoPrintCustomsForms	Attribute	YES or NO	A value of YES will cause DAZZle to print any requested customs form to the default Windows printer.
Package	Node		Package information.
<i>ID</i>	<i>Numeric attribute</i>	<i>1-n</i>	<i>Numeric identifier for each package in the request. There may be multiple package (indicium) requests.</i>
MailClass	text	NONE FIRST PRIORITY PARCELPOST MEDIAMAIL LIBRARYMAIL BOUNDPRINTEDMATTER EXPRESS PRESORTEDFIRST PRESORTEDSTANDARD INTLFIRST INTLEXPRESS INTLPRIORITY INTLGXG INTLGXGNODOC	Do not print postage First Class Mail Priority Mail Parcel Post Media Mail Library Mail Bound Printed Matter Express Mail Presorted, First-Class Presorted, Standard Class International First-Class International Express Mail International Priority Mail Global Express Guaranteed Global Express Guaranteed Non-Documents
DateAdvance	numeric	0-30	The number of days to advance date on the indicium. If you are using Delivery Confirmation, the maximum value is 7 days.
PackageType	Text	POSTCARD ENVELOPE FLAT RECTPARCEL NONRECTPARCEL FLATRATEENVELOPE FLATRATEBOX FLATRATELARGEBOX	Postcard rate (First-Class and International FC) Standard "letter" rate Flat rate (only effects rate for First-Class mail) Rectangular Parcel – the standard parcel. Non-rectangular parcel – impacts rate for Priority Mail Flat Rate Envelope – Priority and Express Mail Flat Rate Box – Priority Mail Flat Rate Large Box – Priority Mail (Domestic and International)
ReplyPostage	Text	TRUE FALSE	TRUE indicates that the item should print with reply postage which means the Return and Destination addresses will be swapped when printing.
WeightOz	Numeric	0.0 to 1130.0 ounces	Weight of the package in ounces – to ONE decimal place.
Width	Numeric	0.00 to 130.00 inches	Width (or height) of envelope, flat or package. Optional, but should be supplied with Priority Mail items and is optional on all others.
Length	Numeric	0.00 to 130.00 inches	Length of envelope, flat or package. Optional, but should be supplied with Priority Mail items and is optional on all others.

Element	Type	Size or Values	Description
<i>Depth</i>	<i>Numeric</i>	<i>0.00 to 130.00 inches</i>	Depth (or thickness) of envelope, flat or package. Optional, but should be supplied with Priority Mail items and is optional on all others.
<i>BalloonRate</i>	<i>Text</i>	<i>TRUE FALSE</i>	TRUE means use the "balloon rate" for Priority Mail (the 20 lb rate).
<i>NonMachinable</i>	<i>Text</i>	<i>TRUE FALSE</i>	TRUE means use non-machinable rates. Applies to First-Class, Parcel Post, and First-Class international mail.
<i>OversizeRate</i>	<i>Text</i>	<i>TRUE FALSE</i>	TRUE means use oversized rate for Parcel Post – NonMachinable MUST also be TRUE.
<i>Stealth</i>	<i>Text</i>	<i>TRUE FALSE</i>	Use TRUE to turn on the use of "stealth" or hidden postage. Use FALSE to turn off stealth. NOTE: Stealth can only be use on items with either confirm or tracking.
<i>SignatureWaiver</i>	<i>Text</i>	<i>TRUE FALSE</i>	For Express Mail or Signature Confirmation, indicates if the signature requirement can be waived. Use TRUE to allow waiver of signature.
<i>ExpressMailPremium Service</i>	<i>Text</i>	<i>TRUE FALSE</i>	Enable Premium Service (Sunday/Holiday Delivery) for Express Mail – ONLY applies when Mail Class is Express Mail Turn off Premium Service
<i>NoWeekendDelivery</i>	<i>Text</i>	<i>TRUE FALSE</i>	For Express Mail, use TRUE to request NO delivery on a weekend.
<i>NoHolidayDelivery</i>	<i>Text</i>	<i>TRUE FALSE</i>	For Express Mail, use TRUE to request NO delivery on a holiday.
<i>ReturnToSender</i>	<i>Text</i>	<i>TRUE FALSE</i>	For Global Express Mail, use TRUE to indicate item should be returned to sender if undeliverable. Currently this MUST be TRUE.
Services	Node		Special Services requested for the package.
<i>RegisteredMail</i>	<i>Attribute</i>	<i>ON OFF</i>	Registered Mail requested Registered Mail not requested
<i>InsuredMail</i>	<i>Attribute</i>	<i>ON OFF ENDICIA UPIC</i>	USPS Insurance requested No insurance requested Endicia Insurance requested UPIC insurance requested NOTE: USPS Insurance is not allowed with Stealth=TRUE
<i>CertifiedMail</i>	<i>Attribute</i>	<i>ON OFF</i>	Certified Mail requested Certified Mail not requested
<i>RestrictedDelivery</i>	<i>Attribute</i>	<i>ON OFF</i>	Restricted Delivery requested Restricted Delivery not requested
<i>CertificateOfMailing</i>	<i>Attribute</i>	<i>ON OFF</i>	Certificate Of Mailing requested Certificate Of Mailing not requested
<i>ReturnReceipt</i>	<i>Attribute</i>	<i>ON OFF</i>	Return Receipt requested Return Receipt not requested
<i>DeliveryConfirmation</i>	<i>Attribute</i>	<i>ON OFF</i>	Delivery Confirmation requested Delivery Confirmation not requested
<i>SignatureConfirmation</i>	<i>Attribute</i>	<i>ON OFF</i>	Signature Confirmation requested Signature Confirmation not requested
<i>COD</i>	<i>Attribute</i>	<i>ON OFF</i>	COD requested COD not requested
<i>CostCenter</i>	<i>Numeric</i>	<i>8</i>	Optional cost-center code for accounting purposes

