

ENDICIA LABEL SERVER™

Production Update October 18, 2016

Version 8.6 Final

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1. OVERVIEW

About Endicia Label Server

Endicia Label Server (ELS) is an XML Web Service that enables you to create shipping labels with live prepaid postage *on the label!* You can:

- Print both domestic labels and international customs forms.
- Ship to domestic, APO/FPO destinations, and international addresses.
- Qualify for postage discounts available only to PC Postage customers.

ELS Web Services can be integrated into any number of applications—from online shopping carts to websites; from fulfillment or distribution centers to multi-location, multi-user, and multi-carrier applications; and from consumer software applications to enterprise-wide solutions.

ELS Web Services supports all mail classes available to USPS PC Postage Customers. Additionally, ELS Web Service supports different USPS pricing levels—such as Retail, Commercial Base, Commercial Plus—and custom pricing such as NSA (Negotiated Service Agreement) and GEPS (Global Expedited Package Services) contract pricing.

About Representing Integrators, Partners, and Developers

You may represent one or more of the following roles as you work with ELS Web Service:

- **Integrator**, who uses ELS to print USPS labels for your fulfillment or distribution operations.
- **Partner**, who uses ELS to integrate USPS labels into an end-user application, which you can offer to your customers.
- **Developer**, who—combined with his or her programming skills—uses the ELS Web Service to build solutions for a Partner or Integrator.

As an Integrator or Partner, you will work closely with Developers and the Endicia team to produce an ELS solution that meets your needs.

Summary of Changes Version 8.6

#	Description of Change	Implementation Impact
1	GetTransactionsListing: New Response Elements: Zone, Cubic Volume Indicator & Refund Details	Mandatory
2	Updated version of CalculatePostageRate and CalculatePostageRates	Mandatory
3	Reminder: CFC Methods Retired in Q1 2017	Mandatory
4	GetPackagePickUp and GetPackagePickUpChange to support First Class Package Service	Optional
5	First-Class Package International Service Value Limits and Dimensions Validation	Optional
6	Domestic First-Class Dimension Validation and Irregular Parcel \$0.20 Surcharge	Optional

7	GetPostageLabel: New ImageFormat Options: PDFVector & PDFVectorWithFonts	Optional
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For complete details on the above changes, contact labelserver@endicia.com and request Product Advisory Notice #2016-3.

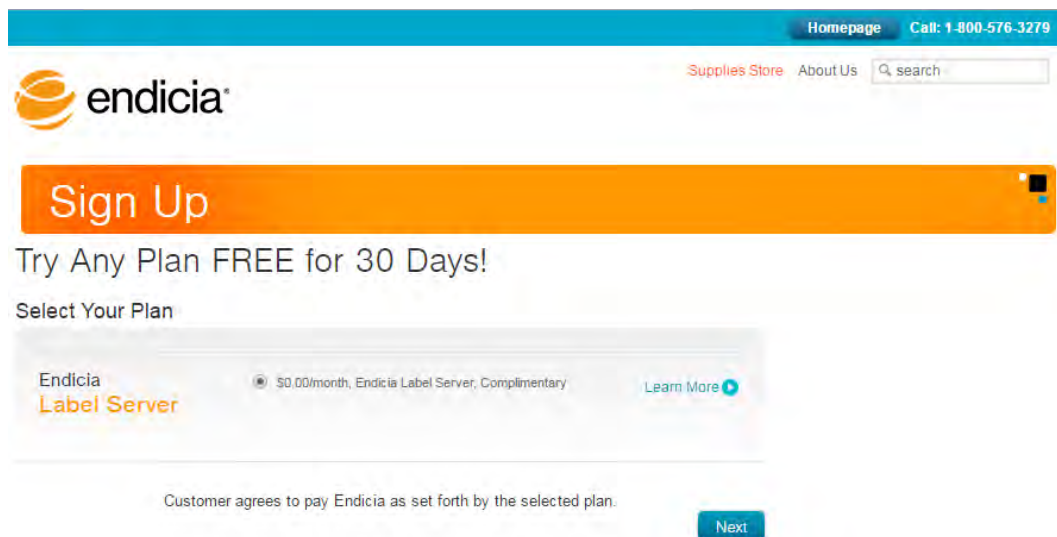
2. GETTING STARTED

Create Your ELS Sandbox Account

The ELS Sandbox allows you to build your integration in a safe environment using unlimited “play money”. You will not be charged for service or transaction fees for accounts created in the ELS Sandbox, and you can create as many accounts as you need for testing.

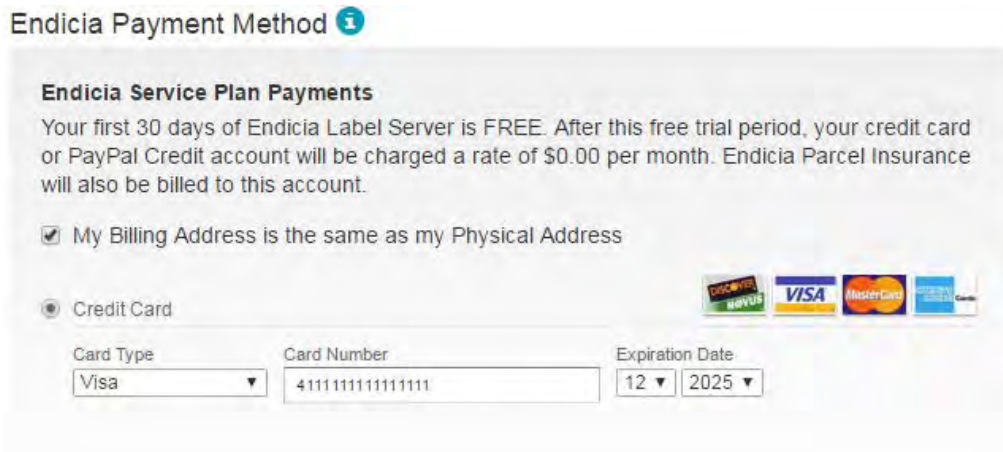
If you run into any problems along the way, you may contact Endicia’s Label Server technical support at labelserver@endicia.com. Include your sandbox account number, if you know it, and as much detail as possible to assist us in helping you.

1. Go to <http://account.elstestserver.endicia.com/partner?id=1xxx> (1xxx is the sandbox "RequesterID" for all sandbox accounts) and create an ELS Sandbox account.



The screenshot shows the Endicia Sign Up page. At the top, there is a blue header with "Homepage" and "Call: 1-800-576-3279". Below the header is the Endicia logo and a navigation bar with "Supplies Store", "About Us", and a search bar. A large orange banner says "Sign Up". Below the banner, it says "Try Any Plan FREE for 30 Days!". Under "Select Your Plan", there is a plan for "\$0.00/month, Endicia Label Server, Complimentary" with a "Learn More" link. At the bottom, there is a "Next" button.

2. Use your real address and contact information, with the exception of your payment method, for which you will enter the following:
Select **Visa** and enter the Card Number **4111111111111111**, along with an expiration date that is in the distant future. Do *not* use a live credit card number.



The screenshot shows the "Endicia Payment Method" form. It has a title "Endicia Service Plan Payments" and a paragraph: "Your first 30 days of Endicia Label Server is FREE. After this free trial period, your credit card or PayPal Credit account will be charged a rate of \$0.00 per month. Endicia Parcel Insurance will also be billed to this account." There is a checkbox "My Billing Address is the same as my Physical Address" which is checked. Below this, there is a "Credit Card" option selected. To the right of the "Credit Card" option are logos for Discover, Visa, MasterCard, and American Express. Below the logos, there are three input fields: "Card Type" with a dropdown menu showing "Visa", "Card Number" with the text "4111111111111111", and "Expiration Date" with two dropdown menus showing "12" and "2025".

3. Make a note of the WebPassword and Pass Phrase you selected when creating your account – you'll need them later.

You will receive email confirmation notice that contains your ELS Sandbox AccountID.

Note: You can also use the UserSignUpRequest API method to create your account, but if you'd like to get up and running quickly, follow the above steps. You may want to implement the [Signing Up for an Account API](#) in this document if plan to sign up new accounts in production.

Activate Your New ELS Sandbox Account

To activate your account, you will need to run the ChangePassPhrase Request XML—just as you would do in production. This will activate your account so you can log into the account at <https://elstestserver.endicia.com/Account/LogIn/>.

Depending upon the process you choose to develop your Label Server integration, you may need to download the WSDL file for the core Label Server functions.

The WSDL is located at: <https://elstestserver.endicia.com/LabelService/EwsLabelService.asmx?wsdl>

A full list of all the methods in this document, with SOAP examples for each and a testing window for your XML is located at: <https://elstestserver.endicia.com/LabelService/EwsLabelService.asmx>

- Click on the API method name (i.e., "GetPostageLabel") to see SOAP samples.
- Click on the API method name ending in "XML" (i.e., "GetPostageLabelXML" to access a dialog allowing you to test your XML.

Before you make your first request, there are a few common elements in the API you should be aware of:

1. The <RequesterID> is the four-character code that identifies the request as coming from a specific partner. In the sandbox, all accounts use lxxx (with a lower-case "L"). In production, you'll be assigned your own unique Requester ID.
2. The <RequestID> allows you to map every request you make to the corresponding response you receive back.
3. The <CertifiedIntermediary> node contains two elements:
 - a. The <AccountID>, which identifies the postage "meter" number you received in your confirmation email and will use in all your requests,
 - b. and the <PassPhrase>, which is a string value of words or characters which validates that you are the authorized user of the account. Optionally, you can switch to using a <Token> instead of a <PassPhrase>.

With these necessary elements in mind, you're ready to make your API calls.

Here's your first API call:

1. Point your request to the sandbox server at <https://elstestserver.endicia.com/LabelService/EwsLabelService.asmx>
2. Run the ChangePassPhrase Request, using the Pass Phrase you selected when you created your account (replace *italicized* values with your valid data):

```
<?xml version="1.0" encoding="utf-8"?>
<ChangePassPhraseRequest TokenRequested="false">
```

```

<RequesterID>lxxx</RequesterID>
<RequestID>1</RequestID>
<CertifiedIntermediary>
  <AccountID>25xxxxxx</AccountID>
  <PassPhrase>your temporary Pass Phrase</PassPhrase>
</CertifiedIntermediary>
<NewPassPhrase>your new Pass Phrase</NewPassPhrase>
</ChangePassPhraseRequest>

```

3. Description of the elements:
 - a. The TokenRequested attribute is set to false. See [About Account Credentials](#) for details on using a <Token> instead of a <PassPhrase>.
 - b. <ChangePassPhraseRequest> is the root node.
 - c. The <RequesterID>, <RequestID> and <CertifiedIntermediary> node are described above.
 - d. Your <NewPassPhrase> is the value you will use in the <PassPhrase> element for other API methods once you've executed this request successfully.
4. Once you've executed the ChangePassPhraseRequest API method successfully, your account will be active, and you'll be ready to purchase some "play money" postage.

Note: Additional details on changing the Pass Phrase can be found in the section, [Changing the Pass Phrase API \(Required\)](#).

Make Your First Postage Purchase

After activating your account with a permanent Pass Phrase, you will need to purchase postage for testing. You can initially purchase up to \$500 in postage and have a maximum balance of \$500 in your account at any given time. *This is not live postage and will not cost you anything.*

1. As you did previously, point your request to the sandbox server at <https://elstestserver.endicia.com/LabelService/EwsLabelService.asmx>
2. Run the RecreditRequest API Method:

```

<RecreditRequest>
  <RequesterID>lxxx</RequesterID>
  <RequestID>2</RequestID>
  <CertifiedIntermediary>
    <AccountID>25xxxxxx</AccountID>
    <PassPhrase>your new Pass Phrase</PassPhrase>
  </CertifiedIntermediary>
  <RecreditAmount>500</RecreditAmount>
</RecreditRequest>

```

3. Description of the elements:
 - a. The <RecreditAmount> is where you will enter the amount of postage you are purchasing – remember, this is not real money, so purchase as much as you want.
4. Once you've executed the RecreditRequest API method successfully, your account will be funded and ready to print postage labels using the GetPostageLabel API method.

Print Your First Label

Your sandbox account is now created, activated, and fully funded with prepaid postage. Now you can create your first postage label.

Creating postage labels is the most complex function of the Label Server API. There are dozens of options and combinations available to support the many USPS offerings for domestic, international and consolidator label printing. So we're going to start off with a Label Request in its simplest form, using only the required and most common request settings.

1. Point your request to the sandbox server at <https://elstestserver.endicia.com/LabelService/EwsLabelService.asmx>
2. Run the Label Request API method:

```
<LabelRequest>
  <RequesterID>lxxx</RequesterID>
  <AccountID>25xxxxx</AccountID>
  <PassPhrase>your Pass Phrase</PassPhrase>
  <MailClass>Priority</MailClass>
  <WeightOz>16</WeightOz>
  <PartnerCustomerID>100</PartnerCustomerID>
  <PartnerTransactionID>200</PartnerTransactionID>
  <ToName>Jane Doe</ToName>
  <ToAddress1>1 Hacker Way</ToAddress1>
  <ToCity>Palo Alto</ToCity>
  <ToState>CA</ToState>
  <ToPostalCode>94025</ToPostalCode>
  <FromCompany>Endicia, Inc.</FromCompany>
  <FromName>John Doe</FromName>
  <ReturnAddress1>278 Castro Street</ReturnAddress1>
  <FromCity>Mountain View</FromCity>
  <FromState>CA</FromState>
  <FromPostalCode>94041</FromPostalCode>
</LabelRequest>
```

3. First, notice that the <AccountID> and <PassPhrase> are *not* enclosed in a <CertifiedIntermediary> node, as the other requests are. Enclosing credentials in a node was added later to other methods in the Label Server API.
4. Description of the elements:
 - a. <PartnerCustomerID> and <PartnerTransactionID> are required elements, but are not validated under normal circumstances. Neither of these values are stored in our database nor returned in the Label Response XML. You can use the <PartnerCustomerID> to identify your customer's requests using your account, and the <PartnerTransactionID> to uniquely identify your customer's transaction, if you would like. Otherwise, you can simply set a default value for them, as we have in the above example.
 - b. <ToName>, <ToAddress1>, <ToCity>, <ToState> and <ToPostalCode> contain the basic address elements of the addressee.
 - c. <FromCompany>, <FromName>, <ReturnAddress1>, <FromCity>, <FromState>, <FromPostalCode> contain the basic return address elements of the sender.

5. When you execute the above request using your credentials, you'll receive a response back containing a <Base64> element, which will require decoding before the label can be printed. The default image format is PNG, but as you'll see later, there are several other options you can choose.

Note: As mentioned, there are many ways to configure a Label Request. See the following sections for more information:

- [Requesting a Shipping Label API \(Required\)](#)
- [Integrated Customs Form Options](#)
- [Consolidator Services](#)
- [Return Label Options](#)

See the [Printing](#) section for details on printing your labels.

Print an Integrated Customs Form

Now that you've created a label, let's create an integrated customs form. The postage payment information as well as the customs form information are conveniently combined into a single label.

1. Point your request to the sandbox server at <https://elstestserver.endicia.com/LabelService/EwsLabelService.asmx>
2. Run the Label Request API method:

```
<LabelRequest LabelType="International" LabelSubtype="Integrated"
>
  <RequesterID>lxxx</RequesterID>
  <AccountID>25xxxxxx</AccountID>
  <PassPhrase>your pass phrase</PassPhrase>
  <MailClass>PriorityMailInternational</MailClass>
  <WeightOz>16</WeightOz>
  <MailpieceShape>SmallFlatRateBox</MailpieceShape>
  <PartnerCustomerID>100</PartnerCustomerID>
  <PartnerTransactionID>201</PartnerTransactionID>
  <CustomsInfo>
    <ContentsType>Merchandise</ContentsType>
    <CustomsItems>
      <CustomsItem>
        <Description>Item 1</Description>
        <Quantity>1</Quantity>
        <Weight>12</Weight>
        <Value>15</Value>
      </CustomsItem>
    </CustomsItems>
  </CustomsInfo>
  <FromName>John Doe</FromName>
  <FromCompany>Endicia, Inc.</FromCompany>
  <ReturnAddress1>278 Castro Street</ReturnAddress1>
  <FromCity>Mountain View</FromCity>
  <FromState>CA</FromState>
  <FromPostalCode>94041</FromPostalCode>
  <FromPhone>6503212640</FromPhone>
```

```

<ToName>Jane Smith</ToName>
<ToAddress1>1075 W Pender St</ToAddress1>
<ToCity>Vancouver</ToCity>
<ToState>BC</ToState>
<ToPostalCode>V6E 2M6</ToPostalCode>
<ToCountryCode>CA</ToCountryCode>
<ToPhone>6046854311</ToPhone>
</LabelRequest>

```

3. Description of the elements:

- a. The LabelType attribute tells Label Server that this is an international label. This was not needed in the first label request because the default for Label Server is to print a domestic label.
- b. The LabelSubtype attribute tells Label Server to use the information in the <CustomsInfo> node to populate the customs information in the printed form. It is only used when you are printing customs forms.
- c. Notice that there are different <MailClass> options for international requests.
- d. The <CustomsInfo> node contains all the elements you may need to populate various parts of the form. Most are optional, but the <ContentsType> is always required,
- e. The <CustomsItems> node contains a sub-node, <CustomsItem>, which you can use to enter multiple customs items in your request. The printed form contains up to five customs items. A continuation form will be printed if you have additional customs items.
- f. You'll notice a new element in the addressee information: <ToCountryCode>. Enter the ISO 3166 two-character Country Code into this element.

Request a Refund

With the USPS, you are charged for live postage when you print the label. In order to void or cancel a label, you must request a refund of the postage. Since a postage label was created, and a tracking number assigned, the USPS must take steps to ensure that the label is not used before authorizing a refund. As a result, it takes the USPS about two weeks to approve a refund request.

To create your refund request:

1. Point your request to the sandbox server at <https://elstestserver.endicia.com/LabelService/EwsLabelService.asmx>
2. Run the Refund Request API method:

```

<RefundRequest>
  <RequesterID>lxxx</RequesterID>
  <RequestID>3</RequestID>
  <CertifiedIntermediary>
    <AccountID>25xxxxxx</AccountID>
    <PassPhrase>your Pass Phrase</PassPhrase>
  </CertifiedIntermediary>
  <PicNumbers>
    <PicNumber>0400110200830101638334</PicNumber>
  </PicNumbers>
</RefundRequest>

```

3. Description of the elements:

- a. The <PicNumbers> node contains <PicNumber> elements. You can request a refund for multiple mail pieces in a single request.
- b. The <PicNumber> element contains the tracking number for the mail piece. This number is returned in the <TrackingNumber> of the Label Request Response.
 - Note that when a test label is produced (Test="YES" in the API Request), a unique tracking number will not be returned, and no data will be stored in the database. Therefore, you cannot request a refund on a test transaction.
- c. In addition to <PicNumbers>, you can also use the <PieceNumber> under the <PieceNumbers> node if you prefer. It requires the <TransactionID> value from the Label Request Response.

Next Steps

The above tutorials and examples should have you on your way to developing a successful and robust Endicia Label Server integration. There are more details and features for each of the examples above in the sections that follow, and more API methods you can add to build a complete application.

Please consult with your sales representative to gather all the documents required to get your Partner ID and create your production Endicia Label Server account. See Appendix A: [Path to Production](#) for details.

Contacting Technical Support

ELS technical support is available Monday through Friday from 6:00 AM until 6:00 PM PST. We are closed on some Federal holidays.

For technical issues, such as questions about API requests and responses, support is available by email at labelserver@endicia.com, or by calling 1-800-576-3279 x270 during normal business hours.

For best results, always include the following information, as applicable, in your email:

- Your ELS account number
- Your name, phone number, and email address
- XML requests and responses as attachments or copy and paste the exact error message that you are receiving, and which API method is generating the message

We strive to respond to all email questions within an hour, but sometimes more time may be required to investigate your question and perform testing. If necessary, we may call you. For business-related issues, contact your Endicia Sales representative.

3. POSTAGE AND ACCOUNT SECURITY

Postage

As you begin development, be aware that postage is essentially "money".

The USPS does not offer payment terms for postage. You must add funds to your postage account before you print postage. When you print postage, the amount is deducted from your postage account balance. Postage is charged when the label is printed, not when it is scanned (with the exception of Endicia Pay-On-Use service). You must safeguard your label production process to ensure that unused or unintended postage is not accidentally charged against your account and that your process restricts access to the Endicia Web Services only to your authorized users.

You must make absolutely certain that your application does not allow live postage to be printed accidentally. For example:

- Allowing the user to click a button multiple times before a transaction is completed will result in the unexpected purchase of multiple identical labels. Be sure to disable the button until each transaction is completed.
- Be certain that the label is successfully printed before deleting the image file or the Base64 data.

You can refund any unused postage or misprints using the [Requesting a Refund API](#) or by accessing your account pages at www.endicia.com. It takes approximately two weeks for the USPS to authorize a credit to your account.

About Security

At Endicia, we have a comprehensive information security policy that addresses the security requirements of integrity, authenticity, and availability. We comply with the USPS information security regulations, the Payment Card Industry (PCI) security regulations, and are audited for financial integrity under Sarbanes-Oxley Act of 2002 regulations. A comprehensive validation of all Endicia security policies and procedures is performed during annual regulatory audits for PCI, SSAE-16, and the USPS.

Authentication

The primary means of authentication is through the use of an account Pass Phrase. Every account must have a Pass Phrase. The combination of the account number and the Pass Phrase allows postage to be printed and postage to be purchased. For partners who work with a number of accounts that are owned by their customers, we support a number of cryptographic token-based account credentials. Please contact Endicia for more details on these methods and to discuss requirements.

Integrity

Account details are protected by a patented system including FIPS 140-compliant cryptographic algorithms that ensures postage transactions and account balance changes are accurately recorded and correct. The system has controls to detect and prevent both external (hacking) and internal tampering with account details. Credentials and financial information are always stored and transmitted in encrypted form.

Availability

Endicia endeavors to provide a continuously operating service $24 \times 7 \times 365$. When maintenance that impacts site availability is required, customers are notified at least two weeks in advance of the maintenance period. The Endicia environment is located within a Tier 3 data center, is fully redundant,

and provides resiliency against equipment failure, power loss, and network connectivity issues. In addition, Endicia has a disaster recovery facility that will be used in the event of a catastrophic failure. We continuously monitor the performance of our service offerings and take action whenever label response times fall out of acceptable range.

About Account Credentials

Account Number (AccountID)

When you sign up for a new Endicia account using the [Signing Up for an Account API](#), your Account Number will be returned in the API response, and will also be sent to you in a confirmation email.

Pass Phrase

During the initial setup, you must complete the following steps to obtain a production-ready PassPhrase:

1. You must provide a temporary Pass Phrase while signing up for your Endicia account.
2. Upon successfully completing the signup process, you will receive a confirmation email message with your new Endicia account information. You must then use the [Changing the Pass Phrase API \(Required\)](#) web method to set your Pass Phrase to a new, permanent value. This will also activate the account so you can log into the web site. If you are an approved Enterprise Partner, each customer will have their own Endicia account. In most cases, you will want to include functionality that allows customers to independently reset and change their Pass Phrases.

Important! Do not reuse your old Pass Phrases, or use the same Pass Phrase with multiple accounts.

Token

When creating an account or changing the PassPhrase, you can set the TokenRequested attribute to “true”, which will return a value in the <Token> element of the response. You can then use the <Token> instead of the <AccountID> and <PassPhrase> in your API requests.

About the Token option:

- The Token is a hash value made up of the combined AccountID and PassPhrase. So a PassPhrase is still required when creating an account or changing the PassPhrase with the TokenRequested attributed set to “true”.
- When the Token is enabled, you can still use the AccountID and PassPhrase in your requests, but *you cannot use both the Token and the AccountID with PassPhrase in the same request.*
- You can remove the Token from the account by running the ChangePassPhrase Request with TokenRequested set to “false”. This also requires that you set a new PassPhrase.
- The Token option is not available when creating an account from the Endicia.com web site.

Internet Password

You must also enter an Internet Password while signing up for your Endicia account. You can use your Internet Password to gain access to your account pages at www.endicia.com.

About Label Requirements

Sample Label Approval Process

If you will be printing labels as an image (PNG, JPEG, or GIF) or as a PDF document, ensure that the dimensions are not altered (based on the label size requested) and that the aspect ratio has not been changed.

If you will be using thermal printers in your production environment, you must scan or photograph sample labels and send them to labelserver@endicia.com for approval prior to going live.

No alterations or substitutions of images or text may be superimposed or overlaid on the label. You may insert information preceding or following the finished label, such as barcodes for internal use, order details, or your logo.



Verify the following on your labels:

- The IBI (Information-Based Indicia) in the upper-right must print correctly and clearly. If this barcode is distorted or does not print at all, you may need to upgrade your printer's firmware, or may need to check your printer for compatibility issues.
- Ensure that `<ValidateAddress>` is set to TRUE (default) for all label requests. The Carrier Route Code (C000) and Retail Distribution Code (0022) in this example, print only when a validated address is provided.
- Labels from thermal printers must print in solid black with no faded areas or grey "hollow" portions, but not so dark that characters or barcode gaps are filled in.
- The barcode must be centered across the bottom. Ensure that the label does not extend beyond the edges or that any portion of the image is cut off.

About Setting up Accounts

As a Partner, one of your earliest considerations must be to decide how to set up customer accounts. Depending on how you are using ELS Web Service, each approach will differ:

- You can create your own account sign-up process using the [Signing Up for an Account API](#) web method.

- You can direct customers to your custom sign-up page at Endicia.com. For example, <https://account.endicia.com/partner?id=xxx>.
- If you are an integrator, you may want to establish accounts for each of your shipping locations or stores.

The Partner ID or the Requester ID that is uniquely assigned to each partner or integrator must be included in the <RequesterID> element of the [Requesting a Shipping Label API \(Required\)](#) web method.

If you are a partner providing postage labels to your customers using your own accounts, the USPS requires that your customers be identified as Shared PES (Postal Evidencing System) users. Use the [Creating & Updating Shared PES User Contact Information API](#) web method to submit your customers' contact information to uniquely identify them in USPS systems. Subsequently, you must include their unique identification in all Label Request transactions in the <PartnerCustomerID> element of the [Requesting a Shipping Label API \(Required\)](#) web method.

Payment Considerations

Endicia offers multiple payment options while setting up an account. However, each account can be funded by only one payment method. A partner or customer can set up several accounts, each funded by a different payment method. Available payment methods include Credit Card, ACH Debit, ACH Credit and Wire Transfer. For more information about postage payment methods, see [Endicia Bank-to-Bank Postage Payment Options](#).

Additionally, CAPS (Centralized Account Processing System) and OMAS (Official Mail Accounting System) are available USPS payment options for qualified customers and agencies. Contact your Endicia Sales representative to discuss participation in these programs.

There is no limit to the number of accounts that a Partner may create, either on behalf of their customers or for themselves.

Depending on business models and needs, each Partner may create accounts in different ways. A few examples follow:

- A Partner could be an individual user or company wanting to implement a full Web Service solution into their application. In this case, the Partner can set up one Endicia account and allow all transactions to be processed through their application.
- A Partner could be an eCommerce website that has buyers and sellers. The Partner wants to allow the sellers to print shipping labels with postage. In this case, the Partner can set up one Endicia account and allow all transactions to flow through that account.
- A Partner might have a software product that is sold to other companies. Suppose that this is a large web-based CRM Enterprise application. In this case, the Partner would not want to have the postage liability and instead would assign at least one Endicia account for each one of their customers.
- A Partner could be a CRM Enterprise customer (such as a Fortune 500 company) that has several funding mechanisms, and then they should have at least one Endicia account per funding mechanism.
- A Partner could be a third-party software provider for multi-carrier shipping systems seeking to integrate USPS Postage services into their application. In this case, the Partner could use either single or multiple accounts depending on their business needs.

To explore these various options, contact your Endicia Sales representative.

Refund Policy

Any USPS Postage that you print using the ELS Web Service are prepaid and hence “live”. You can refund any unused labels or misprints using the [Requesting a Refund API](#) or by accessing your account pages at www.endicia.com.

For information about the USPS Refund Policy, see <http://www.endicia.com/refund-policy>. Partners can either refer this page to their customers or embed the policy details within their application.

Partners should build safeguards within their application to ensure that it does not allow unintentional postage to be printed accidentally. For example:

- Allowing the user to click a button multiple times before a transaction is completed will result in the unexpected purchase of multiple identical labels. Be sure to disable the button until each transaction is completed.
- Be certain that the label is successfully printed before deleting the image file or the Base64 data.

All postage printed using the Endicia Web Services can be submitted for refunds electronically using the [Requesting a Refund API](#) or by logging in to the Endicia account pages at www.endicia.com. All electronic refunds must be requested within 30 days of printing the postage. The USPS continually monitors the USPS Package Tracking System (PTS), and if the label does not appear in the mailstream within 14 days, then the amount of postage is refunded to the postage account.

4. THE ENDICIA LABEL SERVER WEB SERVICE

Web Methods

The following table lists all the web methods of the Endicia Label Server Web Service.

Web Method Name	Description
REQUIRED FUNCTIONS: <i>These methods are required for all accounts</i>	
GetPostageLabel or GetPostageLabelXML	Request a shipping label.
* BuyPostage or BuyPostageXML	Add postage to an account.
ChangePassPhrase or ChangePassPhraseXML	Change Pass Phrase for an account.
OPTIONAL FUNCTIONS: <i>The remaining web methods are optional and can be used to enhance your integration.</i>	
Rate Shopping:	
CalculatePostageRate or CalculatePostageRateXML	Calculate the postage and fees for a package.
CalculatePostageRates or CalculatePostageRatesXML	Calculate "all" domestic or international postage rates.
Shipping:	
* GetSCANRequest or GetSCANRequestXML	Using the SCAN Form.
PackagePickup API's	Package Pickup Availability, Pickup, Change, and Cancel.
Transactions:	
* StatusRequest or StatusRequestXML	Request status of a package.
* GetTransactionsListing or GetTransactionsListingXML	Request a list of transactions.
* RefundRequest or RefundRequestXML	Request a refund.
Account Creation/Management:	
UserSignUp or UserSignUpXML	Sign up for an account.

Web Method Name	Description
ChallengeQuestionRequest or ChallengeQuestionRequestXML ResetSuspendedAccountRequest or ResetSuspendedAccountRequestXML	Reset the status of an account that has been suspended due to multiple failed attempts to enter the correct Pass Phrase.
GetAccountStatus or GetAccountStatusXML	Request the status of an account.
* UpdatePaymentInfoRequest or UpdatePaymentInfoRequestXML	Update or add the payment method for an existing Endicia Account.
* CloseAccountRequest or CloseAccountRequestXML	Request closure of an existing Endicia account.
The URL for CreateInsuranceClaim service is: https://elstestserver.endicia.com/InsuranceClaimService/InsuranceClaimService.svc (ELS Sandbox) https://labelserver.endicia.com/InsuranceClaimService/InsuranceClaimService.svc (Production)	
* CreateInsuranceClaim or CreateInsuranceClaimXML	File an Endicia Insurance Claim
The URL for Shared PES contact information submission service is: https://elstestserver.endicia.com/LabelService/sharedpesservice.asmx (ELS Sandbox) https://labelserver.endicia.com/LabelService/SharedPESService.asmx (Production)	
SubmitUserContactInfo or SubmitUserContactInfoXML	Upload Shared PES end-user contact information.
The URL for DYMO Stamps service is: https://elstestserver.endicia.com/LabelService/DYMOStampsservice.asmx (ELS Sandbox) http://labelserver.endicia.com/LabelService/DYMOStampsservice.asmx (Production)	
StampsRequest or StampsRequestXML	Print USPS-Approved Postage Stamps

* You can also access the BuyPostage, SCANRequest, StatusRequest, GetTransactionListing, RefundRequest, UpdatePaymentInfoRequest, CloseAccountRequest, and CreateInsuranceClaim functions through your account page at www.endicia.com. You can find details for each at the conclusion of the associated chapters.

Create and Activate a Production Account

When you have completed testing and development in the sandbox, your sales representative will provide you with a unique URL containing your RequesterID (Partner ID)

Steps

1. Create an account using either the UserSignUpRequest method or from the unique Endicia signup URL for your Partner ID.
You will need to provide a *temporary* Pass Phrase during this process, which is necessary to activate the account in the following step.
2. When you receive confirmation that a new account has been successfully created, run the ChangePassPhraseRequest method. This step can only be completed through the API—there is no means for doing this through the website. When you receive a successful response, the account will be activated and the account will be recognized when logging in to the website.

3. Purchase postage using the BuyPostageRequest method. After you have purchased postage, you can print labels.

Note that if an error message is returned in any of the preceding steps, the error must be corrected before you can move to the next step.

When you are setting up accounts for clients, you may prefer to integrate these three steps into a process where you populate the Temporary PassPhrase in the account creation process (so the client does not see it), and then you set a permanent PassPhrase to activate the account after you get a successful response from the UserSignUpRequest. When that returns a successful response, you can prompt the client to purchase postage.

If the client is signing up through our website, the client will need to enter their own temporary Pass Phrase, and will need a means in your integration to be able to reset it to activate the account.

About Server Access

Testing Server (Sandbox)

<https://elstestserver.endicia.com/LabelService/EwsLabelService.asmx>

Production Servers

<https://labelserver.endicia.com/LabelService/EwsLabelService.asmx>

The Production servers can only be used with a live ELS account and a PassPhrase.

While printing test labels in the Production environment, you must set <Test> = “YES” in the [Requesting a Shipping Label API \(Required\)](#) so that you are not charged for live postage.

To access the WSDL file, append ?WSDL to the URL
(<https://elstestserver.endicia.com/LabelService/EwsLabelService.asmx?wsdl>).

For existing integrations that use www.endicia.com/ELS/ELSServices.cfc?wsdl,

The following Old Methods listed below will be discontinued in the first quarter of 2017:

Old Method	New Method
SCANRequest	SCANRequest
CarrierPickupRequest	PackagePickupRequest
CarrierPickupChange	PackagePickupChange
CarrierPickupCancel	PackagePickupCancel
MultiLocationCarrierPickup	<i>Discontinued</i>
StatusRequest	StatusRequest
TransactionsListingRequest	GetTransactionsListing
RefundRequest	RefundRequest
UserSignUpRequest	UserSignUpRequest

You *must* convert your old methods to the new versions in this document in order to continue using them in 2017.

5. REQUESTING A SHIPPING LABEL API (REQUIRED)

GetPostageLabel

To request a shipping label, use the GetPostageLabel or the GetPostageLabelXML web method of the Endicia Label Server Web Service.

LabelRequest XML Syntax

The following table describes the basic XML elements for the LabelRequest. For specialized requests:

- See the [Integrated Customs Form Options](#) section for elements and guidance for creating customs forms for international, military and US Territories, Possessions, and Freely Associated States destinations.
- See the [Consolidator Labels](#) section for special instructions for consolidator labels.
- See the [Return Label Options](#) section for special instructions for creating return labels.
- See the [Presorting Features](#) section for special instructions for Parcel Select.

Important Notes About All Elements

- Omitting any value causes the Endicia Label Server Web Service to use the default value for that element.
- *Italic* items are optional.
- The Endicia Label Server Web Service requires a valid destination address to process a shipping label. For more information on address validation, see [Additional Endicia API's](#).
- For a full list of status codes and messages, see [Error Codes](#).

Table 5-1: LabelRequest XML Elements

Element	Type	Size or Values	Description
LabelRequest	Root	-	The root node for the XML request.
<i>Test</i>	<i>Attribute</i>	<i>YES</i>	<i>Use sample postage for testing.</i>
		<i>NO</i>	<i>Use live postage. (Default)</i>
<i>LabelType</i>	<i>Attribute</i>	<i>Default</i>	<i>Create label based on mail class. (Default)</i>
		<i>CertifiedMail</i>	<i>Create Certified Mail label (USPS Label 3800-N required).</i>
		<i>DestinationConfirm</i>	<i>Create IMb label using Destination Confirm service. Create domestic label.</i>

Element	Type	Size or Values	Description
<i>LabelSize</i>	<i>Attribute</i>	4x6 3.5x5.25 4x4 4x5 4x4.5 DocTab 6x4 4x8 7x3 6x4 Dymo30384 EnvelopeSize10 Mailer7x5 4x6 7x4 8x3 Booklet EnvelopeSize10	For Default label type: 4" W x 6" H (Default) 3.5"W x 5.25" H 4" W x 4" H 4" W x 5" H 4" W x 4.5" H 4" W x 6.75" H, Eltron Doc-Tab label 6" W x 4" H 4"W x 8" H (Prints shipment information on the doctab portion of the label) For DestinationConfirm label type: 7" W x 3" H (Default) 6" W x 4" H DYMO #30384 2-part internet label (2.25" x 7.5") #10 Envelope (9.5" W x 4.125" H). 7" W x 5" H For CertifiedMail label type: 4" W x 6" H (Default) 7" W x 4" H 8" W x 3" H 9" W x 6 "H envelope #10 Envelope
<i>ImageFormat</i>	<i>Attribute</i>	EPL2 ZPLII GIF GIFMONOCHROME JPEG JPEGMONOCHROME PNG PNGMONOCHROME BMPMONOCHROME PDF PDFVector PDFVectorWithFonts	EPL2 programming language ZPL II programming language GIF (24-bit color) GIF (monochrome) JPEG (24-bit color) JPEG (monochrome) PNG (Default) PNG (monochrome) BMP (monochrome) PDF (from GIF) PDF (from vector graphics) PDF (from vector graphics with fonts) For more information, see Note 1.

Element	Type	Size or Values	Description
<i>ImageResolution</i>	<i>Attribute</i>	203 300 600	203 dpi 300 dpi 600 dpi <i>Image resolution defaults to 300 dpi for domestic labels as well as labels created using LabelType International.</i> <i>Image resolution defaults to 203 for labels with ImageFormat EPL2 or ZPLII.</i>
<i>ImageRotation</i>	<i>Attribute</i>	None <i>Rotate90</i> <i>Rotate180</i> <i>Rotate270</i>	No rotation (Default). <i>Rotate label image 90 degrees.</i> <i>Rotate label image 180 degrees.</i> <i>Rotate label image 270 degrees.</i> <i>For labels in EPL2 and ZPLII format, selecting Rotate180 prints from top of image buffer; selecting None prints from bottom of image buffer.</i> <i>Rotate90 and Rotate270 are not available for labels in EPL2 and ZPLII format.</i>
<i>LabelTemplate</i>	<i>Attribute</i>	50	<i>Custom template or layout that overrides the generic label layout.</i> <i>Currently in Beta.</i>
RequesterID	String	4	Requester ID (also called Partner ID) uniquely identifies the partner making the request. Endicia assigns this ID.
AccountID and PassPhrase or Token	String	7 64 150	Account ID for the Endicia Postage Account Pass Phrase for the Endicia postage account. <i>Security Token. Use only if your account is set up to use the Token. If using the Token, DO NOT supply the AccountID and PassPhrase elements.</i>

Element	Type	Size or Values	Description
MailClass	String	PriorityExpress First LibraryMail MediaMail Priority ParcelSelect RetailGround	Priority Mail Express First-Class Package Service and First-Class Mail Parcel Library Mail Media Mail Priority Mail Parcel Select is available for most users. See Presorting Features for detailed instructions. <SortType> and <EntryFacility> elements are required for Parcel Select. Retail Ground is available only for use by USPS Authorized Shippers. International and other specialized MailClass options are defined in Integrated Customs Form Options and Consolidator Services .
DateAdvance	Numeric	0-7 (default range)	<i>The number of calendar days to advance date on the indicium.</i> <i>When used, this element advances the date on the indicium by the number of calendar days selected from the range of values.</i> <i>Default range: (0-7) days.</i>
WeightOz	Numeric	4.1	Weight of the package, in ounces. Must be greater than zero and cannot exceed 1120 ounces (70 pounds).

Element	Type	Size or Values	Description
<i>Machinable</i>	<i>String</i>	<i>TRUE</i> <i>FALSE</i>	<i>Mailpiece is machinable. (Default)</i> <i>Mailpiece is non-machinable.</i> <i>If a Parcel Select Ground mailpiece marked as machinable is over 35 lbs. in weight, it will automatically be charged the non-machinable price.</i>
<i>POZipCode</i>	<i>String</i>	<i>5</i>	<i>ZIP Code of Post Office or collection box where item is mailed. May be different than FromPostalCode.</i> <i>Used for determining the zone and calculating the postage price.</i> <i>Required when EntryFacility is not set to Other. The value of this element must contain the ZIP Code of the postal facility specified in EntryFacility.</i>
<i>IncludePostage</i>	<i>String</i>	<i>TRUE</i> <i>FALSE</i>	<i>Print postage on the label. (Default)</i> <i>Do not print postage on the label.</i>
<i>ShowReturnAddress</i>	<i>String</i>	<i>TRUE</i> <i>FALSE</i>	<i>Print sender's address on the label. (Default)</i> <i>Do not print sender's address on the label.</i> <i>Defaults to TRUE for integrated labels.</i> <i>For circumstances where ShowReturnAddress must be TRUE, see http://pe.usps.com/text/dmm300/602.htm#1078971.</i>
<i>Stealth</i>	<i>String</i>	<i>TRUE</i> <i>FALSE</i>	<i>Turn on the use of Stealth Postage or hidden postage price. (Default)</i> <i>Turn off Stealth Postage.</i> <i>For more information, see Note 3.</i>
<i>ValidateAddress</i>	<i>String</i>	<i>TRUE</i> <i>FALSE</i>	<i>Validate all addresses. (Default)</i> <i>Bypass address validation (requires Partner to do address validation).</i>

Element	Type	Size or Values	Description
<i>DeliveryTimeDays</i>	String	TRUE FALSE	Delivery time in days for Priority and Priority Mail Express Include delivery days in the response Do not include delivery days in the response Default is FALSE.
<i>EstimatedDeliveryDate</i>	String	TRUE FALSE	Include Estimated delivery date in the response Do not include Estimated delivery date in the response Default is FALSE Note: Applies only to Priority and Priority Mail Express. This element is dependent on <i>DeliveryTimeDays</i> . <i>EstimatedDeliveryDate</i> is populated in the response when both <i>EstimatedDeliveryDate</i> and <i>DeliveryTimeDays</i> are TRUE
The following six elements are for Priority Mail Express only.			
<i>SignatureWaiver</i>	String	TRUE FALSE	Request waiver of signature for receipt of mailpiece. (Default) Request signature for receipt of mailpiece.
<i>NoWeekendDelivery</i>	String	TRUE FALSE	Request that mailpiece should NOT be delivered on a Saturday. Request that mailpiece can be delivered on a Saturday (Default)
<i>ServiceLevel</i>	String	NextDay2ndDayPOToAddressee	Next Day/Second Day Post Office to Addressee Service.
<i>SundayHolidayDelivery</i>	String	FALSE SUNDAY HOLIDAY	Do not deliver on Sunday or holiday. (Default) Request Sunday Delivery Service. Request Holiday Delivery Service. For more information, see Note 4.