Element	Type	Size or Values	Description
Value	Currency	5.2	Value of the item shipped. Used for insurance and other optional services (to the cent). Required if an optional services 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 GEM CN22 CP72	Optional: Type of customs form to create (intl mail only) Must be one of the list types. CN22 is the same as Form 2976, CP72 is the same as 2976A.
CustomsQuantity1	Numeric	8	Optional: quantity of first item in customs declaration
CustomsWeight1	Numeric	8	Optional: weight of first item in customs declaration – in ounces
CustomsDescription1	Text	50	Optional: Description of the first item in the customs declaration. This value will replace any value in the Description tag.
CustomsValue1	Currency	5.2	Optional: Value of the first item in the customs declaration.
CustomsCountry1	Text	25	Optional: Country of Origin for the first item in the customs declaration. This MUST be a valid, USPS recognized country name. You can also use the 2 or 3 digit country "codes" found in DAZzle's country.dat file.
CustomsQuantity2	Numeric	8	Optional: quantity of second item in customs declaration
CustomsDescription2	Text	50	Optional: Description of the second item in the customs declaration.
CustomsWeight2	Numeric	8	Optional: weight of second item in customs declaration – in ounces
CustomsValue2	Currency	5.2	Optional: Value of the second item in the customs declaration.
CustomsCountry2	Text	25	Optional: Country of Origin for the second item in the customs declaration. This MUST be a valid, USPS recognized country.
CustomsQuantity3	Numeric	8	Optional: quantity of third item in customs declaration
CustomsDescription3	Text	50	Optional: Description of the third item in the customs declaration.
CustomsWeight3	Numeric	8	Optional: weight of thrid item in customs declaration – in ounces
CustomsValue3	Currency	5.2	Optional: Value of the third item in the customs declaration.
CustomsCountry3	Text	25	Optional: Country of Origin for the third item in the customs declaration. This MUST be a valid, USPS recognized country.
CustomsQuantity4	Numeric	8	Optional: quantity of fourth item in customs declaration
CustomsDescription4	Text	50	Optional: Description of the fourth item in the customs declaration.