Element	Type	Size or Values	Description
ShipDate	Date	MM/DD/YYYY	Date mailpiece is shipped. Sunday or Holiday Delivery Service. Ignored for other mail classes.
ShipTime	Time	HH:MM AM or HH:MM PM	Time mailpiece is shipped. Sunday or Holiday Delivery Service. Ignored for other mail classes. Note: ShipTime should be specified based on a 12 hour clock
Services	Node		Special Services requested for the package. See USPS and Endicia Additional Services for details.
The following nine elements are user-defined.			
Description	String	50	Description of the item shipped. Shown in Endicia.com reports.
CostCenter	Numeric	8	Cost-center code for accounting purposes. Note: This element serves the same purpose as the following CostCenterAlphaNumeric element. Use this element if the cost center values are numeric. Do not use both these elements together.
CostCenterAlphaNumeric	String	50	Cost-center code for accounting purposes. Note: This element serves the same purpose as the preceding CostCenter element. Use this element if the cost center values are alphanumeric. Do not use both these elements together.
ReferenceID	String	50	A reference value for your logs.
ReferenceID2	String	50	A reference value for your logs.
ReferenceID3	String	50	A reference value for your logs.
ReferenceID4	String	50	A reference value for your logs.
PartnerCustomerID	String	120	A unique identifier for the Partner's end-user printing the label. This element is only stored in our database for Shared PES accounts.
PartnerTransactionID	String	25	A unique identifier for the Partner's end-user's transaction. Not stored in our database.

Element	Type	Size or Values	Description
<i>BpodClientDunsNumber</i>	Numeric	9	<p>Mailer ID of the Partner assigned by USPS.</p> <p>Allows the Partner to receive Electronic Return Receipt information from USPS in an extract file uniquely generated for them, provided they have established themselves with USPS as a Bulk Proof of Delivery Client.</p>
<i>NoDate</i>	String	<p>TRUE</p> <p>FALSE</p>	<p>Postmark date to be printed on the label (Default).</p> <p>Postmark date to be suppressed on the label.</p> <p>NoDate must be enabled for your account. An error will be returned otherwise.</p>
For details and limitations on using Rubber Stamps, see Note 5.			
<i>RubberStamp1</i>	String	50	User-supplied text to print on the label.
<i>RubberStamp2</i>	String	50	User-supplied text to print on the label.
<i>RubberStamp3</i>	String	50	User-supplied text to print on the label.
<i>ResponseOptions</i>	Node		Optional XML elements to include in the LabelRequestResponse.
<i>PostagePrice</i>	Attribute	<p>TRUE</p> <p>FALSE</p>	TRUE means that the response contains the PostagePrice node.
<p>The "From..." elements, excluding FromPhone and FromEmail, make up the Sender's information. See Printing for limitations.</p>			
<i>FromName</i>	String	47	<p>Sender's name</p> <p>Either FromName or FromCompany must contain a value.</p> <p>For customs forms, this element must contain at least two words.</p>
<i>FromCompany</i>	String	47	<p>Sender's company name</p> <p>Either FromName or FromCompany must contain a value.</p>
<i>ReturnAddress1</i>	String	47	First delivery address line of sender
<i>ReturnAddress2</i>	String	47	Second delivery address line of sender

Element	Type	Size or Values	Description
<i>ReturnAddress3</i>	String	47	Third delivery address line of sender. Do not use when label type is Domestic or International and a label subtype value is supplied.
<i>ReturnAddress4</i>	String	47	Fourth delivery address line of sender. Do not use when label type is Domestic or International and a label subtype value is supplied.
<i>FromCity</i>	String	50	Sender's city Allowed characters: A-Z, a-z, hyphen, period, space
<i>FromState</i>	String	25	Sender's state or province. If ValidateAddress is FALSE, this element must contain a valid two-character state code.
<i>FromCountryCode</i>	String	2	LIMITED USE. For international returns from countries other than the US. Currently supported for France (FR) only.
<i>FromPostalCode</i>	String	10	Sender's postal code. The format is either ZIP5 only or ZIP+4 for US addresses.
<i>FromZIP4</i>	String	4	+4 add-on for US addresses. Ignored if FromPostalCode contains the ZIP4 value.
<i>FromCountry</i>	String	50	Sender's country. This value should be left blank for USA addresses.
<i>FromPhone</i>	String	10	Phone number of sender (required for Priority Mail Express and international mail) 10 digits required (including area code) with no punctuation. Use format: 2125551234
<i>FromEMail</i>	String	64	Email address of sender.
The "To..." elements, excluding ToPhone and ToEMail, make up the Addressee information. See Printing for limitations.			
<i>ToName</i>	String	47	Recipient's name For Priority Mail Express and international mail: Either ToName or ToCompany must contain a value.

Element	Type	Size or Values	Description
ToCompany	String	47	<p>Recipient's company name</p> <p>For Priority Mail Express and international mail: Either ToName or ToCompany must contain a value.</p>
ToAddress1	String	47	<p>First delivery address line of recipient</p> <p>A value is optional only when ToCompany contains a value.</p> <p>Priority Mail Express labels are limited to four lines in the destination address for all label sizes.</p> <p>4 × 5 and 4 × 4.5 labels are limited to five lines in the destination address.</p>
ToAddress2	String	47	Second delivery address line of recipient
ToAddress3	String	47	<p>Third delivery address line of recipient.</p> <p>Do not use with label type of Domestic.</p>
ToAddress4	String	47	<p>Fourth delivery address line of recipient.</p> <p>Do not use with label type Domestic.</p>
ToCity	String	50	<p>Recipient's city</p> <p>For domestic mail, allowed characters are: A-Z a-z hyphen period space</p>
ToState	String	2 or 25	<p>Recipient's state or province.</p> <p>If ValidateAddress is FALSE domestic mail, this element must contain a valid 2-character state code.</p> <p>Required for domestic mail, optional for international mail.</p>
ToPostalCode	String	5 15	<p>Recipient's postal code.</p> <p>For domestic mail, the format is ZIP5 (required).</p> <p>For international mail (optional).</p>

Element	Type	Size or Values	Description
<i>ToZIP4</i>	String	4	+4 add-on for US addresses.
<i>ToDeliveryPoint</i>	String	2	+2 Delivery Point for US addresses.
<i>ToCountryCode</i>	String	2	Two-character country code of the recipient's country. For a table of valid country names, see Country Code Table . Required when label type is International and a label subtype value is supplied.
<i>ToPhone</i>	String	10 30	Recipient's phone number. For domestic mail: 10 digits including area code with no punctuation. For example: 2125551234. If supplied value is not in the correct format, it will be ignored. For international mail, up to 30 digits with no punctuation.
<i>ToEmail</i>	String	64	Email address of recipient.
<i>EmailMiscNotes</i>	String	5000	When ToEmail contains a value, and the function is enabled for your account, Label Server will send a notification to the recipient with the tracking number.

Notes

1. **ImageFormats.** Note the following:

- The monochrome image format values can be used to specifically request monochrome labels that will deliver up to 85% reduction in file size for image (BMP, JPEG, GIF and PNG) file formats.
- EPL2 and ZPLII are supported for:
 - Default label type for domestic mail classes.
 - Domestic label type when used with integrated form type 2976.
 - International label type when used with integrated form type 2976A (4x6 label type) for PMI or PMEI.
 - International label type when used with First-Class Mail International.
 - DestinationConfirm services for First-Class Flats, Letters, and Cards.
- The label image returned in the response for EPL2 and ZPLII labels contain binary data, which require special handling. For more information, see [Printing Using EPL2 and ZPLII](#).
- PDFVector and PDFVectorWithFonts use iTextSharp Library to generate the label rather than producing the PDF image from a GIF, which reduces the overall file size returned.

For more information, see the [LabelType, LabelSize, and MailpieceShape by MailClass](#) table.

2. **Mailpiece Dimensions.** Required for calculating Commercial Plus Cubic pricing and for Priority Mail mailpieces going to Zones 5-9 that are over 1 cubic foot. All values must be in inches. Length, Width, and Height must contain only a non-zero positive value. When PackageTypeIndicator is Softpack, set Height to 1. For tips on accurately calculating balloon and dimensional weights, see <http://pe.usps.com/text/dmm300/123.htm#1219457>.
3. **Stealth Postage™ Labels.** The Stealth element permits you to effectively "hide" the postage on your postage label. The following label on the left is a Stealth Postage label, which does not show the postage price. The label on the right shows the postage price.



Stealth Postage cannot be used with COD, USPS Insurance, Registered Mail, Automation rate, LabelSize of EnvelopeSize10 and card shape mailpieces.

4. **Priority Mail Express Sunday and Holiday Service.** For an additional fee, your Priority Mail Express mailpiece will be delivered on Sundays and Federal holidays. Priority Mail Express Sunday and Holiday delivery service is not available to all destinations. When shipping a mailpiece with the MailClass of PriorityMailExpress and <SundayHolidayDelivery> set to "Sunday" or "Holiday", the Endicia Label Server performs the following steps:
 1. Verifies if the next day or second day after the ShipDate is on a Sunday or a Holiday. If it is not, the Endicia Label Server returns error code 11111.
 2. Retrieves the Priority Mail Express Service Commitments from the USPS servers using the origin and destination ZIP Codes and ShipDate.
 - If no Service Commitments are received for Next Day 12 PM, Next Day 3PM, or 2-Day delivery service, the Endicia Label Server returns error code 11112.
 - If Service Commitments are received for two delivery days only, then the Endicia Label Server returns error code 11113.

- In case of an error communicating with the USPS servers, the Endicia Label Server can return either error code 11102, ExpressMailAPIError, or error code 11110.
3. Verifies the day when the Service Commitment occurs. If it does not occur on a Sunday or a Holiday, the Endicia Label Server returns error code 11113.
 4. Cycles through all locations for the Service Commitments to determine if at least one location accepts Priority Mail Express shipments past the supplied ShipTime. If all cut-off times have expired, the Endicia Label Server returns error code 11114. ShipTime is optional; if ShipTime is not supplied, it defaults to 12:01 AM, essentially accepting any location in this step.

For a label or price request, the Endicia Label Server returns the appropriate response with the \$12.50 Sunday-Holiday Delivery premium included in the postage. For a label request, if the destination ZIP Code does not deliver Priority Mail Express on Sundays or holidays, the Endicia Label Server returns error code 11115.

5. **Rubber Stamps.** A label can contain one or more user-supplied text labels that are called Rubber Stamps. The Endicia Label Server Web Service supports up to three Rubber Stamp fields within a label. Although each Rubber Stamp field can have as many as 50 characters, the actual number of characters that can be printed on the label depends on the content of the Rubber Stamp text. This is true for all labels which are not in EPL2 format because all text is drawn using proportional fonts. Labels in EPL2 format, however, use monospaced fonts. Therefore, the number of characters in the Rubber Stamp fields will be much less than the maximum allowed. For example, a 4×6 default label in EPL2 format can accommodate 26 or fewer characters in each Rubber Stamp field. *Note that International labels will not print Rubber Stamp elements.*

XML Request Code Samples

The following listing shows an example of the LabelRequest XML.

Listing 5-1 LabelRequest XML

```
<?xml version="1.0" encoding="utf-8"?>
<LabelRequest Test="string" LabelType="string" LabelSize="string"
ImageFormat="string">
  <RequesterID>string</RequesterID>
  <AccountID>string</AccountID>
  <PassPhrase>stringPass Phrase</PassPhrase>
  <Token>string</Token>
  <MailClass>string</MailClass>
  <DateAdvance>int</DateAdvance>
  <WeightOz>double</WeightOz>
  <MailpieceShape>string</MailpieceShape>
  <Stealth>string</Stealth>
  <Services InsuredMail="string" SignatureConfirmation="string" />
  <Value>double</Value>
  <PartnerCustomerID>string</PartnerCustomerID>
  <PartnerTransactionID>string</PartnerTransactionID>
  <ToName>string</ToName>
  <ToCompany>string</ToCompany>
  <ToAddress1>string</ToAddress1>
  <ToCity>string</ToCity>
  <ToState>string</ToState>
  <ToPostalCode>string</ToPostalCode>
```

```

<ToZIP4>string</ToZIP4>
<ToDeliveryPoint>string</ToDeliveryPoint>
<ToPhone>string</ToPhone>
<FromName>string</FromName>
<ReturnAddress1>string</ReturnAddress1>
<FromCity>string</FromCity>
<FromState>string</FromState>
<FromPostalCode>string</FromPostalCode>
<FromZIP4>string</FromZIP4>
<FromPhone>string</FromPhone>
<ResponseOptions PostagePrice="string"/>
</LabelRequest>

```

LabelRequestResponse XML Syntax

The following table describes the XML tags for LabelRequestResponse.

Table 5-2: LabelRequestResponse XML Elements

Element	Type	Size or Values	Description
LabelRequestResponse	Root	-	The root node for the XML response.
Status	Numeric	0 Error Code	Success Failed. See Error Codes
ErrorMessage	String	150	Error Message
Base64LabelImage	Base64 string		Image of the label. If the Label node is present, then this element will not exist. See Note 1.
Label	Node		Contains one or more <Image> elements for each part of the label.
Image	Base64 string		First part of the label image.
PartNumber	Attribute, Numeric	1	
Image	Base64 string		Second part of the label image.
PartNumber	Attribute, Numeric	2	
:	:	:	:
Image	Base64 string		nth (last) part of the label image.
PartNumber	Attribute, Numeric	N	
CustomsForm	Node		Contains one or more <Image> elements for each part of the customs form. Note: The CustomsForm node is retained for backward compatibility only.

Element	Type	Size or Values	Description
Image	Base64 string		First part of the customs form image.
PartNumber	Attribute, Numeric	1	
Image	Base64 string		Second part of the customs form image.
PartNumber	Attribute, Numeric	2	
:	:	:	:
Image	Base64 string		nth (last) part of the customs form image.
PartNumber	Attribute, Numeric	N	
TrackingNumber	String	Variable Length	<p>For domestic mail, this value is also copied to the PIC element.</p> <p>For international mail and domestic mail using customs forms, this value is also copied to the CustomsNumber element.</p> <p>Note: With the migration from Planet Code technology to IMb technology for DestinationConfirm services, the TrackingNumber returned can be up to 31 characters long.</p>
PIC	String		Same as TrackingNumber. For domestic mail pieces only.
CustomsNumber	String	13	Customs form number.
FinalPostage	Currency	6.3	Total postage and fees for transaction.
TransactionID	Long		Unique ID for transaction - corresponds to the piece count for the account used.
TransactionDateTime	Date and Time	YYYYMMDDHHMMSS	Date and time the transaction was created. Expressed in UTC.
CostCenter	Numeric	8	Cost-center code for accounting purposes.
CostCenterAlphaNumeric	String	50	<p>Cost-center code for accounting purposes.</p> <p>Note: This element serves the same purpose as the preceding CostCenter element. Use this element if the cost center values are alphanumeric. Do not use both these elements together.</p>
ReferenceID	String	50	A reference value for logs.

Element	Type	Size or Values	Description
PostmarkDate	Date	YYYYMMDD	Indicates the postmark date.
PostageBalance	Currency	6.3	Remaining postage balance after label is generated, in dollars and cents (mils).
PostagePrice	Node		Postage price for transaction.
TotalAmount	Attribute, Currency	6.3	Total amount of postage and fees. This value is also copied to the FinalPostage element.
Postage	Node		
TotalAmount	Attribute, Currency	6.3	Total amount of postage.
MailService	String	50	Mail Service.
Zone	String	0 (local zone), 1 through 9	Number of postal rate zones between the sender's and recipient's ZIP Codes. Applies only to domestic mail.
IntraNDC	String	true false	Zone is Intra-NDC. Zone is Inter-NDC. Applies only to domestic mail.
Pricing	String	Commercial CommercialBase CommercialPlus NSA Retail	Commercial pricing. Commercial Base pricing. Commercial Plus pricing. NSA pricing. Retail pricing.
Fees	Node		
TotalAmount	Attribute, Currency	6.3	Total amount of fees.
CertificateOfMailing	Currency	6.3	Certificate of Mailing fee. For future use.
CertifiedMail	Currency	6.3	Certified Mail fee.
CollectOnDelivery	Currency	6.3	Collect on Delivery (COD) fee. For future use.
DeliveryConfirmation	Currency	6.3	Delivery Confirmation fee.
ElectronicReturnReceipt	Currency	6.3	Electronic Return Receipt fee.
InsuredMail	Currency	6.3	Insured Mail fee.
RegisteredMail	Currency	6.3	Registered Mail fee. For future use.
RestrictedDelivery	Currency	6.3	Restricted Delivery fee.
ReturnReceipt	Currency	6.3	Return Receipt fee.
ReturnReceiptForMerchandise	Currency	6.3	Return Receipt for Merchandise fee. For future use.
SignatureConfirmation	Currency	6.3	Signature Confirmation fee.
SpecialHandling	Currency	6.3	Special Handling fee. For future use.
AdultSignature	Currency	6.3	Adult Signature fee.

Element			Type	Size or Values	Description
		AdultSignatureRestrictedDelivery	Currency	6.3	Adult Signature Restricted Delivery fee.
		LiveAnimalSurcharge	Currency	6.3	Live Animal Surcharge fee.
		DeliveryTimeDays	Numeric	1	Delivery time in days
		EstimatedDeliveryDate	Date	YYYYMMDD	Estimated delivery date Note: Applies only to Priority and Priority Mail Express.
		AMDelivery	Numeric	6.3	AM Delivery fee for Priority Mail Express packages.
		GroupedExtraServices	Node	Container for Grouped Services	Container for Grouped Extra Services
		Services	Attribute	SignatureConfirmation; RestrictedDelivery CertifiedMail;RestrictedDelivery CertifiedMail;AdultSignature Required CertifiedMail;AdultSignature e;RestrictedDelivery	Signature Confirmation Restricted Delivery Certified Mail Restricted Delivery Certified Mail Adult Signature Required Certified Mail Adult Signature Restricted Delivery
		FeeAmount	Currency	6.3	Amount for Grouped Service
The following elements are returned only if Services > HoldForPickup was selected in the Label Request:					
		HfpFacilityID	String	50	Destination Facility ID.
		HfpFacilityName	String	50	Destination Facility Name.
		HfpFacilityAddress1	String	50	Destination Facility Address.
		HfpFacilityCity	String	50	Destination Facility City.
		HfpFacilityState	String	50	Destination Facility State.
		HfpFacilityPostalCode	String	25	Destination Facility 5-Digit ZIP Code.
		HfpFacilityZIP4	String	5	Destination Facility +4.
The following elements are returned only if MailClass > PriorityMailExpress was selected in the Label Request					
		PriorityMailExpressCommitments	Node		
		CommitmentName	String	50	Delivery commitment
		CommitmentTime	String	20	Delivery Time committed
		Location	Node		
		CutOff	String	20	Cutoff time to drop the package at the specified location
		Facility	String	50	Name of the facility
		Street	String	50	Facility address
		City	String	50	Facility city
		State	String	50	Facility state
		Zip	String	10	Facility ZIP Code

Notes

1. **Base64 Image Locations.** Depending on your Label Request options, the Base64 images can be contained in different elements.

LabelType or MailClass	Base64LabelImage	Label -> Image Node	CustomsForm -> Image Node
Default: any domestic MailClass	✓		
Domestic: any domestic MailClass		✓	
International: any international MailClass		✓	
Default to military or territories/possessions w/<CustomsFormType>	✓		✓
International w/<CustomsFormType>			✓

For more information, see [Integrated Customs Form Options](#).

XML Response Code Samples

The following listing shows an example of the LabelRequestResponse XML.

Listing 5-2 LabelRequestResponse XML

```
<?xml version="1.0" encoding="utf-8"?>
<LabelRequestResponse>
  <Status>int</Status>
  <ErrorMessage>string</ErrorMessage>
  <Base64LabelImage>
    .
    . (label image in base64 string format)
    .
  </Base64LabelImage>
  <PIC>string</PIC>
  <TrackingNumber>string</TrackingNumber>
  <FinalPostage>double</FinalPostage>
  <TransactionID>string</TransactionID>
  <TransactionDateTime>string</TransactionDateTime>
  <PostmarkDate>string</PostmarkDate>
  <PostageBalance>double</PostageBalance>
  <PostagePrice TotalAmount="double">
    <Postage TotalAmount="double">
      <MailService>string</MailService>
      <Zone>string</Zone>
      <IntraNDC>string</IntraNDC>
      <Pricing>string</Pricing>
    </Postage>
  </Postage>
  <Fees TotalAmount="double">
    <CertificateOfMailing>double</CertificateOfMailing>
    <CertifiedMail>double</CertifiedMail>
    <CollectOnDelivery>double</CollectOnDelivery>
    <DeliveryConfirmation>double</DeliveryConfirmation>
    <ElectronicReturnReceipt>double</ElectronicReturnReceipt>
    <InsuredMail>double</InsuredMail>
    <RegisteredMail>double</RegisteredMail>
    <RestrictedDelivery>double</RestrictedDelivery>
    <ReturnReceipt>double</ReturnReceipt>
  </Fees>
</LabelRequestResponse>
```

```
<ReturnReceiptForMerchandise>double</ReturnReceiptForMerchandise>
<SignatureConfirmation>double</SignatureConfirmation>
<SpecialHandling>double</SpecialHandling>
<MerchandiseReturn>double</MerchandiseReturn>
<OpenAndDistribute>double</OpenAndDistribute>
<AdultSignature>double</AdultSignature>

AdultSignatureRestrictedDelivery>double</AdultSignatureRestrictedDelivery>
  <LiveAnimalSurcharge>double</LiveAnimalSurcharge>
  <FragileHandling>double</FragileHandling>
  <AMDelivery>double</AMDelivery>
  <GroupedExtraServices Services=string>
    <FeeAmount>double</FeeAmount>
  </GroupedExtraServices>
</Fees>
</PostagePrice>
</LabelRequestResponse>
```

6. INTEGRATED CUSTOMS FORM OPTIONS

The Endicia Label Server offers full support for USPS-approved integrated customs forms. Customs forms are printed in a convenient 6×4 label format to streamline your workflow. Support for customs forms in Endicia Label Server includes the following capabilities:

- Elements to populate fields on the USPS customs forms, including:
 - Restriction Type
 - Senders Customs Reference
 - License Number
 - Certificate Number
 - Invoice Number
 - Insured Number
 - HS Tariff Number (six digits, without hyphen)
- ISO country codes for country of origin and for the ToCountryCode element. See full list of country codes in Appendix D: Country Code Table.
- Continuation pages to support more than five customs items.