Element	Type	Size or Values	Description
CustomsWeight4	Numeric	8	Optional: weight of fourth item in customs declaration – in ounces
CustomsValue4	Currency	5.2	Optional: Value of the fourth item in the customs declaration.
CustomsCountry4	Text	25	Optional: Country of Origin for the fourth item in the customs declaration. This MUST be a valid, USPS recognized country.
CustomsQuantity5	Numeric	8	Optional: quantity of fifth item in customs declaration
CustomsDescription5	Text	50	Optional: Description of the fifth item in the customs declaration.
CustomsWeight5	Numeric	8	Optional: weight of fifth item in customs declaration – in ounces
CustomsValue5	Currency	5.2	Optional: Value of the fifth item in the customs declaration.
CustomsCountry5	Text	25	Optional: Country of Origin for the fifth item in the customs declaration. This MUST be a valid, USPS recognized country.
ContentsType	Text	SAMPLE GIFT DOCUMENTS OTHER MERCHANDISE RETURNEDGOODS	Optional: Type of contents for international customs forms. Must be one of these values.
CustomsSigner	Text	100	Name of person certifying that the customs information is correct. This name will be printed on the customs form in place of a signature IF CustomsCertify is TRUE.
CustomsCertify	Text	TRUE FALSE	TRUE means the customs information is certified to be correct and the CustomsSigner name should be printed.
EndorsementLine	Text	150	Address endorsement line, e.g., AutoCR xx **. Always first address line if used
ReferenceID	Text	25	A reference value for logs
ToName	Text	150	Destination Name
ToTitle	Text	150	Title (follows name line)
ToCompany	Text	150	Company name
ToAddress1	Text	150	First address line
ToAddress2	Text	150	Second address line
ToAddress3	Text	150	Third address line
ToAddress4	Text	150	Fourth address line
ToAddress5	Text	150	Fifth address line
ToAddress6	Text	150	Sixth address line
ToCity	Text	50	Destination City
ToState	Text	25	Destination State or province
ToPostalCode	Text	15	Destination Postal-code. The format is either ZIP5 only or ZIP+4 for US addresses.
ToZIP4	Text	5	+4 add-on for US addresses.
ToCountry	Text	50	Destination Country. This value should be left blank for USA addresses.
ToDeliveryPoint	Text	3	Delivery point digits for destination address
ToCarrierRoute	Text	5	Carrier route for destination address

Element	Type	Size or Values	Description
ToReturnCode	Text	3	CASS return code for address validation. Refer to Table 6 in the Appendix.
ToEMail	Text	150	E-mail address for recipient – for logging only
ToPhone	Text	50	Phone number for recipient (required for Express Mail only)
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.
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 Table 6 in the Appendix for possible error code values.
PIC	Text	USPS tracking number	Tracking number (Delivery Confirmation, Signature Confirmation, CONFIRM or Express Mail) supplied by the USPS. Output only.
CustomsNumber	Text	USPS Customs number	USPS assigned Customs number for Global Express Mail or Customs Forms Declaration. Output only.
FinalPostage	Currency	5.2	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.

The following listing gives a syntax sample of a printing XML file for DAZzle.

Listing 1 – Sample Printing XML

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

Listing 2 – Sample XML for International Mail

```
<DAZzle Start="PRINTING" Prompt="YES" AutoClose="NO" Test="NO" OutputFile="C:\singleintlout.xml"
AutoPrintCustomsForms="YES">
  <Package ID="1">
    <MailClass>INTLFIRST</MailClass>
    <PackageType>RECTPARCEL</PackageType>
    <DateAdvance>0</DateAdvance>
    <WeightOz>40</WeightOz>
    <Services
      RegisteredMail = 'OFF'
      InsuredMail = 'ON'
      CertifiedMail = 'OFF'
      RestrictedDelivery = 'OFF'
      CertificateOfMailing = 'OFF'
      ReturnReceipt = 'OFF'
      DeliveryConfirmation = 'OFF'
      SignatureConfirmation = 'OFF'
      COD = 'OFF' >
    </Services>
    <Value>24.45</Value>
    <Description>Men's cotton shirt</Description>
    <CustomsFormType>CN22</CustomsFormType>
    <CustomsQuantity1>1</CustomsQuantity1>
    <CustomsWeight1>40</CustomsWeight1>
    <CustomsDescription1>Men's Cotton Shirt</CustomsDescription1>
    <CustomsValue1>24.45</CustomsValue1>
    <CustomsCountry1>Italy</CustomsCountry1>
    <CustomsCertify>TRUE</CustomsCertify>
    <CustomsSigner>Joe Customer</CustomsSigner>
    <ToName>Joe Bloe</ToName>
    <ToCompany></ToCompany>
```

```

    <ToAddress1>1900 Queen Mary Ave</ToAddress1>
    <ToAddress2></ToAddress2>
    <ToCity>Brampton</ToCity>
    <ToState>ON</ToState>
    <ToPostalCode>L7A 1Y3</ToPostalCode>
    <ToCountry>CANADA</ToCountry>
    <ToEMail>jobloe@phoneyyahoo.com</ToEMail>
    <RubberStamp1>Item Description</RubberStamp1>
    <RubberStamp2>381099999</RubberStamp2>
  </Package>
</DAZzle>