The following table shows additional elements or values that are used in the [Requesting a Shipping Label API \(Required\)](#) LabelRequest API for producing customs forms:

Table 6-1: Customs Form Options of Requesting a Shipping Label API

Element	Type	Size or Values	Description
LabelType	Attribute	Domestic International	Requires use of the LabelSubtype element. Create international label. When the value of this element is set to Domestic or International, the label will be returned as separate images within the Label node of the LabelRequestResponse XML.
LabelSubtype	Attribute	Integrated	Create an integrated customs form.
LabelSize	Attribute	Null or any other value 4x6	8.5" × 5.33" (Default) 6" W × 4" H

Element	Type	Size or Values	Description
MailClass	String	PriorityExpress First LibraryMail MediaMail ParcelSelect RetailGround Priority PriorityMailExpressInternational FirstClassMailInternational FirstClassPackageInternationalService PriorityMailInternational GXG	<u>Domestic:</u> Priority Mail Express First-Class Package Service and First-Class Mail Library Mail Media Mail Parcel Select is available for most users. See Presorting Features for detailed instructions. <SortType> and <EntryFacility> elements are required for Parcel Select. Retail Ground is available only for use by USPS Authorized Shippers Priority Mail <u>International:</u> Priority Mail Express International First-Class Mail International First-Class Package International Service Priority Mail International Global Express Guaranteed (<i>For future use</i>)
CustomsCertify	String	TRUE FALSE	TRUE means the customs information is certified to be correct and the CustomsSigner name is recommended.
CustomsSigner	String	47	Name of person certifying that the customs information is correct. This name prints on the customs form in place of a signature <u>if</u> CustomsCertify is TRUE. Required if CustomsCertify is TRUE.

Element	Type	Size or Values	Description
CustomsSendersCopy	String	TRUE FALSE	Default Sender's copy is an additional copy of the integrated customs form. It is NOT to be affixed on the package. This extra copy will print if value is set to TRUE. Note: the default value will be changed to FALSE starting in Jan 2017.
CustomsInfo	Node		Customs Declaration Required when using integrated labels.
ContentsType	String	Documents Gift Merchandise Other ReturnedGoods Sample HumanitarianDonation DangerousGoods	Category of the customs items. Value of ReturnedGoods is not available for labels using Form 2976.
ContentsExplanation	String	25	Explanation of the customs items. Required if ContentsType is Other.
RestrictionType	String	None Other Quarantine SanitaryPhytosanitaryInspection	Default
RestrictionComments	String	25	Explanation of restrictions if RestrictionType is not None. Deprecated: This value is no longer included on the March 2015 and later versions of USPS customs forms. This element will be removed in January 2017.
SendersCustomsReference	String	14	Sender's customs reference.
ImportersCustomsReference	String	40	Importer's customs reference.
LicenseNumber	String	16	License number.
CertificateNumber	String	12	Certificate number.
InvoiceNumber	String	15	Invoice number.
NonDeliveryOption	String	Abandon Return	Non-delivery instructions. Treat as abandoned. Return to sender. (Default)
InsuredNumber	String	13	For future use.

Element	Type	Size or Values	Description
EelPfc	String	35	Exemption or Exclusion Legend (EEL) or a Proof of Filing Citation (PFC). Required for shipments to an international destination or to an overseas U.S. Territory. Enter the Automated Export System (AES) or Internal Transaction Number (ITN) in this element, if required. See http://pe.usps.com/text/imm/imm5_010.htm for details.
CustomsItems	Node		Must contain at least 1 but no more than 999 CustomsItem nodes.
CustomsItem	Node	[1 .. 999]	
Description		50	Description of the customs item.
Quantity	Int	3	Quantity of the customs item. Must be greater than zero.
Weight	Double	4.2	Weight of the customs item. The total must be less than or equal to the value entered in the WeightOz element.
Value	Double	5.2	Value of the customs item. Must be greater than zero.
HSTariffNumber	Double	6	6-digit HS tariff number.
CountryOfOrigin	String	2	Two-character country code of the country where the customs items originated. For a list of valid country codes, see Country Code Table .

Following is an example of an international Label Request using the CustomsInfo node.

Listing 6-1: International Label Request Using the CustomsInfo Node

```
<LabelRequest Test="string" LabelType="string" LabelSubtype="string"
ImageFormat="string" ImageResolution="string">
  <RequesterID>string</RequesterID>
  <AccountID>string</AccountID>
  <PassPhrase>string</PassPhrase>
  <Token>string</Token>
  <MailClass>string</MailClass>
  <WeightOz>double</WeightOz>
  <MailpieceShape>string</MailpieceShape>
  <Services CertifiedMail="string" COD="string" DeliveryConfirmation="string"
ElectronicReturnReceipt="string" InsuredMail="string" RegisteredMail="string"
RestrictedDelivery="string" ReturnReceipt="string"
SignatureConfirmation="string"/>
  <PartnerCustomerID>string</PartnerCustomerID>
  <PartnerTransactionID>string</PartnerTransactionID>
  <CustomsCertify>string</CustomsCertify>
  <CustomsSigner>string</CustomsSigner>
  <CustomsSendersCopy>boolean</CustomsSendersCopy>
```

```

<CustomsInfo>
  <ContentsType>string</ContentsType>
  <ContentsExplanation>string</ContentsExplanation>
  <RestrictionType>string</RestrictionType>
  <RestrictionComments />
  <SendersCustomsReference>string</SendersCustomsReference>
  <ImportersCustomsReference>string</ImportersCustomsReference>
  <LicenseNumber>string</LicenseNumber>
  <CertificateNumber>string</CertificateNumber>
  <InvoiceNumber>string</InvoiceNumber>
  <NonDeliveryOption>string</NonDeliveryOption>
  <EelPfc>string</EelPfc>
  <CustomsItems>
    <CustomsItem>
      <Description>string</Description>
      <Quantity>int</Quantity>
      <Weight>double</Weight>
      <Value>double</Value>
      <CountryOfOrigin>string</CountryOfOrigin>
    </CustomsItem>
    <CustomsItem>
      <Description>string</Description>
      <Quantity>int</Quantity>
      <Weight>double</Weight>
      <Value>double</Value>
      <HSTariffNumber>string</HSTariffNumber>
      <CountryOfOrigin>string</CountryOfOrigin>
    </CustomsItem>
    <CustomsItem>
      <Description>string</Description>
      <Quantity>int</Quantity>
      <Weight>double</Weight>
      <Value>double</Value>
      <CountryOfOrigin>string</CountryOfOrigin>
    </CustomsItem>
  </CustomsItems>
</CustomsInfo>
<ResponseOptions PostagePrice="boolean" />
<FromName>string</FromName>
<FromCompany>string</FromCompany>
<ReturnAddress1>string</ReturnAddress1>
<FromCity>string</FromCity>
<FromState>string</FromState>
<FromPostalCode>string</FromPostalCode>
<FromPhone>string</FromPhone>
<ToCompany>string</ToCompany>
<ToAddress1>string</ToAddress1>
<ToAddress2>string</ToAddress2>
<ToCity>string</ToCity>
<ToState>string</ToState>
<ToPostalCode>string</ToPostalCode>
<ToCountryCode>string</ToCountryCode>
<ToPhone>string</ToPhone>
</LabelRequest>

```

To create a custom form, first choose the appropriate LabelType:

LabelType	Usage
International	For mailing to countries outside the United States
Domestic	For mailing to APO/FPO/DPO addresses or US Territories and Possessions and Freely Associated States (except Puerto Rico (PR) and US Virgin Islands (VI), which do not require a customs form. Set LabelType to "Default").

For all Domestic and International labels, set LabelSubtype="Integrated".

Customs Forms Based on Destination

The tables below show the settings to use based on the mail class, weight and contents type. When customs forms are used, continuation pages will print when there are more than five customs items.

To: APO/FPO/DPO addresses or US Territories, Possessions* and Freely Associated States:

MailClass	Documents < 16 oz.	Dutiable Contents or Documents >=16 oz.
Priority Mail Express	LabelType="Domestic" LabelSubtype="Integrated" CustomsInfo node required Single-part Form 2976-B	
First-Class Letter or Flat	LabelType="DestinationConfirm" LabelSubtype="Null" CustomsInfo node <i>not</i> required	N/A
First-Class Parcel and all other mail classes	LabelType="Default" LabelSubtype="Null" CustomsInfo node <i>not</i> required	LabelType="Domestic" LabelSubtype="Integrated" CustomsInfo node required Single-part Form 2976*

* Except to Puerto Rico (PR) and the US Virgin Islands (VI). Use LabelType Default. No customs form is required, and the <CustomsInfo> node is not required.

To: International Destination:

MailClass	Documents or Dutiable Contents with value <=\$400	Dutiable Contents with value >\$400
Priority Mail Express International	Form 2976-B ²	
Priority Mail International: <ul style="list-style-type: none">Flat Rate Envelope (all variations)	LabelType="International" LabelSubtype="Integrated" CustomsInfo node required Single-part Form 2976	Prohibited ¹
Priority Mail International: <ul style="list-style-type: none">Small Flat Rate BoxDVD Flat Rate BoxLarge Video Flat Rate box		
Priority Mail International: <ul style="list-style-type: none">Medium Flat Rate boxLarge Flat Rate boxParcels	LabelType="International" LabelSubtype="Integrated" CustomsInfo node required Form 2976-A²	

First-Class Mail International or First-Class Package International Service	LabelType="International" LabelSubtype="Integrated" CustomsInfo node required Single-part Form 2976	Prohibited ¹
M-Bags		Prohibited ¹

Notes:

¹ Items over \$400 must be mailed using Global Express Guaranteed service, Priority Mail Express International service, or Priority Mail International service (other than Flat Rate Envelopes or Small Flat Rate Priced Boxes)

² Locations using Single-Part Customs Forms: Canada, Australia

What Qualifies as Domestic Mail

When shipping to domestic locations (US Territories and Possessions and Freely Associated States), enter the two-character state code in the ToState element—these are not considered international, but may require a customs form.

US Territories and Possessions (Defined as Domestic)	Freely Associated States (Treated as Domestic)
American Samoa (AS) <ul style="list-style-type: none"> Manua Island Swain's Island Tutuila Island Guam (GU) Northern Mariana Islands, Commonwealth of the (MP) <ul style="list-style-type: none"> Rota Island Saipan Island Tinian Island Puerto Rico, Commonwealth of (PR) * U.S. Virgin Islands (VI) * <ul style="list-style-type: none"> St. Croix Island St. John Island St. Thomas Island Wake Atoll <ul style="list-style-type: none"> Wake Island 	Marshall Islands, Republic of the (MH) <ul style="list-style-type: none"> Ebeye Island Kwajalein Island Majuro Island Micronesia, Federated States of (FM) <ul style="list-style-type: none"> Chuuk (Truk) Island Kosrae Island Pohnpei Island Yap Island Palau, Republic of (PW) <ul style="list-style-type: none"> Koror Island
For details, see http://pe.usps.com/text/dmm300/608.htm#125564 2	For details, see http://pe.usps.com/text/dmm300/608.htm#125566 6

* No customs form required in most cases. See table at <http://pe.usps.com/text/dmm300/608.htm#1255687>.

Military Addresses

Endicia Label Server applies appropriate pricing to military addresses when the ToCity element includes the correct Military Post Office designation:

- APO—Army Post Office
- FPO—Fleet Post Office
- DPO—Diplomatic Post Office

Military State Codes are defined as:

- AA—Armed Forces Americas (ZIP Codes 34xxx)
- AE—Armed Forces Europe, Canada, Middle East, Africa (ZIP Codes 09xxx)
- AP—Armed Forces Pacific (ZIP Codes 96xxx)

The USPS requires that the full ZIP+4 be submitted in your Label Request for military addresses. Endicia Label Server and Dial-A-ZIP cannot always return the ZIP+4 as it does for non-military addresses, so items mailed to APO/FPO/DPO addresses may be returned as undeliverable unless the correct ZIP+4 is submitted. Use the <ToPostalCode> and the <ToZIP4> elements in all APO/FPO/DPO address requests.

7. CONSOLIDATOR SERVICES

Endicia Label Server supports the ability to print USPS workshare labels for consolidators that partner with Endicia. Consolidators include DHL, UPS Mail Innovations, RR Donnelley Logistics, Asendia, Newgistics, and a growing number of others.

For DHL Global Mail-specific documentation, please contact Endicia Label Server Technical Support at labelserver@endicia.com.

Preparation for Consolidator Use

- Contact your consolidator representative and request authorization of your Endicia account for their consolidator services.
- The Consolidator will then create the required credentials and send them to Endicia to be configured for your account.

Please note the following:

- The Sandbox (elstestserver.endicia.com) supports consolidator functions for testing without consolidator pre-approval.
- You cannot obtain tracking information for consolidator labels from the Label Server API or in your account at www.endicia.com.
- Refund Requests will not work for consolidator labels, as no postage is charged.
- A listing of branded services for international consolidators available for an account can be retrieved using the [Getting Account Status API](#).

Label Request Settings for Consolidator Labels

- Set the Test attribute set to “NO”.
- Set the LabelSize attribute to 4x6.
- Set <IncludePostage> to FALSE.
- Set <PrintConsolidatorLabel> to TRUE.
- <MailpieceDimensions> are required for all MailClass options *except* Bound Printed Matter.

Use the XML elements and values shown in the following table, with the standard [Label Request](#) to produce USPS workshare labels.

Table 7-1: Consolidator Services

Element	Type	Size or Values	Description
MailClass	String	<u>Consolidator labels (Domestic):</u>	
		BoundPrintedMatter	Bound Printed Matter
		ParcelSelect	Parcel Select Ground
		<u>Consolidator labels (International):</u>	
		PriorityMailExpressInternational	Priority Mail Express International
		FirstClassMailInternational	First-Class Mail International

Element	Type	Size or Values	Description
		FirstClassPackageInternationalService PriorityMailInternational IPA ISAL CONSINTL CONSINTL1 ... CONSINTL16 CommercialePacket	First-Class Package International Service Priority Mail International International Priority Airmail International Surface Air Lift Consolidator International Used with configurable branded consolidator services. Commercial E-Packet
<i>PrintConsolidatorLabel</i>	<i>String</i>	<i>TRUE</i> <i>FALSE</i>	<i>Print Consolidator "no-postage" Label</i> <i>Do not print Consolidator "no-postage" label (Default)</i>
<i>IncludePostage</i>	<i>String</i>	<i>TRUE</i> <i>FALSE</i>	<i>Print postage on the label. (Default)</i> <i>Do not print postage on the label</i>

8. RETURN LABEL OPTIONS

Endicia provides the following options for printing return labels for you to print postage labels:

- Prepaid postage label
- Pay-on-Use Returns postage label

Comparison of Options

Table 8-1: Comparison of Options for Printing Return Labels

Features	Prepaid Postage Label	Endicia Pay-on-Use Returns™
Available LabelType	<ul style="list-style-type: none">• Default• DestinationConfirm	<ul style="list-style-type: none">• Default• DestinationConfirm
Available Mail Classes	<ul style="list-style-type: none">• First-Class Package• Ground (Parcel Select)• Priority Mail	<ul style="list-style-type: none">• First-Class Package Return Service• Ground Return Service (Parcel Select Ground)• Priority Mail Return Service• Priority Mail Express Return Service (USPS NSA agreement required)
Available Services	<ul style="list-style-type: none">• USPS Tracking (DeliveryConfirmation)• Endicia Insurance	<ul style="list-style-type: none">• USPS Tracking (DeliveryConfirmation)• Endicia Insurance• USPS Insurance
Postage is paid	When label is printed	When USPS accepts or scans the mailpiece
Requires USPS approval	No	Yes (Average Rated Model) No (Reverse Rated Model)
Label Server element	<ReplyPostage> = TRUE	<PrintScanBasedPaymentLabel> = TRUE

Prepaid Postage Label

A prepaid label can be produced by adding the <ReplyPostage> element to your Label Request and setting it to TRUE. Postage is deducted from your account when the label is printed.

Table 8-2: Reply Label Element

Element	Type	Size or Values	Description
ReplyPostage	String	TRUE	Print reply postage on the label, which means the Sender's and Recipient's address will be swapped when printing.
		FALSE	Do not print reply postage. (Default) Can be used with label type Default or DestinationConfirm. Not available for Priority Mail Express, international mail, integrated labels, or when Return Receipt is requested.

Endicia Pay-on-Use Returns Postage Label

Endicia Pay-on-Use Returns (EPR) is a new returns model, where postage is not deducted from your Endicia postage account at the time the label is printed. Funds are only deducted if and when the label is scanned in the USPS mailstream. EPR allows you to create a convenient and positive returns experience for your customers, without risking unnecessary cost or additional labor in the event those labels are never actually used.

Enabling your Endicia Account for Pay-on-Use Returns Labels

In order to enable Endicia Pay-on-Use Returns (EPR), you can utilize the SetAccountFeatureOptIn method. For more information, refer to [SetAccountFeatureOptIn](#).

You can also speak with an Endicia Sales representative to receive an addendum to the existing Endicia Terms and Conditions, which includes information about transaction fees charged for scanned Pay-on-Use Returns labels and minimum postage balance requirements. After the addendum has been signed and returned to the Endicia Sales representative, Endicia representative will enable your regular postage account for Pay-on-Use Returns so that you can print Pay-on-Use return labels using the same account you use to print outbound labels.

Supported Mail Classes and Extra Services

The Endicia Pay-on-Use Returns (EPR) service is available for domestic shipments only. EPR supports the following mail classes and extra service combinations:

- First-Class Package Return Service
- Ground Return Service
- Priority Mail Return Service
- Priority Mail Express Return Service (USPS NSA agreement required)

Delivery Confirmation and Endicia Parcel Insurance are supported for all mail classes. USPS Insurance is supported for all mail classes.

Payment for Scanned Labels

Endicia Pay-on-Use Returns (EPR) labels will be billed upon receipt of scan data from the USPS. The appropriate postage due amount will be determined at the time of scan, not at the time of printing, and will be automatically deducted from your Endicia postage account. No special account or payment method is needed.

Refunds

Endicia Pay-on-Use Returns (EPR) labels cannot be refunded because the postage amount is charged only after the package enters the mailstream.

Set Up Endicia Pay-on-Use Returns

1. Set **<PrintScanBasedPaymentLabel>** to TRUE.
 - The Sender and Recipient addresses will be swapped to calculate the estimated postage amount and generate a Pay-on-Use Return label for printing.
 - If an account that has not been enabled for Pay-on-Use Returns sets **<PrintScanBasedPaymentLabel>** to TRUE in the request, an error is thrown indicating that the account has not been enabled for Pay-on-Use Returns.
2. Set **<POZipCode>** to blank.
 - **<POZipCode>** is the ZIP code of the Post Office where the item is mailed. Pay-on-Use return labels swap the Ship From and Ship To addresses, so to avoid confusion, it is recommended to leave this element blank.
3. Use the supported mail classes and extra service combinations.

The following figure shows a sample Endicia Pay-on-Use Returns shipping label.

P	NO POSTAGE NECESSARY IF MAILED IN THE UNITED STATES PC Postage Returns 071V00899926 endicia
PRIORITY MAIL® RETURN SERVICE	
Jane Doe 4100 Orme St PALO ALTO CA 94306-3106	C039 0005
SHIP Endicia TO: John Doe 365 Sherman Ave PALO ALTO CA 94306	
USPS TRACKING #  9401 9102 0083 0389 5499 24	

Table 8-3: Endicia Pay-on-Use Element

Element	Type	Size or Values	Description
<i>PrintScanBasedPaymentLabel</i>	<i>String</i>	<i>TRUE</i>	<i>Print Endicia Pay-On-Use Returns (EPR) or Scan-Based Payment return label. The Sender's and Recipient's address will be swapped when printing.</i>
		<i>FALSE</i>	<i>Do not print Endicia Pay-On-Use Returns (EPR) label. (Default)</i>

You can enable Endicia Pay on Use Returns using the `SetAccountOptInFeatureRequest`.

9. PRINTING

"To" and "From" Address Elements

Due to minimum font size requirements and available space on various label formats, not all To and From address elements are available for every Label Type. Count each of the following as an individual line:

ToName
ToCompany
ToAddress1
ToAddress2
ToAddress3
ToAddress4
ToCity, ToState, ToPostalCode, ToZIP4, ToDeliveryPoint (*Remember to account for space between elements*)
ToCountryCode (*Required for International; returns the full country name on the label*)

Key points:

- To ensure the best address validation results for *domestic* labels, use ToAddress1 element for the street and unit number (apartment, suite, etc.):

```
<ToAddress1>123 Main St Apt 110</ToAddress1>
```

You can also use ToAddress1 and ToAddress2:

```
<ToAddress1>123 Main St</ToAddress1>  
<ToAddress2>Apt 110</ToAddress2>
```

It is recommended that you *do not* use ToAddress3 or ToAddress4 for domestic addresses. Your address may not validate properly, and the USPS may not be able to deliver it.

- For *customs* forms, four lines are available above the ToCity, ToState, ToPostalCode line. You can use up to four of any combination of ToName, ToCompany, ToAddress1, ToAddress2 and ToAddress3 to populate the complete address.
- The default font size for the To address block is 10pt on customs forms. Label Server will reduce the font size to 8pt when the number of characters exceeds the space available according to the ImageFormat and LabelType.
- To further ensure that long address lines are not cut off, we recommend using mixed-case characters ("International Ave" vs. "INTERNATIONAL AVE") and standard abbreviations ("St" vs. "Street"), as well as accepted State abbreviations for provinces, where applicable ("AB" for Alberta, Canada).

See tables below to find *approximate* character limits based upon your image format.

PNG/JPG/GIF/PDF/Monochrome:

Letter case	Number of characters per line		
	2976	2976A	2976B
All Upper case	47	32	32
Mixed case	47	39	39
All Lower case	47	45	45

ZPLII:

Letter case	Number of characters per line		
	2976	2976A	2976B
All Upper case	47	39	39
Mixed case	47	43	43
All Lower case	47	47	47

EPL2:

Letter case	Number of characters per line		
	2976	2976A	2976B
All Upper case	47	37	37
Mixed case	47	37	37
All Lower case	47	37	37

Please thoroughly test the limitations with any new printers prior to beginning production to ensure that all lines and all characters print properly.