```

Listing 3 – Multiple Item XML File

```

<DAZzle Start='PRINTING' Prompt='YES' AutoClose='NO' OutputFile='c:\testout.xml' Test='YES'>
<Package ID="1">
  <MailClass>FIRST</MailClass>
  <PackageType>ENVELOPE</PackageType>
  <DateAdvance>0</DateAdvance>
  <WeightOz>5</WeightOz>
  <Services InsuredMail="ON" DeliveryConfirmation="OFF" COD="OFF"></Services>
  <CostCenter>25</CostCenter>
  <Value>25.00</Value>
  <Description>test 1</Description>
  <ReferenceID>10</ReferenceID>
  <ToName>Scott Montgomery</ToName>
  <ToCompany>PSI</ToCompany>
  <ToAddress1>247 High St</ToAddress1>
  <ToCity>Palo Alto</ToCity>
  <ToState>CA</ToState>
  <ToPostalCode>94301</ToPostalCode>
  <ToEMail>scottm@envmgr.com</ToEMail>
  <ToPhone>650 321-2640 x103</ToPhone>
</Package>
<Package ID="2">
  <MailClass>PRIORITY</MailClass>
  <PackageType>RECTPARCEL</PackageType>
  <DateAdvance>0</DateAdvance>
  <WeightOz>16</WeightOz>
  <Services DeliveryConfirmation="ON" COD="OFF"></Services>
  <CostCenter>35</CostCenter>
  <Value>35.00</Value>
  <Description>test 2</Description>
  <ReferenceID>20</ReferenceID>
  <ToName>Jessie Montgomery</ToName>
  <ToCompany></ToCompany>
  <ToAddress1>110 Main St</ToAddress1>
  <ToCity>Los Altos</ToCity>
  <ToState>CA</ToState>
  <ToPostalCode>94024</ToPostalCode>
</Package>
<Package ID="3">
  <MailClass>PRIORITY</MailClass>
  <PackageType>FLATRATEBOX</PackageType>
  <DateAdvance>0</DateAdvance>
  <WeightOz>16</WeightOz>
  <Services SignatureConfirmation="ON"></Services>
  <CostCenter>45</CostCenter>
  <Value>45.00</Value>
  <Description>test 3</Description>
  <ReferenceID>30</ReferenceID>

```

```
<ToName>Susan Williams</ToName>
<ToCompany></ToCompany>
<ToAddress1>818 Carmel Ave</ToAddress1>
<ToCity>Los Altos</ToCity>
<ToState>CA</ToState>
<ToPostalCode>94022</ToPostalCode>
</Package>
</DAZZle>
```

2.b. Output Information

DAZZle will return printing information in XML format when printing from XML **file** source (i.e., it does NOT create output when printing from the clipboard). 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 (e.g. address data changed during the verification process). If the data element is NOT in the original source data, DAZZle will add the information to the output XML. Refer to Section **Error! Reference source not found.** 2a for details on each tag that is updated or added.

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

2.b.1. For an external file

When printing from a file, DAZZle will prompt the user for the name of an output file to store the results. The default name is the source file name with “output” appended (e.g. `filename-output.xml`). When using automated printing with NO prompts (see section 2.a.1), the default file name is automatically used (any existing file with this name will be overwritten).

2.b.2. 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.

3. ADDRESS VERIFICATION

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

3.a. DAZzle Address Verification XML Syntax

The DAZzle XML address verification syntax is actually the same as the syntax for Printing, except many tags are not required (or otherwise ignored). The minimum set of data is listed in detail in table 2.

NOTE: Address Verification via XML can NOT be fully automated – it will always have user prompts and can not be started using directory monitoring.