EPL2 and ZPLII Guidelines

For certain label layouts, the Endicia Label Server Web Service can generate label images in the Zebra native printer languages, EPL2 and ZPLII. The label image can contain both text and binary data. To ensure that the USPS can successfully scan the barcodes in the label, care must be taken to preserve the raw printer data when sending the label image to the Zebra printer.

Note: To ascertain that the 2-D data matrix barcode is scanned properly, the format for the 2-D data matrix barcode will be migrated from the data stream type to the image type in version version 6.3.

For available EPL2 and ZPLII formats, see the [LabelType, LabelSize, and MailpieceShape by MailClass](#) section.

Some guidelines to follow when printing EPL2 and ZPLII labels to Zebra printers include:

- Verify that your Zebra printer has the current data matrix firmware installed.
The Endicia Label Server uses the data matrix symbology. If the Zebra printer does not contain the appropriate firmware, the square data matrix postage barcode will not print on the label, and the USPS will reject the mailpiece. The following is an EPL2 label with the data matrix barcode in the upper-right corner:



To upgrade the printer's firmware to support data matrix barcodes, see the Zebra support website:
<http://www.zebra.com/us/en/support-downloads.html>

- Treat all data contained in the EPL2 or ZPLII label image as binary bytes.
The label image contains text and binary data values. All data must be treated as binary.
Therefore, whether sending the label image data directly to the printer or saving it to intermediate storage for later retrieval, there should be no conversion performed to ANSI, ASCII, or any other format. If that happens, the crucial barcode data bits will be changed causing the USPS scanners to read erroneous barcode data.
- The following example in Visual C# shows how to send raw data to a printer.

```
public static bool SendBytesToPrinter(string szPrinterName, byte[] bytes)
{
    Int32    nLength;
    IntPtr   pUnmanagedBytes;
    bool bSuccess;

    pUnmanagedBytes = new IntPtr(0);
    nLength = Convert.ToInt32(bytes.Length);

    pUnmanagedBytes = Marshal.AllocCoTaskMem(nLength);

    Marshal.Copy(bytes, 0, pUnmanagedBytes, nLength);
}
```

```

        bSuccess = SendBytesToPrinter(szPrinterName, pUnmanagedBytes,
nLength);

        Marshal.FreeCoTaskMem(pUnmanagedBytes);

        return(bSuccess);
    }

    public static bool SendBytesToPrinter(string szPrinterName,
        IntPtr pUnmanagedBytes, Int32 nLength)
    {
        DOCINFOAdi;
        Int32    dwError, dwWritten;
        IntPtr   hPrinter;
        bool bSuccess;

        bSuccess = false;

        dwError = 0;
        dwWritten = 0;

        di = new DOCINFOA();
        di.pDocName = "ELS Label";
        di.pDataType = "RAW";

        hPrinter = new IntPtr(0);
        if (OpenPrinter(szPrinterName.Normalize(), out hPrinter, IntPtr.Zero)
== true)
        {
            if (StartDocPrinter(hPrinter, 1, di) == true)
            {
                if (StartPagePrinter(hPrinter))
                {
                    bSuccess = WritePrinter(hPrinter, pUnmanagedBytes,
nLength,
                                out dwWritten);
                    EndPagePrinter(hPrinter);
                }
                EndDocPrinter(hPrinter);
            }
            ClosePrinter(hPrinter);
        }

        if (bSuccess == false)
        {
            dwError = Marshal.GetLastWin32Error();
        }

        return(bSuccess);
    }

```

- Correctly decode the sequence of data bytes in the label image.
The Zebra EPL2 and ZPLII languages have special sequences of bytes to represent special characters, such as a quote, back slash, and so on. These special sequences must be recognized and decoded properly to obtain a scannable label. For more information, see the Zebra programming guides.

General Printing Questions

- Q. Having problems with printing the barcode on the label using Zebra printer?
- A. If you are using the Zebra LP-2844 printer, you must upgrade the printer's firmware to support data matrix barcodes.
- Q. How do I convert a string containing the label image in Base64 format returned in the LabelRequestResponse XML into a bitmap object in .NET?
- A. The following is a function in C# that converts a string containing the label image in Base64 format returned in the label request response into a bitmap object you can draw on the screen or print:

```
private Bitmap _GetBitmap(string base64LabelImage)
{
    byte[] bytes = null;
    Bitmap labelBitmap;
    MemoryStream memoryStream;
    bytes = Convert.FromBase64String(base64LabelImage);
    memoryStream = new MemoryStream(bytes);
    labelBitmap = (Bitmap) Image.FromStream(memoryStream);
    memoryStream.Close();
    memoryStream = null;
    return(labelBitmap);
}
```

- Q. When I view a label on screen, sometimes the label is very large. When I print the label, the printing too big to fit on a label and sometimes spans more than one page.
- A. If you are printing to a sheet-fed printer, you will need to set constraints on the size of the image. This can be due to variations in image resolution on your computer screen (usually 96 dpi), the image viewer you are using, or the printer's DPI resolution. When working with images, always set the image to be viewed in the same dimensions as requested. (4×6 inches, 4×5 inches, and so on) and ensure the aspect ratio (proportions) are correct. Otherwise, USPS scanners will not be able to read the label.

A formula for determining the correct print size is:

$$\text{Screen DPI} * \text{Desired Inches} = \text{Image Size in Pixels}$$

Example: 96 screen DPI, label size 4×6:

$$96 * 6 = 576 \text{ pixels}$$

$$96 * 4 = 384 \text{ pixels}$$

10. USPS AND ENDICIA ADDITIONAL SERVICES

Services Node

The Label Request, Rate Request and Rates Request API methods each contain the `<Services />` node and support additional elements necessary to support many of the common USPS services available.

Format

Add the `<Services />` node and the services you wish to use in a Label, Rate or Rates Request as follows:

```
<Services DeliveryConfirmation="ON" InsuredMail="Endicia" />
```

There is no limit to the number of services you can include in the node, as long as they are all available to be used, and used in combination with one another.

The Services requested will be added to the label and the appropriate fees will be charged, if a fee applies.

Available Services

The USPS supports many service options. Many of these services may be combined with other services. There are several hundred possible combinations – far too many to show in this document. The USPS provides details on all services available and the valid combinations at <http://pe.usps.gov/text/dmm300/503.htm>.

All Services default to OFF or disabled – only the Services you want to use need to be included.

The USPS uses a Service Type Code (STC) to define all the combinations of services available for all mail classes. The STC is located in the 3rd through 5th positions in the tracking number (that is, 94xxx...). You can find the complete list in USPS Publication 199. A sampling of STC's for First-Class Package Service and Priority Mail follows:

MailClass	DeliveryConfirmation	SignatureConfirmation	Certified	None
First	001	021	071	742
Priority	055	108	026	025

Some services require labels or forms not available through the Label Server API. You can obtain many of these supplies at no cost at the USPS Store:

<https://store.usps.com/store/browse/subcategory.jsp?categoryId=shipping-labels>

Tracking Services

Tracking services allow you to obtain tracking information on your mailings by assigning a unique tracking number. By default, all parcels and Priority Mail and Priority Mail Express Mail Class options include a tracking number.

Only one tracking method may be selected. Tracking methods may not be combined.

Service Attribute Name	Values	Description	Notes
DeliveryConfirmation	OFF ON	Disabled Enabled	<p>USPS Tracking Service. Default for all parcels – no need to manually select. Free for most mail classes</p> <p>Also available for the following international mail categories: First-Class Package International Service parcels, Priority Mail International Flat Rate Envelopes, and Small Flat Rate Boxes. See http://pe.usps.com/text/imm/immc2_022.htm for current countries.</p> <p>For destinations where USPS Tracking is not available, such as some APO/FPO/DPO addresses or US Territories/Possessions/Freely Associated States, you may need to include this attribute and set it to “OFF”.</p>
SignatureConfirmation	OFF ON	Disabled Enabled	<p>Obtains a signature on delivery. Once delivered, you can view the signature at https://tools.usps.com/go/TrackConfirmAction by entering your tracking number into the dialog.</p> <p>Not available to APO/FPO/DPO destinations.</p> <p>To obtain tracking information and a signature image file, you must have your own Mailer ID assigned from the USPS and have it applied to your Endicia account. You can then obtain this information from the USPS data center.</p> <p>Endicia does not receive or supply this information.</p>
CertifiedMail	OFF ON	Disabled Enabled	<p>Used with Return Receipt or Electronic Return Receipt to obtain a physical record of proof of delivery.</p> <p>The default value is ON for LabelType=“CertifiedMail”; otherwise, it is OFF. Available for First-Class Letters, Flats, and parcels and for Priority Mail. Certified Mail is the only tracking option available for some US Territories and Possessions.</p> <p>USPS Label 3800-N is required: https://store.usps.com/store/browse/productDetailSingleSku.jsp?productId=P_FORM3800N</p>
RegisteredMail	OFF ON	Disabled Enabled	<p>Used with Return Receipt or Electronic Return Receipt. Includes proof of mailing (time and date) as well as date and time of delivery or attempted delivery.</p> <p>When choosing Registered Mail, you must also include the <RegisteredValue> element described below.</p> <p>USPS Label 200-N is required: https://store.usps.com/store/browse/productDetailSingleSku.jsp?productId=P_LABEL200N</p>

When using Registered mail, include the following element:

Element Name	Type	Format	Notes
RegisteredMailValue	Currency	5.2	The USPS allows up to \$50,000 to be added.

Example:

```

<LabelRequest>
...
<Services RegisteredMail="ON" />
<RegisteredMailValue>500</RegisteredMailValue>
...
</LabelRequest>

```

Insurance Options

Service Attribute Name	Values	Description	Notes
InsuredMail	OFF	Disabled	No insurance requested
	Endicia	Endicia Insurance	Endicia Insurance provides up to \$10,000 insurance. Endicia insurance fee is not included in the postage price. It is billed to your account. See http://www.endicia.com/tools-resources/insurance/rates for details.
	UspsOnline	USPS Online Insurance	USPS insurance is not allowed for international mail or when Stealth or ReplyPostage is set to TRUE. The USPS allows up to \$5,000 insurance.
	ThirdParty	Third Party Insurance	Third party insurance requested. This applies to retail accounts only

In addition to adding the InsuredMail attribute, the following element is also required:

Element Name	Type	Format	Notes
InsuredValue	Currency	5.2	Enter the dollar amount of insurance.

Example:

```

<LabelRequest>
...
<Services InsuredMail="Endicia" />
<InsuredValue>500</InsuredValue>
...
</LabelRequest>

```

COD

COD (Collect on Delivery) service is supported with optional accompanying forms printed as labels.

Service Attribute Name	Values	Description	Notes
COD	OFF	Disabled	<CODAmount> element is required. Must affix a completed COD Form 3816 to the mailpiece and take it to the retail USPS counter, or print the forms using the elements below.
	ON	Enabled	

Supporting COD elements:

Element Name	Type	Format	Notes
CODAmount	Currency	5.2	COD amount to collect. Required if COD is requested for the mailpiece.
COD3816	Node		Node for enclosing the elements below.
ReturnName	String	50	Return Addressee's name
ReturnCompany	String	50	Return Addressee's Company
ReturnAddress1	String	50	Return Addressee's Address Line 1
ReturnAddress2	String	50	Return Addressee's Address Line 2
ReturnCity	String	50	Return Addressee's City
ReturnPostalCode	String	15	Return Addressee's Postal Code
ReturnState	String	5	Return Addressee's State
AS3816	String	FALSE	4-part COD Form (Default)
		TRUE	2-part Form AS3816
USPSCA	String	15	USPS Corporate Account Number. Required for Priority Mail Express Return.
PMExpressReturn	String	FALSE	Default is FALSE
		TRUE	COD to be returned by Express Mail. A USPS Corporate Account number must be included (<USPSCA>, above).
OptionalEndorsement	String	50	Optional endorsement String on the Form

Example:

```

<LabelRequest>
...
<Services COD="ON" />
<CODAmount>500</CODAmount>
<COD3816>
  <ReturnName>John Doe</ReturnName>
  <ReturnCompany>Your Company</ReturnCompany>
  <ReturnAddress1>278 Castro St</ReturnAddress1>
  <ReturnCity>Mountain View</ReturnCity>
  <ReturnState>CA</ReturnState>
  <ReturnPostalCode>94041</ReturnPostalCode>
  <AS3816>TRUE</AS3816>
  <USPSCA>123456789</USPSCA>

```

```
<PMExpressReturn>FALSE</PMExpressReturn>
<OptionalEndorsement>John Doe</OptionalEndorsement>
</COD3816>
...
</LabelRequest>
```

Hold For Pickup Service

The Hold For Pickup service allows mailpieces to be held at a designated Post Office location for pickup by a specified addressee or designee. The customer is notified by email or SMS text message (provided by the mailer or shipper as part of the label creation) that a package is available for pickup. This service provides the shipper with the date and time that the addressee took possession of the item. If the item has not been picked up within 5 days, the Post Office will make a second attempt to notify the addressee. The item will be returned to the sender if not picked up within 15 days. The Hold For Pickup service is available with Priority Mail Express, Priority Mail, First-Class Mail parcels, and Parcel Select Ground parcels.

There is no charge for the Hold For Pickup service. Delivery Confirmation is included by default, or you can also select Signature Confirmation. USPS Insurance for a declared value greater than \$200 can be optionally selected. No other services are available with Hold For Pickup service at this time.

Label Server will return a Hold For Pickup facility. However, if you prefer to obtain that information yourself, you can use USPS Web Tools (www.usps.com/webtools) to obtain the facility information to enter into your request in the elements listed below.

Label Server does not produce PS Form 3811, Domestic Return Receipt. PS Form 3811 must be manually completed and attached to the package with the label. These forms can be obtained from the US Postal Service. The following illustration is a Hold For Pickup label:

Service Attribute Name	Values	Description	Notes
HoldForPickup	OFF	Disabled	
	ON	Enabled	

Supporting Hold For Pickup elements:

Element Name	Type	Format	Notes
HfpFacilityID	String	50	Destination Facility ID
HfpFacilityName	String	50	Destination Facility Name.
HfpFacilityAddress1	String	50	Destination Facility Address.
HfpFacilityCity	String	50	Destination Facility City.
HfpFacilityState	String	50	Destination Facility State.
HfpFacilityPostalCode	String	25	Destination Facility 5-Digit ZIP Code.
HfpFacilityZIP4	String	5	Destination Facility +4.
HfpEmailAddress	String	64	Email address of the addressee. An email address or SMS number is required if Service HoldForPickup is selected.
HfpSMS	String	10	SMS phone number of the addressee. An email address or SMS number is required if Service HoldForPickup is selected.

Example:

```

<LabelRequest>
...
<Services HoldForPickup="ON" />
<HfpFacilityID>12345</HfpFacilityID>
<HfpFacilityName>Palo Alto DDU</HfpFacilityName>
<HfpFacilityAddress1>278 Castro St</HfpFacilityAddress1>
<HfpFacilityCity>Palo Alto</HfpFacilityCity>
<HfpFacilityState>CA</HfpFacilityState>
<HfpFacilityPostalCode>94041</HfpFacilityPostalCode>
<HfpEmailAddress>test@test.com</HfpEmailAddress>
<HfpSMS>2025551212</HfpSMS>
...
</LabelRequest>

```

Example:



Open and Distribute Service

Priority Mail Open and Distribute (PMOD) and Priority Express Mail Open and Distribute (EMOD) service is available. Use this service to send parcels, such as Parcel Select entry facility presorted pieces to the destination Post Office to be processed and entered at a discount. See [Presorting Features](#) for Parcel Select settings.

Many mailing houses use Open and Distribute Service to send Every Door Direct Mail (EDDM) mail to destination Post Offices for delivery to neighborhoods and targeted marketing areas.

Service Attribute Name	Values	Description	Notes
OpenAndDistribute	OFF	Disabled	
	ON	Enabled	

Supporting Open and Distribute elements:

Element Name	Type	Format	Notes
MailpieceShape	Text	HalfTrayBox FullTrayBox EMMTrayBox FlatTubTrayBox	Container options.
OpenAndDistributeFacilityType	Text	SCF DDU NDC ADC ASF NDC	Sectional Center Facility Destination Delivery Unit Network Distribution Center Area Distribution Center Auxiliary Service Facility Bulk Mail Center
OpenAndDistributeFacilityName	String	50	Required when OpenAndDistributeFacilityType = 'DDU'
OpenAndDistributeTray	String	False True	Default Enclosed mail must be placed in a tray if the total weight is less than 5 pounds. CPP rate qualification is required for trays.
OpenAndDistributeMailClassEnclosed	String	Standard Mail Letters Standard Mail Flats Standard Mail Parcels Standard Mail Mix Other	Mailpieces enclosed
OpenAndDistributeMailClassOther	String	32	Required when OpenAndDistributeMailClassEncl osed = 'Other'

Example:

```

<LabelRequest>
...
  <Services OpenAndDistribute="ON" />
  <OpenAndDistributeFacilityType>SCF
  </OpenAndDistributeFacilityType>
  <OpenAndDistributeFacilityName>Palo Alto DDU
  </OpenAndDistributeFacilityName>
  <OpenAndDistributeTray>False</OpenAndDistributeTray>
  <OpenAndDistributeMailClassEnclosed>Other
  </OpenAndDistributeMailClassEnclosed>
  <OpenAndDistributeMailClassOther>Parcel Select
  </OpenAndDistributeMailClassOther>
...
</LabelRequest>

```

Additional Supported Services

Service Attribute Name	Values	Description	Notes
RestrictedDelivery	OFF ON	Disabled Enabled	Requires that only the named person in the <ToName> element of the Label Request will be given the mailpiece. Identification will be required. Available only with Signature Confirmation, Certified Mail, Registered Mail, UspsOnline Insured Mail over \$500, COD, or Adult Signature.
ReturnReceipt	OFF ON	Disabled Enabled	Can only be used with LabelType Default or DestinationConfirm. Not supported for International Mail. You must affix ad completed Return Receipt (USPS Form 3811) to the mail piece, and take it to a USPS retail counter.
ElectronicReturnReceipt	OFF ON	Disabled Enabled	Same restrictions as ReturnReceipt. To receive Electronic Return Receipt delivery information, you must have your own Mailer ID assigned from the USPS and have it applied to your Endicia account. You can then obtain this information from the USPS data center. A physical form is not required. The equivalent information will be returned electronically. Endicia does not receive or supply this information.
AdultSignature	OFF ON	Disabled Enabled	Requires the signature of someone 21 years of age or older at the recipient's address.
AdultSignatureRestrictedDelivery	OFF ON	Disabled Enabled	Requires the the addressee named in the <ToName> element be 21 years of age or older. If the specified individual is not 210 or over, the mailpiece will be returned to the sender.
AMDelivery	Attribute	OFF ON	AMDelivery service for Priority Mail Express not requested (Default) AMDelivery service for Priority Mail Express is requested

Grouped Services

In 2014, the USPS introduced special rates for grouped services. When you choose any of the below services in a single Label or Rate/Rates Request, a <GroupedServices> node will be returned conaining the name and amount charged.

Each Service is contained in the Services attribute in the GroupedExtraServices element of the response, separated by a semicolon.

Combined Services Requested	Returned in GroupedExtraServices Node
SignatureConfirmation="ON" RestrictedDelivery="ON"	Services="SignatureConfirmation; RestrictedDelivery"
CertifiedMail="ON" RestrictedDelivery="ON"	Services="CertifiedMail; RestrictedDelivery"
CertifiedMail="ON" AdultSignatureRequired="ON"	Services="CertifiedMail; AdultSignatureRequired"
CertifiedMail="ON" AdultSignatureRequired="ON" RestrictedDelivery="ON"	Services="CertifiedMail; AdultSignature; RestrictedDelivery"

Example:

If your Request contains:

```
<Services CertifiedMail="ON" AdultSignatureRequired="ON"
RestrictedDelivery="ON" />
```

The response will contain:

```
</LabelRequestResponse>
...
  <PostagePrice TotalAmount="17.42">
    ...
      <GroupedExtraServices
        Services="CertifiedMail;AdultSignature;RestrictedDelivery" >
          <FeeAmount>9.40</FeeAmount>
        </GroupedExtraServices>
      </PostagePrice>
    ...
  </LabelRequestResponse>
```

Note that the TotalAmount attribute and <FeeAmount> element values are for example use only and do not reflect actual prices.

Special Handling

Label Server supports USPS special handling categories which can be applied to your Label Requests. Use of these options will result in special handling by the USPS as described in <http://pe.usps.com/text/dmm300/503.htm> under "Special Handling".

Element Name	Type	Values	Notes
Special Handling	String	CrematedRemains	Cremated Remains Affix USPS Label 139
		Fragile	Fragile contents
		HazMat	Hazardous Materials
		LiveAnimals	Live Animals. See LiveAnimalSurcharge below.
		Perishable	Perishable contents
LiveAnimalSurcharge	String	FALSE TRUE	Used only for shipping live animals, such as day-old chicks, bees, or other live poultry Surcharge is based on weight and is only added if the destination zone is greater than 4.

11. BUYING POSTAGE API (REQUIRED)

RecreditRequest

To add postage to an account, use the BuyPostage or the BuyPostageXML web method of the Endicia Label Server Web Service.

RecreditRequest XML Syntax

The following table describes the XML tags for RecreditRequest.

Important Notes About All Elements

- Omitting any value causes the Endicia Label Server Web Service to use the default value for that element.
- *Italic* items are optional.
- For a full list of status codes and messages, see [Error Codes](#).