Important notes about all elements:

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

Table 2 - XML Verification Elements

Element	Type	Size or Values	Description
DAZzle	Root	-	The root node for the XML request.
Package	Node	-	Package information.
<i>ID</i>	<i>numeric</i>	<i>1-n</i>	<i>Numeric identifier for each address in the request. There may be multiple address (indicium) requests.</i>
<i>ToName</i>	<i>Text</i>	<i>150</i>	<i>Destination Name</i>
<i>ToTitle</i>	<i>Text</i>	<i>150</i>	<i>Title (follows name line)</i>
<i>ToCompany</i>	<i>Text</i>	<i>150</i>	<i>Company name</i>
ToAddress1	Text	150	First address line
ToAddress2	Text	150	Second address line
ToAddress3	Text	150	Third address line
ToAddress4	Text	150	Fourth address line
ToAddress5	Text	150	Fifth address line
ToAddress6	Text	150	Sixth address line
ToCity	Text	50	Destination City
ToState	Text	25	Destination State or province
ToPostalCode	Text	15	Destination Postal-code. The format is either ZIP5 only or ZIP+4 for US addresses.
<i>ToZIP4</i>	<i>Text</i>	<i>5</i>	<i>+4 add-on for US addresses.</i>
<i>ToCountry</i>	<i>Text</i>	<i>50</i>	<i>Destination Country</i>
<i>ToDeliveryPoint</i>	<i>Text</i>	<i>3</i>	<i>Delivery point digits for destination address</i>
<i>ToCarrierRoute</i>	<i>Text</i>	<i>5</i>	<i>Carrier route for destination address</i>
<i>ToReturnCode</i>	<i>Text</i>	<i>3</i>	<i>CASS return code for address validation Refer to Table 6 in the Appendix.</i>

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

Listing 2 – 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>
```

3.b. Output Information

DAZzle will update the source data with the results of the 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 Listing 2 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 does not verify it is still updated with the return code that indicates why the verification failed.

4. ADDRESS BOOK

Data may be imported into or exported from DAZzle’s Address Book via XML formatted text files.

4.a. Importing

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

4.b. Exporting

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

Important notes about all elements:

- Italic items are optional.
- Bold items are exported.

Table 3 - XML Verification Elements

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

Element	Type	Size or Values	Description
ToReturnCode	Text	3	CASS return code for address validation Refer to Table 6 in the Appendix.
ToCASSDate	Date	YYYYMMDD	Date of CASS verification
ToEmail	Text	100	E-mail address
ToPhone	Text	20	Phone Number

Listing 3 – 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>

```

5. POSTAGE LOG

Data may be exported from DAZzle’s postage log via XML formatted text files.

5.a. Exporting

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

Table 4 - XML Log Elements

Element	Type	Size or Values	Description
DAZzleLog	Root	-	The root node for the XML
Record	Node	-	Record information.
ID	Numeric attribute	1-n	Numeric identifier for each record. Sequential entry in the log file.
Account	Text	6	Six digit customer account number
DeviceID	Text	10	Corresponds to the device ID printed with each postage indicia.
AccountName	Text	60	Sender’s Name
TransactionID	Numeric		Unique ID for transaction – corresponds to the piece count for the account used.
Status	Text	Success or Failure	Success means transaction completed successfully.
TransactionType	Numeric	2	07 is postage purchase. 08 is a “stamp”
TransactionDateTime	Date	YYYYMMDDHHMMSS	Date and Time the transaction was created.
PostmarkDateTime	Date	MM/DD/YYYY	Postmark date printed with indicia
AccountBalance	Currency	10	Funds remaining in account after transaction
MailClass	text	None First Class First Class, Postcard Priority Mail Etc.	Mail class used for the item.
WeightOz	Numeric	6	Weight of the package in ounces
Services	Node	-	Special Services requested for the package.
RegisteredMail	Attribute	ON 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
DeliveryConfirmation	Attribute	ON OFF	Delivery Confirmation requested Delivery Confirmation not requested
SignatureConfirmation	Attribute	ON OFF	Signature Confirmation requested Signature Confirmation not requested
COD	Attribute	ON OFF	COD requested COD not requested