Table 11-1: RecreditRequest XML Elements

Element	Type	Size or Values	Description
RecreditRequest	Root	-	The root node for the XML request.
RequesterID	String	4	Requester ID (also called Partner ID) uniquely identifies the partner making the request. Endicia assigns this ID.
RequestID	String	50	Request ID that uniquely identifies this request. This will be returned in response.
CertifiedIntermediary	Node		Certified Intermediary (CI) account authentication information.
AccountID and PassPhrase or Token	String	7 64 150	Account ID for the Endicia Postage Account Pass Phrase for the Endicia postage account. <i>Security Token. Use only if your account is set up to use the Token. If using the Token, DO NOT supply the AccountID and PassPhrase elements.</i>
RecreditAmount	Currency	5.2 10 25 50 100 250 500 1000	Amount of postage, in dollars, to add to the account. Either use a defined amount from the list or enter any value up to 99999.99. Defined amounts: Add \$10.00 to the account. Add \$25.00 to the account. Add \$50.00 to the account. Add \$100.00 to the account. Add \$250.00 to the account. Add \$500.00 to the account. Add \$1,000.00 to the account.

Element	Type	Size or Values	Description
		2500 5000 7500 10000 20000	Add \$2,500.00 to the account. Add \$5,000.00 to the account. Add \$7,500.00 to the account. Add \$10,000.00 to the account. Add \$20,000.00 to the account. Any amount, at least \$10.00 and up to \$99,999.99, in unit of dollars and rounded to the nearest cent. The minimum amount of postage that can be purchased is \$10. The maximum amount is based on the settings of the account.

The following listing shows an example of the RecreditRequest XML.

Listing 11-1: RecreditRequest XML

```
<?xml version="1.0" encoding="utf-8"?>
<RecreditRequest>
  <RequesterID>string</RequesterID>
  <RequestID>string</RequestID>
  <CertifiedIntermediary>
    <AccountID>string</AccountID>
    <PassPhrase>string</PassPhrase>
    <Token>string</Token>
  </CertifiedIntermediary>
  <RecreditAmount>double</RecreditAmount>
</RecreditRequest>
```

RecreditRequestResponse XML Syntax

The following table describes the XML tags for RecreditRequestResponse.

Table 11-2: RecreditRequestResponse XML Elements

Element	Type	Size or Values	Description
RecreditRequestResponse	Root	-	The root node for the XML response.
ErrorMessage	String	150	Error Message
RequesterID	String	4	Return of Requester ID—based on input value.
RequestID	String	50	Return of Request ID—based on input value.
CertifiedIntermediary	Node		Certified Intermediary (CI) account status.
AccountID	String	7	Account ID for the Endicia postage account.
SerialNumber	Int	12	The Serial Number of the last item created on the account.

Element	Type	Size or Values	Description
PostageBalance	Double	6.3	Remaining postage balance after re-credit in dollars and cents (mils).
AscendingBalance	Double	6.3	Total amount of postage printed (after re-credit) in dollars and cents (mils).
AccountStatus	String	A	Account Status flag: Active
DeviceID	String	12	The account's 12 character Device ID (that appears in the indicium).

The following listing shows an example of a RecreditRequestResponse XML.

Listing 11-2: RecreditRequestResponse XML

```
<?xml version="1.0" encoding="utf-8"?>
<RecreditRequestResponse>
  <Status>int</Status>
  <ErrorMessage>string</ErrorMessage>
  <RequesterID>string</RequesterID>
  <RequestID>string</RequestID>
  <CertifiedIntermediary>
    <AccountID>string</AccountID>
    <SerialNumber>string</SerialNumber>
    <PostageBalance>double</PostageBalance>
    <AscendingBalance>double</AscendingBalance>
    <AccountStatus>string</AccountStatus>
    <DeviceID>string</DeviceID>
  </CertifiedIntermediary>
</RecreditRequestResponse>
```

Note the following information about purchasing postage and bank-to-bank postage payment options.

Postage Purchases

- Purchase Methods: Postage purchases are billed when a customer purchases postage.
- Payment Types: Visa, MasterCard, American Express, Discover-Novus, Diner's Club International, Carte Blanche, checks, and direct debits (ACH) from US-based checking accounts, and ACH Credit issued to the USPS bank account will be accepted. Payment methods are subject to change at any time.
- When an account is Active, the minimum postage purchase is \$10, and the maximum is \$500, and a customer's account may contain a maximum of \$500 of postage at any given time. An unlimited number of purchases can be made. No sales taxes are applicable to purchases of postage.

A customer can apply directly with Endicia support staff (support@endicia.com) to have the postage purchase limits on an account increased after they have used the account and have established a postage buying pattern (usually a couple of weeks).

Endicia Bank-to-Bank Postage Payment Options

- ACH Withdrawal (Direct Debit):

With the ACH Withdrawal method, you provide information about your checking account, and Endicia will withdraw the funds directly from your checking account and add the amount to your Endicia postage account balance. Endicia uses the USPS-authorized Federal Automated Clearing House (ACH) system to handle all payments. The purchase process in the client works exactly the same way with this method, and you can buy postage at any time to increase the balance in your Endicia account. If this payment method is used, your payment limits can be increased beyond the standard \$500 restriction after an initial setup period.

The following Steps describe how to switch to direct debit.

Steps

1. Log in to your online Endicia account at <https://www.endicia.com/Account/LogIn/>
2. From the My Account tab, select **Update Profile > Payment Method**.
3. Select the **Deduct from my Checking Account...** option.
4. Enter your checking account and routing number.

Alternately, you can also contact support@endicia.com by email to switch.

- **ACH Credit (or Push) to the US Postal Service:**
The ACH Credit (Push) method allows you to transfer funds directly from your bank to the USPS. The USPS then transfers those funds to Endicia to add to your account balance. The primary advantages to this method are: no bank account information needs to be provided to Endicia and any amount of postage may be purchased. For customers who prefer to purchase in large amounts, this can be quite advantageous.

The following Steps describe how to add funds to your account balance using ACH Credit (Push).

Steps

1. Instruct your bank to send an ACH TRANSFER (NOT A WIRE TRANSFER) to the USPS "lockbox" at Citibank.
The account number is 30564608, and the Citibank ABA routing transit number is 021000089.
2. Include your Endicia account number on the ACH Credit Transaction.
Your bank may have a field for an "Invoice Number", "Order Number", "Individual or Company ID", or a note. If this information is omitted, your Endicia account cannot be credited for ten (10) business days or until another ACH transaction is made with your Endicia Account number in the proper field.
3. Your bank may require additional verification of the transfer. The vendor name for the transfer is the "US Postal Service (Endicia)" and the tax ID is 41-0760000
4. Expect the transfer to take 3-5 business to reach your Endicia account.

- **Wire transfer to Endicia:**
You can institute a wire transfer of funds from your bank to the Endicia bank account at Union Bank of California, and Endicia will subsequently transfer these funds into the USPS bank account. Please include your Endicia account number in the wire transfer notation field. Contact Endicia Accounting at accounting@endicia.com if you are interested in this method.

Note: There is a \$50 fee for each payment using this method.

- **Pay by check:**

You can mail a check directly to Endicia to purchase postage. Make the check out to "Endicia Internet Postage", add your Endicia account number to the check or check stub, and mail to:

PSI Systems, Inc.
Attn: Accounting Department
278 Castro St
Mountain View, CA 94041-1204

The process to credit your account will take five business days after we receive the check.

Note: There is a \$50 fee for each payment using this method.

Buy Postage Through Your Endicia.com Account

The following Steps describe how to purchase postage through your Endicia.com account. The payment method on file will be used to purchase the postage.

Steps

1. Log in to your online Endicia account at <https://www.endicia.com/Account/LogIn/>
2. From the My Account tab, select **Tools > Purchase Postage**.
3. Enter the **Postage Amount** and your Endicia Label Server **Pass Phrase**. (Note that in Label Server accounts, the Pass Phrase is different than the Internet Password used for logging in to your Endicia.com account.)
4. Click **Buy Postage**. A message box asks you to confirm your purchase amount.
5. Click **OK** to close the message box. You can purchase a minimum of \$10 in postage. If you attempt to purchase more than the account's purchase limit, you will receive an error: "*The purchase amount exceeds the account's purchase limit.*"
6. Click **OK** and adjust the **Postage Amount** to a lower amount.

Set up Auto-Purchase Through Your Endicia.com Account

After you have made an initial postage purchase, you can set up the Auto-Purchase feature from your Endicia.com web account.

The following Steps describe how to set up Auto-Purchase through your Endicia.com account.

Steps

1. Log in to your online Endicia account at <https://www.endicia.com/Account/LogIn/>
2. From the My Account tab, select **Update Profile > Auto-Purchase Settings**.
3. Select the **Enable** check box.
4. Select a **Purchase Amount** from the list.
5. Set your purchase **Trigger Amount**.
6. Click **Continue** to complete the process.

12. CHANGING THE PASS PHRASE API (REQUIRED)

ChangePassPhraseRequest

To change the Pass Phrase for an account, use the ChangePassPhrase or the ChangePassPhraseXML web method of the Endicia Label Server Web Service.

Set the TokenRequested attribute to “true” to enable your transactions to use the <Token> instead of the <AccountID> and <PassPhrase>. This will enhance account security as these values are no longer passed in the requests. You can still use the <AccountID> and <PassPhrase> in your requests, but you cannot use all three (<AccountID>, <PassPhrase> and <Token>) in the same request.

To change the current Token value, run the ChangePassPhraseRequest with TokenRequested set to “true” and a new PassPhrase in the NewPassPhrase element. You cannot use previously used PassPhrase values for the same account.

You can revert to the <AccountID> and <PassPhrase> by running the ChangePassPhraseRequest and setting the TokenRequested attribute to “false”. From that point on, the <Token> will become stale and can no longer be used.

ChangePassPhraseRequest XML Syntax

The following table describes the XML tags for ChangePassPhraseRequest.

Important Notes About All Elements

- Omitting any value causes the Endicia Label Server Web Service to use the default value for that element.
- *Italic* items are optional.
- For a full list of status codes and messages, see [Error Codes](#).

Table 12-1: ChangePassPhraseRequest XML Elements

Element	Type	Size or Values	Description
ChangePassPhraseRequest	Root	-	The root node for the XML request.
TokenRequested	Attribute Boolean	true false (default)	Request a token to be used in transactions in lieu of <AccountID> and <PassPhrase>. Do not use a token for account authentication.
RequesterID	String	4	Requester ID (also called Partner ID) uniquely identifies the partner making the request. Endicia assigns this ID.
RequestID	String	50	Request ID that uniquely identifies this request. This will be returned in response.
CertifiedIntermediary	Node		Certified Intermediary (CI) account authentication information.

Element		Type	Size or Values	Description
	AccountID and PassPhrase Or Token	String	7	Account ID for the Endicia Postage Account
			64	Pass Phrase for the Endicia postage account.
			150	<i>Security Token. Use only if your account is set up to use the Token. If using the Token, DO NOT supply the AccountID and PassPhrase elements.</i>
	NewPassPhrase	String	64	New Pass Phrase for the Endicia postage account. Pass Phrase must be at least eight characters with a maximum of 64 characters. For added security, the Pass Phrase should be at least 10 characters and include more than one word, use at least one uppercase and lowercase letter, one number and one non-text character (for example, punctuation). A Pass Phrase that has been used previously will be rejected.

The following listing shows an example of the ChangePassPhraseRequest XML.

Listing 12-1: ChangePassPhraseRequest XML

```
<?xml version="1.0" encoding="utf-8"?>
<ChangePassPhraseRequest TokenRequested="boolean">
  <RequesterID>string</RequesterID>
  <RequestID>string</RequestID>
  <CertifiedIntermediary>
    <AccountID>string</AccountID>
    <PassPhrase>string</PassPhrase>
    <Token>string</Token>
  </CertifiedIntermediary>
  <NewPassPhrase>string</NewPassPhrase>
</ChangePassPhraseRequest>
```

ChangePassPhraseRequestResponse XML Syntax

The following table describes the XML tags for ChangePassPhraseRequestResponse.

Table 12-2: ChangePassPhraseRequestResponse XML Elements

Element	Type	Size or Values	Description
ChangePassPhraseRequestResponse	Root	-	The root node for the XML response.
Status	String	0	Success
		1	Error
ErrorMessage	String	150	Error Message

Element	Type	Size or Values	Description
RequesterID	String	4	Return of Requester ID—based on input value.
RequestID	String	50	Return of Request ID—based on input value.
<i>Token</i>	<i>String</i>	<i>50</i>	<i>Returned if TokenRequested attribute was set to “TRUE” in the Request.</i>

The following listing shows an example of the ChangePassPhraseRequestResponse XML.

Listing 12-2: ChangePassPhraseRequestResponse XML

```
<?xml version="1.0" encoding="utf-8"?>
<ChangePassPhraseRequestResponse>
  <Status>int</Status>
  <ErrorMessage>string</ErrorMessage>
  <RequesterID>string</RequesterID>
  <RequestID>string</RequestID>
  <Token>string</Token>
</ChangePassPhraseRequestResponse>
```

13. INTRODUCTION TO CALCULATING POSTAGE AND FEES

The following API options for calculating postage and fees in Endicia Label Server (ELS) are:

- `PostageRateRequest`, which returns the rate for a single Mail class.
- `PostageRatesRequest`, which returns the rate for multiple classes of mail.

You can use the single request to obtain postage and fees information for a specified mail class.

You can use the multiple rates request to obtain the best rate for a particular package.

The following table summarizes how you determine which option to use.

Table 13-1: Options for Calculating Postage and Fees

Option Type	PostageRateRequest	PostageRatesRequest
Price for a known class of service	Y	N
Return class options with price	N	Y
Can return a retail price	Y*	N**

* Choose `<pricing>` to return requested rate.

** Returns pricing level associated with the customer account number, except for Library Mail, Media Mail, and Retail Ground, which are always retail.

When using either of these API's, remember that you must explicitly specify each service that you are requesting or that service will not be included in the `<TotalAmount>` element or the `<Fees>` node of the response. For example, if you do not include a tracking method (`DeliveryConfirmation`, `CertifiedMail`, or `SignatureConfirmation`) in a Label Request, `DeliveryConfirmation` will be selected as the default tracking method, and the associated fee will be included in the Postage and Fees for that label. However, if you do not include a tracking method in a rate or rates request, ELS will not include it in the response.

Use the `ResponseVersion` attribute in the request to specify whether you prefer basic Services validation, or validation that you would receive in a Label Request. The Label Request validates the Services you have selected with the `MailClass` and other request parameters to ensure that there is a valid Service Type Code (STC) for that combination of services.

USPS Service Type Codes can be found in USPS Publication 199. Endicia only supports STCs that are associated with the mail classes and services supported by the Label Server API.

14. CALCULATE POSTAGE AND FEES API (SINGLE)

PostageRateRequest

To calculate the postage and fees for a single mailpiece, use the CalculatePostageRate or the CalculatePostageRateXML web method of the Endicia Label Server Web Service.

PostageRateRequest XML Syntax

The following table describes the XML tags for PostageRateRequest.

Important Notes About All Elements

- **New:** The ResponseVersion attribute provides the option to validate against the Service Type Code (STC) database to ensure that a combination of services within the MailClass and MailpieceShape is valid.
- Omitting any value causes the Endicia Label Server Web Service to use the default value for that element.
- *Italic* items are optional.
- For a full list of status codes and messages, see [Error Codes](#).

Table 14-1: PostageRateRequest XML Elements

Element	Type	Size or Values	Description
PostageRateRequest	Root	-	The root node for the XML request.
ResponseVersion	Attribute	0	Default. Returns basic Services validation.
		1	Returns validated (STC) Services.
RequesterID	String	4	Requester ID (also called Partner ID) uniquely identifies the system making the request. Endicia assigns this ID.
CertifiedIntermediary	Node		Certified Intermediary (CI) account authentication information.
AccountID and PassPhrase Or Token	String	7	Account ID for the Endicia Postage Account
		64	Pass Phrase for the Endicia postage account.
		150	<i>Security Token. Use only if your account is set up to use the Token. If using the Token, DO NOT supply the AccountID and PassPhrase elements.</i>

Element	Type	Size or Values	Description
MailClass	Text	PriorityExpress First LibraryMail MediaMail ParcelSelect RetailGround Priority PriorityMailExpressInternational FirstClassMailInternational FirstClassPackageInternationalService PriorityMailInternational	<u>Domestic:</u> Priority Mail Express First-Class Package Service and First-Class Mail Parcel Library Mail Media Mail Parcel Select is available for most users. See Presorting Features for detailed instructions. <SortType> and <EntryFacility> elements are required for Parcel Select. Retail Ground is available only for use by USPS Authorized Shippers. Priority Mail <u>International:</u> Priority Mail Express International First-Class Mail International First-Class Package International Service Priority Mail International
DateAdvance	Numeric	0-7 (default range)	<i>The number of days to advance date on the indicium.</i> <i>When used, this element advances the date on the indicium by the number of days selected from the range of values.</i> <i>Default range: (0-7) days.</i>
Pricing	String	CommercialBase CommercialPlus Retail	Commercial Base pricing. Commercial Plus pricing. Retail pricing. <i>If this element is not supplied, pricing will be based on the MailClass and any qualified discounts available to AccountID.</i> Important! If this element is set to CommercialPlus, but the account is not qualified for Commercial Plus pricing, an error will be returned.
WeightOz	Numeric	4.1	Weight of the package, in ounces.
MailpieceShape	String	Card	Shape of the mailpiece.

Element	Type	Size or Values	Description
		<i>Letter</i> <i>Flat</i> <i>Parcel</i> <i>LargeParcel</i> <i>IrregularParcel</i> <i>FlatRateEnvelope</i> <i>FlatRateLegalEnvelope</i> <i>FlatRatePaddedEnvelope</i> <i>FlatRateGiftCardEnvelope</i> <i>FlatRateWindowEnvelope</i> <i>FlatRateCardboardEnvelope</i> <i>SmallFlatRateEnvelope</i> <i>SmallFlatRateBox</i> <i>MediumFlatRateBox</i> <i>LargeFlatRateBox</i> <i>DVDFlatRateBox</i> <i>LargeVideoFlatRateBox</i> <i>RegionalRateBoxA</i> <i>RegionalRateBoxB</i> <i>LargeFlatRateBoardGameBox</i> <u>Containers for Open & Distribute services:</u> <i>HalfTrayBox</i> <i>FullTrayBox</i> <i>EMMTrayBox</i> <i>FlatTubTrayBox</i>	<p><i>Default</i></p> <p><i>Use LargeParcel instead of MailpieceDimensions to indicate Balloon Rate.</i></p> <p><i>If MailpieceShape is set to LargeParcel, it overrides the value supplied in MailpieceDimensions. Valid for Priority Mail and Parcel Select only.</i></p> <p><i>IrregularParcel is used for First-Class Package Service (if applicable) and Parcel Select Lightweight only.</i></p> <p><i>For more information, see LabelType, LabelSize, and MailpieceShape by MailClass.</i></p> <p><i>PMOD Container-specific pricing available.</i></p>
<i>MailpieceDimensions</i>	<i>Node</i>		<p><i>Dimensions of the mailpiece.</i></p> <p><i>Required for calculating Cubic pricing and for Priority Mail mailpieces going to Zones 5-9 which are over 1 cubic foot.</i></p> <p><i>Ignored if MailpieceShape is set to LargeParcel.</i></p>

Element		Type	Size or Values	Description
				<i>All values must be in inches.</i>
	Length	Numeric	3.3	Length of the mailpiece. For best rates, always enter the longest dimension as the length.
	Width	Numeric	3.3	Width of the mailpiece.
	Height	Numeric	3.3	Height (or thickness) of the mailpiece. Set to "1" when PackageTypeIndicator is SoftPack.
	AutomationRate	String	TRUE FALSE	Use applicable automation rate for selected mail class. Use retail price. (Default) Available only for letter shape mailpiece using First-Class.
	PackageTypeIndicator	String	Null Softpack	Package Type is regular (Default) Commercial Plus cubic price for soft-pack packaging alternative.
	Machinable	String	TRUE FALSE	Package is machinable. (Default) Package is non-machinable. If a Parcel Select mailpiece marked as machinable is over 35 lbs. in weight, it will automatically be charged the non-machinable rate.
	ServiceLevel	String	NextDay2ndDayPOToAddressee	Next Day or Second Day Post Office to Addressee Service Applies only to Priority Mail Express. For more information, see Notes in Requesting a Shipping Label API (Required)
	SundayHolidayDelivery	String	TRUE FALSE SUNDAY HOLIDAY	For Priority Mail Express only: Request Sunday and Holiday Delivery Service. Do not deliver on Sunday or holiday. (Default) Request Sunday Delivery Service Request Holiday Delivery Service
	Services	Node		Special Services requested for the package. Special Services requested for the package. See USPS and Endicia Additional Services for details.

Element	Type	Size or Values	Description
FromPostalCode	String	5	Sender's postal code. The format is ZIP5. <i>For Parcel Select Ground and Parcel Select Lightweight, the value of this element contains the ZIP Code of the postal facility specified in EntryFacility.</i>
FromCountryCode	String	2	<i>LIMITED USE. For international returns from countries other than the US. Currently supported for France (FR) only.</i>
ToPostalCode	String	5 15	Recipient's postal code. For domestic mail, the format is ZIP5 (required). For international mail (optional).
ToCountryCode	String	2	<i>Two-character country code of the recipient's country.</i> <i>For a list of valid country codes, see the Country Code Table.</i> Required for international mail.
ShipDate	Date	MM/DD/YYYY	<i>Date mailpiece is shipped.</i> <i>Required for Priority Mail Express Sunday and Holiday Delivery Service. Ignored for other mail classes.</i>
ShipTime	Time	HH:MM AM or HH:MM PM	<i>Time mailpiece is shipped.</i> <i>Applies only to Priority Mail Express Sunday and Holiday Delivery Service. Ignored for other mail classes.</i> <i>If this element is not supplied, it defaults to 12:01 AM.</i>
IsConsolidator	String	TRUE FALSE	Rate Consolidator "no-postage" Label Do not rate Consolidator "no-postage" label (Default)
DeliveryTimeDays	String	TRUE FALSE	Delivery time in days for Priority and Priority Mail Express Include delivery days in the response Do not include delivery days in the response Default is False.