Element	Type	Size or Values	Description
CostCenter	Numeric	8	Optional cost-center code for accounting purposes – This is listed as Group Code in the DAZzle print window.
Value	Currency	5.2	Value of the item shipped. Used for insurance and other optional services (to the cent)
Description	Text	50	Description of the item shipped. Used for authentication by recipient
ReferencelD	Text	25	A reference value for logs
CostCenter	Text	12	Cost Center code (AKA Group Code)
ToAddress	Text	150	First address line
ToPostalCode	Text	15	Destination Postal-code. The format is either ZIP5 only or ZIP+4 for US addresses.
ToEMail	Text	150	E-mail address for recipient – for logging only
ToPhone	Text	50	Phone number for recipient (required for Express Mail only)
PIC	Text	USPS tracking number	Tracking number (Delivery Confirmation, Signature Confirmation or Express Mail) supplied by the USPS.
CustomsID	Text	15	Customs ID associated with international Mail items
InsuranceType	Text	UPIC ENDICIA USPS NONE	Type of insurance used.
ExpressMailOptions	Text		Coded field for Express Mail options selected
ReplyPostage	Text	YES NO	Was Reply Postage used?
Reprinted	Text	YES NO	Was the item reprinted?
RefundStatus	Text	YES NO	Was e-refund selected for this item?
DeliveryStatus	Text		Coded field indicating the delivery status of the item (if some form of tracking was used).
DeliveryDescription	Text	50	Delivery status description from the USPS
CustomsContentType	Numeric	0=Sample 1=Gift 2=Documents 3=Other 4=None 5=Returned goods	Content Type selected on customs forms (if applicable)
CustomsFormType	Numeric	0=None 1=Global Express Mail 2=2976A (CN22) 3=2976 (CP72)	Customs form used (if applicable) (obsolete)
CustomsDescriptionX	Text	25	Description for line X of customs form
CustomsQuantityX	Numeric	10	Quantity for line X of customs form
CustomsWeightX	Numeric	10	Weight (ounces) for line X of customs form
CustomsValueX	Currency	10	Value for line X of customs form
CustomsCountryX	Text	25	Origin Country for line X of customs form
FinalPostage	Currency	5.2	Actual postage for transaction

Listing 4 – Postage Log XML

```
<DAZzleLog Account='601225' Name='Joe Customer' Phone='(650) 555-2640'
Email='joe@companyname.com'>
<Record ID="6990">
```

```
<Account>601225</Account>
<DeviceID>071V00601225</DeviceID>
<AccountName> Joe Customer </AccountName>
<TransactionID>12289</TransactionID>
<TransactionDateTime>09/06/2006 10:24 AM</TransactionDateTime>
<Status>Success</Status>
<TransactionType>08</TransactionType>
<AccountBalance>40,627.302</AccountBalance>
<PostmarkDateTime>09/06/2006</PostmarkDateTime>
<ToAddress>DAVID Recipient, 15021 NE 31st St, Vancouver, WA 98682-8302</ToAddress>
<ToPostalCode>98682830221</ToPostalCode>
<FinalPostage>1.73</FinalPostage>
<MailClass>Package, Media Mail</MailClass>
<Services DeliveryConfirmation = 'ON'></Services>
<WeightOz>16</WeightOz>
<PIC>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>Express Mail</MailClass>
  <Services></Services>
  <WeightOz>16</WeightOz>
  <PIC>EO010000203US</PIC>
  <Value>0.00</Value>
  <CostCenter>0</CostCenter>
  <Insurance>NONE</Insurance>
  <ExpressMailOptions>NYY</ExpressMailOptions>
  <ReplyPostage>NO</ReplyPostage>
  <Reprinted>NO</Reprinted>
  <CustomsContentType>4</CustomsContentType>
</Record>
</DAZzleLog>
```

6. APPENDIX

Table 5 – 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

Table 6 – Values for “Status” tag

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	Express Mail International Error – either no “to phone” or “to e-mail” address
-6	USPS Delivery Confirmation error – denied, service unavailable or communication error
-7	USPS Express Mail error – denied, service unavailable or communication error
-8	USPS Customs Forms error – denied, service unavailable or communication error
-9	International Mail Shipping Label (large or small) processing error
-10	CONFIRM service error – denied, service unavailable or communication error