Element	Type	Size or Values	Description
<i>EstimatedDeliveryDate</i>	<i>String</i>	<i>TRUE</i> <i>FALSE</i>	<i>Estimated delivery date</i> Note: <i>Applies only to Priority and Priority Mail Express. This element is dependent on DeliveryTimeDays. EstimatedDeliveryDate is populated in the response when both EstimatedDeliveryDate and DeliveryTimeDays are TRUE,</i> <i>Include Estimated delivery date in the response</i> <i>Do not include Estimated delivery date in the response</i> <i>Default is FALSE</i>
<i>ResponseOptions</i>	<i>Node</i>		<i>Optional XML elements to include in the PostageRateResponse.</i>
<i>PostagePrice</i>	<i>Attribute</i>	<i>TRUE</i> <i>FALSE</i>	<i>TRUE means the response contains the PostagePrice node.</i>

The following listing shows an example of the PostageRateRequest XML.

Listing 14-1: PostageRateRequest XML

```
<?xml version="1.0" encoding="utf-8"?>
<PostageRateRequest>
  <RequesterID>string</RequesterID>
  <CertifiedIntermediary>
    <AccountID>string</AccountID>
    <PassPhrase>string</PassPhrase>
    <Token>string</Token>
  </CertifiedIntermediary>
  <MailClass>string</MailClass>
  <WeightOz>double</WeightOz>
  <MailpieceShape>string</MailpieceShape>
  <Machinable>string</Machinable>
  <Services DeliveryConfirmation="string" InsuredMail="string"/>
  <FromPostalCode>string</FromPostalCode>
  <ToPostalCode>string</ToPostalCode>
  <ResponseOptions PostagePrice="string"/>
</PostageRateRequest>
```

PostageRateResponse XML Syntax

The following table describes the XML tags for PostageRateResponse.

Table 14-2: PostageRateResponse XML Elements

Element	Type	Size or Values	Description
PostageRateResponse	Root	-	The root node for the XML response.

Element	Type	Size or Values	Description
Status	Numeric	0 Error Code	Success Failed. See Error Codes
ErrorMessage	String	150	Error Message
RequesterID	String	4	Return of Requester ID - based on input value.
Zone	String	0 (local zone), 1 through 9	Number of postal rate zones between the sender's and recipient's ZIP Codes. Applies only to domestic mail.
Postage	Node		Postage price for requested mail service. The response will <i>not</i> contain this node if PostagePrice in ResponseOptions is set to TRUE.
MailService	String	50	Mail Service.
Rate	Currency	6.3	Calculated postage price including all fees.
PostagePrice	Node		Postage price for requested Mail Service. The response contains this node only if PostagePrice in ResponseOptions is set to TRUE.
TotalAmount	Attribute, Currency	6.3	Total amount of postage and fees.
Postage	Node		
TotalAmount	Attribute, Currency	6.3	Total amount of postage.
MailService	String	50	Mail Service.
Zone	String	0 (local zone), 1 through 9	Number of postal rate zones between the sender's and recipient's ZIP Codes. Applies only to domestic mail.
IntraNDC	String	TRUE FALSE	Zone is Intra-NDC. Zone is Inter-NDC. Applies only to domestic mail.
Pricing	String	Commercial CommercialBase CommercialPlus NSA Retail	Commercial pricing. Commercial Base pricing. Commercial Plus pricing. NSA pricing. Retail pricing.
Fees	Node		

Element		Type	Size or Values	Description
	TotalAmount	Attribute, Currency	6.3	Total amount of fees.
	CertificateOfMailing	Currency	6.3	Certificate of Mailing fee. For future use.
	CertifiedMail	Currency	6.3	Certified Mail fee.
	CollectOnDelivery	Currency	6.3	Collect on Delivery (COD) fee. For future use.
	DeliveryConfirmation	Currency	6.3	Delivery Confirmation fee.
	ElectronicReturnReceipt	Currency	6.3	Electronic Return Receipt fee.
	InsuredMail	Currency	6.3	Insured Mail fee.
	RegisteredMail	Currency	6.3	Registered Mail fee.
	RestrictedDelivery	Currency	6.3	Restricted Delivery fee. For future use.
	ReturnReceipt	Currency	6.3	Return Receipt fee.
	ReturnReceiptForMerchandise	Currency	6.3	Return Receipt for Merchandise fee. For future use.
	SignatureConfirmation	Currency	6.3	Signature Confirmation fee.
	SpecialHandling	Currency	6.3	Special Handling fee—for future use.
	AdultSignature	Currency	6.3	Adult Signature fee.
	AdultSignatureRestrictedDelivery	Currency	6.3	Adult Signature Restricted Delivery fee.
	LiveAnimalSurcharge	Currency	6.3	Live Animal Surcharge fee.
	DeliveryTimeDays	Numeric	1	Returns delivery time of the specified mail class, in days. Note: Applies only to Priority Mail and Priority Mail Express. For all other mail classes, this element will always return a 0 value in the response.
	EstimatedDeliveryDate	Date	YYYYMMDD	Estimated delivery date Note: Applies only to Priority and Priority Mail Express.
	AMDelivery	Numeric	6.3	AM Delivery fee for Priority Mail Express packages.
	GroupedExtraServices	Node	Container for Grouped Services	Container for Grouped Extra Services
	Services	Attribute	SignatureConfirmation; RestrictedDelivery	Signature Confirmation Restricted Delivery
			CertifiedMail;RestrictedDelivery	Certified Mail Restricted Delivery
			CertifiedMail;AdultSignatureRequired	Certified Mail Adult Signature Required
			CertifiedMail;AdultSignature; RestrictedDelivery	Certified Mail Adult Signature Restricted Delivery
	FeeAmount	Currency	6.3	Amount for Grouped Service

The following listing shows an example of the PostageRateResponse XML.

Listing 14-2: PostageRateResponse XML

```
<?xml version="1.0" encoding="utf-8"?>
<PostageRateResponse>
  <Status>int</Status>
  <ErrorMessage>string</ErrorMessage>
  <Zone>string</Zone>
  <PostagePrice TotalAmount="double">
    <Postage TotalAmount="double">
      <MailService>string</MailService>
      <Zone>string</Zone>
      <IntraNDC>string</IntraNDC>
      <Pricing>string</Pricing>
    </Postage>
    <Fees TotalAmount="double">
      <CertificateOfMailing>double</CertificateOfMailing>
      <CertifiedMail>double</CertifiedMail>
      <CollectOnDelivery>double</CollectOnDelivery>
      <DeliveryConfirmation>double</DeliveryConfirmation>
      <ElectronicReturnReceipt>double</ElectronicReturnReceipt>
      <InsuredMail>double</InsuredMail>
      <RegisteredMail>double</RegisteredMail>
      <RestrictedDelivery>double</RestrictedDelivery>
      <ReturnReceipt>double</ReturnReceipt>
      <ReturnReceiptForMerchandise>double</ReturnReceiptForMerchandise>
      <SignatureConfirmation>double</SignatureConfirmation>
      <SpecialHandling>double</SpecialHandling>
      <MerchandiseReturn>double</MerchandiseReturn>
      <OpenAndDistribute>double</OpenAndDistribute>
      <AdultSignature>double</AdultSignature>

      <AdultSignatureRestrictedDelivery>double</AdultSignatureRestrictedDelivery>
      <LiveAnimalSurcharge>double</LiveAnimalSurcharge>
      <FragileHandling>double</FragileHandling>
      <DeliveryTimeDays>double</DeliveryTimeDays>
      <EstimatedDeliveryDate>date</EstimatedDeliveryDate>
      <AMDelivery>double</AMDelivery>
      <GroupedExtraServices Services="string">
        <FeeAmount>double</FeeAmount>
      </GroupedExtraServices>
    </Fees>
  </PostagePrice>
</PostageRateResponse>
```

15. CALCULATE POSTAGE AND FEES API (MULTIPLE)

PostageRatesRequest

To calculate the postage and fees for multiple mail classes for a mailpiece, use the CalculatePostageRates or the CalculatePostageRatesXML web method of the Endicia Label Server Web Service.

PostageRatesRequest XML Syntax

The following table describes the XML tags for PostageRatesRequest.

Important Notes About All Elements

- **New:** The ResponseVersion attribute provides the option to validate against the Service Type Code (STC) database to ensure that a combination of services within the MailClass and MailpieceShape is valid.
- Omitting any value causes the Endicia Label Server Web Service to use the default value for that element.
- *Italic* items are optional.
- For a full list of status codes and messages, see [Error Codes](#).

Table 15-1: PostageRatesRequest XML Elements

Element	Type	Size or Values	Description
PostageRatesRequest	Root	-	The root node for the XML request.
ResponseVersion	Attribute	0 1	Default. Returns basic Services validation. Returns validated (STC) Services.
RequesterID	String	4	Requester ID (also called Partner ID) uniquely identifies the system making the request. Endicia assigns this ID.
CertifiedIntermediary	Node		Certified Intermediary (CI) account authentication information.
AccountID and PassPhrase Or Token	String	7 64 150	Account ID for the Endicia Postage Account Pass Phrase for the Endicia postage account. <i>Security Token. Use only if your account is set up to use the Token. If using the Token, DO NOT supply the AccountID and PassPhrase elements.</i>
MailClass	String	Domestic International	Calculate rates for all applicable domestic mail classes. Calculate rates for all applicable international mail classes.
DateAdvance	Numeric	0-7 (default range)	<i>The number of days to advance date on the indicium.</i>

Element	Type	Size or Values	Description
			<p>When used, this element advances the date on the indicium by the number of days selected from the range of values.</p> <p>Default range: (0-7) days.</p>
WeightOz	Numeric	4.1	Weight of the package, in ounces.
MailpieceShape	String	<p>Card Letter Flat Parcel</p> <p>Default</p> <p>LargeParcel</p> <p>Use LargeParcel instead of MailpieceDimensions to indicate Balloon Rate.</p> <p>If MailpieceShape is set to LargeParcel, it overrides the value supplied in MailpieceDimensions. Valid for Priority Mail and Parcel Select only.</p> <p>IrregularParcel</p> <p>IrregularParcel is used for First-Class Package Service (if applicable) and Parcel Select Lightweight only.</p> <p>FlatRateEnvelope FlatRateLegalEnvelope FlatRatePaddedEnvelope FlatRateGiftCardEnvelope FlatRateWindowEnvelope FlatRateCardboardEnvelope SmallFlatRateEnvelope</p> <p>See LabelType, LabelSize, and MailpieceShape by MailClass.</p> <p>SmallFlatRateBox MediumFlatRateBox LargeFlatRateBox DVDFlatRateBox LargeVideoFlatRateBox</p> <p>RegionalRateBoxA RegionalRateBoxB LargeFlatRateBoardGameBox</p> <p>Containers for Open & Distribute services: HalfTrayBox FullTrayBox EMMTrayBox FlatTubTrayBox</p>	<p>Shape of the mailpiece.</p> <p>PMOD Container-specific pricing available.</p>
MailpieceDimensions	Node		Dimensions of the mailpiece.

Element		Type	Size or Values	Description
				<p>Required for calculating Cubic pricing and for Priority Mail mailpieces going to Zones 5-9 which are over 1 cubic foot.</p> <p>Ignored if MailpieceShape is set to LargeParcel.</p> <p>All values must be in inches.</p>
	Length	Numeric	3.3	Length of the mailpiece. For best rates, always enter the longest dimension as the length.
	Width	Numeric	3.3	Width of the mailpiece.
	Height	Numeric	3.3	Height (or thickness) of the mailpiece.
	Machinable		String	<p>TRUE</p> <p>Package is machinable. (Default)</p> <p>FALSE</p> <p>Package is non-machinable.</p>
	DeliveryTimeDays		String	<p>TRUE</p> <p>Return Delivery time in days for Priority and Priority Mail Express</p> <p>Include delivery days in the response</p> <p>FALSE</p> <p>Do not include delivery days in the response</p> <p>Default is False.</p>
	EstimatedDeliveryDate		String	<p>TRUE</p> <p>Estimated delivery date</p> <p>Note: Applies only to Priority and Priority Mail Express. This element is dependent on DeliveryTimeDays. EstimatedDeliveryDate is populated in the response when both EstimatedDeliveryDate and DeliveryTimeDays are TRUE,</p> <p>Include Estimated delivery date in the response</p> <p>FALSE</p> <p>Do not include Estimated delivery date in the response</p> <p>Default is FALSE</p>
	Services		Node	Special Services requested for the package.

Element	Type	Size or Values	Description
			See USPS and Endicia Additional Services for details.
FromCountryCode	String	2	LIMITED USE. For international returns from countries other than the US. Currently supported for France (FR) only.
FromPostalCode	String	5	Sender's postal code. The format is ZIP5.
ToPostalCode	String	5 15	Recipient's postal code. For domestic mail, the format is ZIP5 (required). For international mail (optional).
ToCountryCode	String	2	Two character country code of the recipient's country. For a list of valid country codes, see the Country Code Table . Required for international mail.

The following listing shows an example of the PostageRatesRequest XML.

Listing 15-1: PostageRatesRequest XML

```
<?xml version="1.0" encoding="utf-8"?>
<PostageRatesRequest>
  <RequesterID>string</RequesterID>
  <CertifiedIntermediary>
    <AccountID>string</AccountID>
    <PassPhrase>string</PassPhrase>
    <Token>string</Token>
  </CertifiedIntermediary>
  <MailClass>string</MailClass>
  <WeightOz>double</WeightOz>
  <MailpieceShape>string</MailpieceShape>
  <Machinable>string</Machinable>
  <Services DeliveryConfirmation="string" InsuredMail="string"/>
  <FromPostalCode>string</FromPostalCode>
  <ToPostalCode>string</ToPostalCode>
</PostageRatesRequest>
```

PostageRatesResponse XML Syntax

The following table describes the XML tags for PostageRatesResponse.

Table 15-2: PostageRatesResponse XML Elements

Element	Type	Size or Values	Description
PostageRatesResponse	Root	-	The root node for the XML response.
Status	Numeric	0 Error Code	Success Failed. See Error Codes .

Element	Type	Size or Values	Description
<i>ErrorMessage</i>	<i>String</i>	<i>150</i>	<i>Error Message</i>
<i>RequesterID</i>	<i>String</i>	<i>4</i>	<i>Return of Requester ID—based on input value.</i>
<i>PostagePrice</i>	<i>Node</i>		<i>Postage price for requested Mail Service.</i> <i>There may be multiple instances of this node for every applicable Mail Service.</i>
<i>TotalAmount</i>	<i>Attribute, Currency</i>	<i>6.3</i>	<i>Total amount of postage and fees.</i>
<i>Postage</i>	<i>Node</i>		
<i>TotalAmount</i>	<i>Attribute, Currency</i>	<i>6.3</i>	<i>Total amount of postage.</i>
<i>MailService</i>	<i>String</i>	<i>50</i>	<i>Mail Service.</i>
<i>Zone</i>	<i>String</i>	<i>0 (local zone), 1 through 9</i>	<i>Number of postal rate zones between the sender's and recipient's ZIP Codes.</i> <i>Applies only to domestic mail.</i>
<i>IntraNDC</i>	<i>String</i>	<i>TRUE</i> <i>FALSE</i>	<i>Zone is Intra-NDC.</i> <i>Zone is Inter-NDC.</i> <i>Applies only to domestic mail.</i>
<i>Pricing</i>	<i>String</i>	<i>Commercial</i> <i>CommercialBase</i> <i>CommercialPlus</i> <i>NSA</i> <i>Retail</i>	<i>Commercial pricing.</i> <i>Commercial Base pricing.</i> <i>Commercial Plus pricing.</i> <i>NSA pricing.</i> <i>Retail pricing.</i>
<i>Fees</i>	<i>Node</i>		
<i>TotalAmount</i>	<i>Attribute, Currency</i>	<i>6.3</i>	<i>Total amount of fees.</i>
<i>CertificateOfMailing</i>	<i>Currency</i>	<i>6.3</i>	<i>Certificate of Mailing fee.</i> <i>For future use.</i>
<i>CertifiedMail</i>	<i>Currency</i>	<i>6.3</i>	<i>Certified Mail fee.</i>
<i>CollectOnDelivery</i>	<i>Currency</i>	<i>6.3</i>	<i>Collect on Delivery (COD) fee.</i>
<i>DeliveryConfirmation</i>	<i>Currency</i>	<i>6.3</i>	<i>Delivery Confirmation fee.</i>
<i>ElectronicReturnReceipt</i>	<i>Currency</i>	<i>6.3</i>	<i>Electronic Return Receipt fee.</i>
<i>InsuredMail</i>	<i>Currency</i>	<i>6.3</i>	<i>Insured Mail fee.</i>
<i>RegisteredMail</i>	<i>Currency</i>	<i>6.3</i>	<i>Registered Mail fee.</i> <i>For future use.</i>
<i>RestrictedDelivery</i>	<i>Currency</i>	<i>6.3</i>	<i>Restricted Delivery fee.</i>
<i>ReturnReceipt</i>	<i>Currency</i>	<i>6.3</i>	<i>Return Receipt fee.</i>
<i>ReturnReceiptForMerchandise</i>	<i>Currency</i>	<i>6.3</i>	<i>Return Receipt for Merchandise fee.</i> <i>For future use.</i>
<i>SignatureConfirmation</i>	<i>Currency</i>	<i>6.3</i>	<i>Signature Confirmation fee.</i>
<i>SpecialHandling</i>	<i>Currency</i>	<i>6.3</i>	<i>Special Handling fee.</i>

Element			Type	Size or Values	Description
					For future use.
		AdultSignature	Currency	6.3	Adult Signature fee.
		AdultSignatureRestrictedDelivery	Currency	6.3	Adult Signature Restricted Delivery fee.
		LiveAnimalSurcharge	Currency	6.3	Live Animal Surcharge fee.
		AMDelivery	Numeric	6.3	AM Delivery fee for Priority Mail Express packages.
		GroupedExtraServices	Node	Container for Grouped Services	Container for Grouped Extra Services
		Services	Attribute	SignatureConfirmation; RestrictedDelivery CertifiedMail;RestrictedDelivery CertifiedMail;AdultSignatureRequired CertifiedMail;AdultSignature;RestrictedDelivery	Signature Confirmation Restricted Delivery Certified Mail Restricted Delivery Certified Mail Adult Signature Required Certified Mail Adult Signature Restricted Delivery
		FeeAmount	Currency	6.3	Amount for Grouped Service
		DeliveryTimeDays	Numeric	1	Returns delivery time of mail classes, in days. Note: Applies only to Priority Mail and Priority Mail Express. For all other mail classes, this element will always return a 0 value in the response.
		EstimatedDeliveryDate	Date	YYYYMMDD	Estimated delivery date Note: Applies only to Priority and Priority Mail Express.

The following listing shows an example of the PostageRatesResponse XML.

Listing 15-2: PostageRatesResponse XML

```
<?xml version="1.0" encoding="utf-8"?>
<PostageRatesResponse>
  <Status>int</Status>
  <ErrorMessage>string</ErrorMessage>
  <PostagePrice TotalAmount="4.53">
    <Postage TotalAmount="2.58">
      <MailService>string</MailService>
      <Zone>string</Zone>
      <IntraNDC>string</IntraNDC>
      <Pricing>string</Pricing>
    </Postage>
    <Fees TotalAmount="double">
      <CertificateOfMailing>double</CertificateOfMailing>
      <CertifiedMail>double</CertifiedMail>
      <CollectOnDelivery>double</CollectOnDelivery>
      <DeliveryConfirmation>double</DeliveryConfirmation>
    </Fees>
  </PostagePrice>
</PostageRatesResponse>
```

```

    <ElectronicReturnReceipt>double</ElectronicReturnReceipt>
    <InsuredMail>double</InsuredMail>
    <RegisteredMail>double</RegisteredMail>
    <RestrictedDelivery>double</RestrictedDelivery>
    <ReturnReceipt>double</ReturnReceipt>
    <ReturnReceiptForMerchandise>double</ReturnReceiptForMerchandise>
    <SignatureConfirmation>double</SignatureConfirmation>
    <SpecialHandling>double</SpecialHandling>
    <MerchandiseReturn>double</MerchandiseReturn>
    <OpenAndDistribute>double</OpenAndDistribute>
    <AdultSignature>double</AdultSignature>
    <AdultSignatureRestrictedDelivery>double
  </AdultSignatureRestrictedDelivery>
    <LiveAnimalSurcharge>double</LiveAnimalSurcharge>
    <FragileHandling>double</FragileHandling>
    <AMDelivery>double</AMDelivery>
    <GroupedExtraServices Services=string >
      <FeeAmount>double</FeeAmount>
    </GroupedExtraServices>
  </Fees>
    <DeliveryTimeDays>string</DeliveryTimeDays>
    <EstimatedDeliveryDate>date</EstimatedDeliveryDate>
  </PostagePrice>
  <PostagePrice>
...
  </PostagePrice>
</PostageRatesResponse>

```

16. USING THE SCAN FORM API

GetSCAN

The Shipment Confirmation Acceptance Notice (SCAN) associates all trackable items in a single form containing a barcode which the USPS representative scans when your packages are picked up. When tracking numbers are uploaded into the postal system that evening, all your packages will receive an Acceptance event.

The SCAN Request uses the <PostmarkDate> to determine eligibility for inclusion on a SCAN Request. After 9:00 PM PT (Midnight ET) on the <PostmarkDate>, the tracking number will no longer be eligible to be included in a SCAN Request.

Any tracking numbers that the USPS has previously accepted or are already included in another SCAN Request will *not* be included, and that once the <PostmarkDate> is past, the tracking number is no longer eligible for SCAN.

Case 1: In its simplest form, a SCAN Request looks like the following:

```
<SCANRequest>
  <CertifiedIntermediary>
    <AccountID>string</AccountID>
    <PassPhrase>string</PassPhrase>
  </CertifiedIntermediary>
</SCANRequest>
```

In this case when there are no filters or items identified, the response will include all unmanifested pieces with the current PostmarkDate.

Example: You print labels on Thursday, July 3 with <DateAdvance> set to 0, and run your SCAN Request at 5:00 PM PT on the same day. All the labels you printed will be included in the SCAN Response.

Case 2: If you add any filter in the GetSCANFormParameters node (CostCenter, ReferenceID or SearchZip), your request will return all the pieces that match the criteria *and* have the current PostmarkDate.

```
<SCANRequest>
  <CertifiedIntermediary>
    <AccountID>string</AccountID>
    <PassPhrase>string</PassPhrase>
  </CertifiedIntermediary>
  <GetSCANRequestParameters CostCenter="50" />
</SCANRequest>
```

Example: You print labels during the week of Monday June 30 through Saturday July 7, but some have a <CostCenter> value of 30, some 50, and some 70. You can then run your SCAN Request on July 7 using the CostCenter attribute as a filter, which will limit each SCAN Response to only the labels that have both the <PostmarkDate> of July 7 and match the selected CostCenter filter.

Note: Do not list the PicNumbers or TransactionIds or PieceNumbers when you are using filters.

Case 3: If you list transactions in the request (PicNumbers, TransactionIds or PieceNumbers), they must all have the same PostmarkDate, and you can pre-print SCAN Forms in advance.

```
<SCANRequest>
  <CertifiedIntermediary>
    <AccountID>string</AccountID>
    <PassPhrase>string</PassPhrase>
  </CertifiedIntermediary>
  <PicNumbers>
    <PicNumber>940551234567890123456</PicNumber>
    ...
  </PicNumbers>
</SCANRequest>
```

Example: You print labels during the week of Monday June 30 through Saturday July 5 with <DateAdvance> set so that the <PostmarkDate> will be Monday, July 7 for all the labels. You run your SCAN Request, listing all the tracking numbers, at 5:30 PM ET on July 5. All the labels with a <PostmarkDate> of July 7 that you printed from June 30 through July 5 will be included in your SCAN Response.

If one or more of the transactions in the request is already a part of previous SCAN form, a SCAN Form will be generated, but it will exclude the items that were associated with a previous SCAN Form. The excluded items will be contained in the newly added <ExcludedItems> node, which will contain an <Item> element for each item that was not included in the response SCAN Form.

Important Notes

Omitting any value will cause the SCAN Request Web Service to use the default value for that element.

- *Italic* items are optional.
- There is no limit to the number of items that can be included in a SCAN Form.
- Note that SCAN is used to consolidate *multiple* tracking numbers.
- Pickup Service is not integrated with SCAN. Use the Package Pickup Request web method to schedule a pickup.
- For details on the use of <DateAdvance> as it relates to the SCAN Request, see [About Time Zones](#). For a full list of status codes and messages, see [Error Codes](#).

GetSCANRequest XML Syntax

The following table describes the XML tags for GetSCANRequest.

Table 16-1: SCANRequest XML Elements

Element	Type	Size or Values	Description
SCANRequest	Root	-	The root node for the XML request.
RequesterID	String	4	Requester ID (also called Partner ID) uniquely identifies the partner making the request. Endicia assigns this ID.
RequestID	String	50	Request ID that uniquely identifies this request. This will be returned in response.
CertifiedIntermediary	Node		

Element		Type	Size or Values	Description
	AccountID and PassPhrase Or Token	String	7 64 150	Account ID for the Endicia Postage Account Pass Phrase for the Endicia postage account. <i>Security Token. Use only if your account is set up to use the Token. If using the Token, DO NOT supply the AccountID and PassPhrase elements.</i>
	GetSCANRequestParameters	Node		
	ImageFormat	Attribute	PDF, GIF, PNG or JPG	Format of the image returned in base64 format (PDF is default).
	ImageResolution	Attribute	96, 150 or 300	
	SubmissionID	Attribute	25	Submission ID of the form. Enter the SubmissionID of a previously generated SCAN Form to obtain a reprint.
	CostCenter	Attribute	15	Filter: Use to include all pieces with the value contained in the CostCenter element of the Label Request.
	ReferenceID	Attribute	50	Filter: Use to include all pieces with the value contained in the ReferenceID element of the Label Request.
	SearchZip	Attribute	5	Filter: Use to include all pieces with the ZIP Code contained in the FromPostalCode element of the Label Request.
	FormType	Attribute	5630 (Default) 3152	USPS PS-5630 SCAN form USPS PS-3152 SCAN form (for Open and Distribute services)
	The following Name and Address elements default to Endicia account information.			
	FromName	String	50	Name on the form
	FromAddress	String	100	Address on the form
	FromCity	String	50	City on the form
	FromState	String	2	State abbreviation on the form
	FromZipCode	String	5	ZIP Code on the form
	PicNumbers	Node		Container Node For PIC Numbers
	PicNumber	Numeric	31	Package PIC or CustomsNumber
	TransactionsIds	Node		Container Node for TransactionID
	TransactionId	Long	25	Internal (DAZzle and Endicia Professional only)
	PieceNumbers	Node		Container Node for PieceNumber
	PieceNumber	Numeric	25	Corresponds to the TransactionID from the Label Request Response.

The following listing shows a syntax example of the SCANRequest XML for the SCAN Request API.

Listing 16-1: SCANRequest XML

```
<?xml version="1.0" encoding="utf-8"?>
<SCANRequest>
  <RequesterID>string</RequesterID>
  <RequestID>string</RequestID>
  <CertifiedIntermediary>
```

```

    <AccountID>string</AccountID>
    <PassPhrase>string</PassPhrase>
    <Token>string</Token>
  </CertifiedIntermediary>
  <GetSCANRequestParameters ImageResolution="string" ImageFormat="string"
SubmissionID="string" CostCenter="string" FormType="string"
ReferenceID="string" SearchZip="string">
    <FromName>string</FromName>
    <FromCompany>string</FromCompany>
    <FromAddress>string</FromAddress>
    <FromCity>string</FromCity>
    <FromState>string</FromState>
    <FromZip>string</FromZip>
  </GetSCANRequestParameters>
  <PicNumbers>
    <PicNumber>string</PicNumber>
    <PicNumber>string</PicNumber>
  </PicNumbers>
  <TransactionIds>
    <TransactionId>string</TransactionId>
    <TransactionId>string</TransactionId>
  </TransactionIds>
  <PieceNumbers>
    <PieceNumber>string</PieceNumber>
    <PieceNumber>string</PieceNumber>
  </PieceNumbers>
</SCANRequest>

```

SCANResponse XML Syntax

The following table describes the XML tags for SCANResponse.

Table 16-2: SCANResponse XML Elements (XMLInput Parameter)

Element		Type	Size or Values	Description
SCANResponse		Root	-	The root node for the XML response.
	<i>ErrorMessage</i>	<i>String</i>	150	<i>Error Message</i>
	RequesterID	String	4	Return of Requester ID—based on input value.
	RequestID	String	50	Return of Request ID—based on input value.
	SubmissionID	Numeric		Submission ID of the SCAN Form
	SCANForm	String	Base64 encoded image	SCANForm Image
	ExcludedItems	Node		Container for tracking numbers excluded from the response
	Item	String	200	PicNumber or PieceNumber and associated SubmissionID. Each Item will contain the following text: “{PicNumber} or {PieceNumber} associated with SCAN form Submission ID: {SubmissionID}”

The following listing shows an example of the SCANResponse XML.

Listing 16-2: SCANResponse XML

```
<?xml version="1.0" encoding="UTF-8"?>
<SCANResponse>
  <Status>int</Status>
  <ErrorMessage>string</ErrorMessage>
  <RequesterID>string</RequesterID>
  <RequestID>string</RequestID>
  <SubmissionID>string</SubmissionID>
  <SCANForm>string</SCANForm>
  <ExcludedItems>
    <Item>string</Item>
    ...
  </ExcludedItems>
</SCANResponse>
```

Create a New SCAN Form through Your Endicia Account

The following Steps describe how to create SCAN Forms through your Endicia.com account.

Steps

1. Log in to your online Endicia account at <https://www.endicia.com/Account/LogIn/>
2. From the My Account tab, select **Tools > Create a SCAN Form**.
3. Select the mailpieces to include in the request. Include any applicable filters.
4. Click **Continue SCAN Request**.

Create a SCAN form history report through your Endicia account

The following Steps describe how to retrieve past SCAN Forms.

Steps

1. Log in to your online Endicia account at <https://www.endicia.com/Account/LogIn/>
2. From the My Account tab, select **Tools > SCAN Form History**.
3. Select the ID for the date that you want.
4. Select the **SCAN Form** link above the list.
You can reprint any form as well as select the FormID to see a full list of tracking numbers included in the SCAN.

17. REQUESTING PACKAGE PICKUP API'S

This chapter demonstrates an automated Web Service that allows your customers to submit carrier pickup requests more efficiently.

The Package Pickup API's include:

- Package Pickup Availability Request – Checks the availability for package pickup at a specific address. Returns the first available date for pickup.
- Package Pickup Request API – Schedules a package pickup. Returns a confirmation number for the scheduled pickup, the date, and the day of the week scheduled.
- Package Pickup Change Request API – Allows you to change the package pickup.
- Package Pickup Cancel Request API – Allows you to cancel the package pickup.

The USPS accepts a Package Pickup, Change Request, or Cancellation Request until midnight Pacific Time (3:00 A.M. Eastern Time) on the morning of the pickup. After midnight Pacific Time, the USPS offers only an option for the following USPS delivery day.

You can run the Package Pickup Availability Request prior to your actual Package Pickup Request to ensure that the pickup time is suitable for your needs. Pay particular attention to the date that is returned—it will be the next USPS delivery day, which may not be the next calendar day. Remember that Sundays and USPS holidays are not regular delivery days.

For general time zone information, see [About Time Zones](#).

Changes from the Previous Carrier Pickup Request Methods

- Package Pickup Requests do not require a list of tracking numbers as was required for Carrier Pickup Requests. Instead, you can estimate the quantities and total weight.
- PackageLocation options are no longer abbreviated.
- New exceptions 100115 (Failed to create the Package Pickup), and 100116 (Not enough shipments for Package Pickup) have been added.
- MultiLocation CarrierPickup has been deprecated and is no longer supported.

Important Notes About These API's

- *Italic* items are optional.
- Omitting any value will cause the Web Service to use the default value for that element.
- Package Pickup is not available for all addresses. Check with your local Business Mail Entry Unit (BMEU) to learn if online pickup scheduling is available for your address.
- For a full list of status codes and messages, see [Error Codes](#).

The following table describes the Request elements for the Package Availability, Pickup, Change, and Cancel Request API's.

Table 17-1: Package Availability, Pickup, Change, Cancel Request API's XML

Element		Type	Sizes or Values	Description	Avail	Pickup	Change	Cancel
Test		Attribute	YES/NO	Set to YES only if testing on production servers.	--	√	√	√
RequesterID		String	4	Requester ID (also called Partner ID) uniquely identifies the partner making the request. Endicia assigns this ID.	√	√	√	√
RequestID		String	50	Request ID that uniquely identifies this request. This will be returned in response.	√	√	√	√
CertifiedIntermediary		Node						
	AccountID and PassPhrase Or Token	String	7 64 150	Account ID for the Endicia Postage Account Pass Phrase for the Endicia postage account. <i>Security Token. Use only if your account is set up to use the Token. If using the Token, DO NOT supply the AccountID and PassPhrase elements.</i>	√	√	√	√
UseAddressOnFile		String	YES/NO	If NO, PhysicalPickupAddress node is required.	√	√	√	√
PhysicalPickupAddress		Node						
	FirstName	String	0-50	Required	√	√	√	√
	LastName	String	0-50		√	√	√	√
	CompanyName	String	0-50	Optional, except if needed to uniquely identify an address. Some companies that have their own ZIP Codes require the use of company name to properly identify their address.	√	√	√	√
	Address	String	1-50	Change and Cancel Requests must include the exact address information as was used in the Pickup Request.	√	√	√	√
	City	String	1-50		√	√	√	√
	State	String	2		√	√	√	√
	Zip5	String	5		√	√	√	√
	Zip4	String	4		√	√	√	√
	Phone	String	10	Enter numbers only, with no punctuation or spaces.	√	√	√	√
ExpressMailCount		Int	0-999		--	√	√	--

Element	Type	Sizes or Values	Description	Avail	Pickup	Change	Cancel
PriorityMailCount	Int	0-999	At least one package for Express Mail, Priority Mail, or First-Class Package Service. Must specify Returns or International.	--	√	√	--
FirstClassPackageCount	Int	0-999		--	√	√	--
ReturnsCount	Int	0-999		--	√	√	--
InternationalCount	Int	0-999		--	√	√	--
OtherPackagesCount	Int	0-999	All others (Parcel Select Ground, etc.)	--	√	√	--
EstimatedWeightLb	Double	0.0	Cannot exceed what would be the maximum weight for the number of packages. Example: You have 3 packages and enter 300 lbs. Because the absolute maximum that a USPS package can weigh is 70 lbs, an error will be returned.	--	√	√	--
PackageLocation	String	<ul style="list-style-type: none"> • Front Door • Back Door • Side Door • Knock on Door/Ring Bell • Mail Room • Office • Reception • In/At Mailbox • Other 	Choose one option.	--	√	√	--
SpecialInstructions	String	0-255	Special instructions for pickup—Ring Bell, SCAN Form in envelope, and so on.	--	√	√	--
ConfirmationNumber	String	50	Confirmation Number from original request. Required for Change and Cancel Requests.	--	--	√	√

Table 17-2: Package Availability, Pickup, Change, Cancel Response API's XML

Element	Type	Sizes or Values	Description	Avail	Pickup	Change	Cancel
Status	Numeric	0 Error Code	Success Failed. See Error Codes	√	√	√	√
ErrorMessage	String	150	Error Message	√	√	√	√
RequesterID	String	4	Return of Requester ID—based on input value.	√	√	√	√

Element	Type	Sizes or Values	Description	Avail	Pickup	Change	Cancel
RequestID	String	50	Return of Request ID—based on input value.	√	√	√	√
ConfirmationNumber	String		Confirmation number	--	√	√	--
PackagePickup	Node						
DayOfWeek	String	Sunday Monday Tuesday Wednesday Thursday Friday Saturday	Day of the week.	√	√	√	--
Date	String	mm/dd/yyyy	Date in month, date, year format.	√	√	√	--
CarrierRoute	String	1	C = City H = Highway R = Rural	√	√	√	--
PickupStatus	String		Status of the Pickup Request	--	--	--	√

The following listing shows an example of the PackagePickupAvailability Request XML.

Listing 17-1: PackagePickupAvailabilityRequest XML

```
<?xml version="1.0" encoding="utf-8"?>
<PackagePickupAvailabilityRequest >
  <RequesterID>string</RequesterID>
  <RequestID>string</RequestID>
  <CertifiedIntermediary>
    <AccountID>string</AccountID>
    <PassPhrase>string</PassPhrase>
    <Token>string</Token>
  </CertifiedIntermediary>
  <PackageLocation>string</PackageLocation>
  <UseAddressOnFile>string</UseAddressOnFile>
  <PhysicalPickupAddress>
    <FirstName>string</FirstName>
    <LastName>string</LastName>
    <CompanyName>string</CompanyName>
    <SuiteOrApt>string</SuiteOrApt>
    <Address>string</Address>
    <City>string</City>
    <State>string</State>
    <Zip5>string</Zip5>
    <Zip4>string</Zip4>
    <Phone>string</Phone>
    <Extension>string</Extension>
  </PhysicalPickupAddress>
</PackagePickupAvailabilityRequest>
```

Listing 17-2: PackagePickupAvailabilityResponse XML

```
<?xml version="1.0" encoding="UTF-8"?>
<PackagePickupAvailabilityResponse>
  <Status>int</Status>
  <ErrorMessage>string</ErrorMessage>
  <RequesterID>string</RequesterID>
  <RequestID>string</RequestID>
  <PackagePickup>
    <DayOfWeek>string</DayOfWeek>
    <Date>string</Date>
    <CarrierRoute>string</CarrierRoute>
  </PackagePickup>
</PackagePickupAvailabilityResponse>
```

The following listing shows an example of the PackagePickupRequest XML.

Listing 17-3: PackagePickupRequest XML

```
<?xml version="1.0" encoding="utf-8"?>
<PackagePickupRequest Test="string">
  <RequesterID>string</RequesterID>
  <RequestID>string</RequestID>
  <CertifiedIntermediary>
    <AccountID>string</AccountID>
    <PassPhrase>string</PassPhrase>
    <Token>string</Token>
  </CertifiedIntermediary>
  <UseAddressOnFile>string</UseAddressOnFile>
  <PhysicalPickupAddress>
    <FirstName>string</FirstName>
    <LastName>string</LastName>
    <CompanyName>string</CompanyName>
    <SuiteOrApt>string</SuiteOrApt>
    <Address>string</Address>
    <City>string</City>
    <State>string</State>
    <Zip5>string</Zip5>
    <Zip4>string</Zip4>
    <Phone>string</Phone>
    <Extension>string</Extension>
  </PhysicalPickupAddress>
  <ExpressMailCount>int</ExpressMailCount>
  <PriorityMailCount>int</PriorityMailCount>
  <FirstClassPackageCount>int</FirstClassPackageCount>
  <ReturnsCount>int</ReturnsCount>
  <InternationalCount>int</InternationalCount>
  <OtherPackagesCount>int</OtherPackagesCount>
  <EstimatedWeightLb>double</EstimatedWeightLb>
  <PackageLocation>string</PackageLocation>
  <SpecialInstructions>string</SpecialInstructions>
</PackagePickupRequest>
```

The following listing shows an example of the PackagePickupResponse XML.

Listing 17-4: PackagePickupResponse XML

```
<?xml version="1.0" encoding="UTF-8"?>
```

```

<PackagePickupResponse>
  <Status>int</Status>
  <ErrorMessage>string</ErrorMessage>
  <RequesterID>string</RequesterID>
  <RequestID>string</RequestID>
  <ConfirmationNumber>string</ConfirmationNumber>
  <PackagePickup>
    <DayOfWeek>string</DayOfWeek>
    <Date>string</Date>
    <CarrierRoute>string</CarrierRoute>
  </PackagePickup>
</PackagePickupResponse>

```

The following listing shows an example of the PackagePickupChange XML

Listing 17-5: PackagePickupChange XML

```

<?xml version="1.0" encoding="utf-8"?>
<PackagePickupChangeRequest >
  <RequesterID>string</RequesterID>
  <RequestID>string</RequestID>
  <CertifiedIntermediary>
    <AccountID>string</AccountID>
    <PassPhrase>string</PassPhrase>
    <Token>string</Token>
  </CertifiedIntermediary>
  <UseAddressOnFile>string</UseAddressOnFile>
  <PhysicalPickupAddress>
    <FirstName>string</FirstName>
    <LastName>string</LastName>
    <CompanyName>string</CompanyName>
    <Address>string</Address>
    <City>string</City>
    <State>string</State>
    <Zip5>string</Zip5>
    <Phone>string</Phone>
  </PhysicalPickupAddress>
  <ExpressMailCount>int</ExpressMailCount>
  <PriorityMailCount>int</PriorityMailCount>
  <ReturnsCount>int</ReturnsCount>
  <InternationalCount>int</InternationalCount>
  <OtherPackagesCount>int</OtherPackagesCount>
  <EstimatedWeightLb>double</EstimatedWeightLb>
  <PackageLocation>string</PackageLocation>
  <ConfirmationNumber>string</ConfirmationNumber>
</PackagePickupChangeRequest>

```

The following listing shows an example of the PackagePickupChangeResponseXML.

Listing 17-6: PackagePickupChangeResponse XML

```

<?xml version="1.0" encoding="UTF-8"?>
<PackagePickupChangeResponse>
  <Status>int</Status>
  <ErrorMessage>string</ErrorMessage>
  <RequesterID>string</RequesterID>
  <RequestID>string</RequestID>

```

```

<ConfirmationNumber>string</ConfirmationNumber>
<PackagePickup>
  <DayOfWeek>string</DayOfWeek>
  <Date>string</Date>
  <CarrierRoute>string</CarrierRoute>
</PackagePickup>
</PackagePickupChangeResponse>

```

The following listing shows a syntax example of the PackagePickupCancel XML.

Listing 17-7: PackagePickupCancel XML

```

<?xml version="1.0" encoding="utf-8"?>
<PackagePickupCancelRequest Test="string">
  <RequesterID>string</RequesterID>
  <RequestID>string</RequestID>
  <CertifiedIntermediary>
    <AccountID>string</AccountID>
    <PassPhrase>string</PassPhrase>
    <Token>string</Token>
  </CertifiedIntermediary>
  <UseAddressOnFile>string</UseAddressOnFile>
  <PhysicalPickupAddress>
    <FirstName>string</FirstName>
    <LastName>string</LastName>
    <CompanyName>string</CompanyName>
    <SuiteOrApt>string</SuiteOrApt>
    <Address>string</Address>
    <City>string</City>
    <State>string</State>
    <Zip5>string</Zip5>
    <Zip4>string</Zip4>
    <Phone>string</Phone>
    <Extension>string</Extension>
  </PhysicalPickupAddress>
  <ConfirmationNumber>string</ConfirmationNumber>
</PackagePickupCancelRequest>

```

The following listing shows a syntax example of the PackagePickupCancelResponse XML.

Listing 17-8: PackagePickupCancelResponse XML

```

<?xml version="1.0" encoding="UTF-8"?>
<PackagePickupCancelResponse>
  <Status>int</Status>
  <ErrorMessage>string</ErrorMessage>
  <RequesterID>string</RequesterID>
  <RequestID>string</RequestID>
  <ConfirmationNumber>string</ConfirmationNumber>
  <PickupStatus>string</PickupStatus>
</PackagePickupCancelResponse>

```

18. REQUESTING PACKAGE STATUS API

StatusRequest

This chapter demonstrates an automated Web Service that allows your customers to submit status requests more efficiently.

StatusRequest XML Syntax

The following table describes the available elements for StatusRequest API.

Important Notes About All Elements

- Omitting any value will cause the Status Web Service to use the default value for that element.
- *Italic* items are optional.
- You can specify either the PICNumber or the PieceID in a status request. They are both available in the API as search options.
- The FullStatus element can be used to return a complete list of statuses for the requested packages.
- For a full list of status codes and messages, see [Error Codes](#).

Table 18-1: StatusRequest XML Elements

Element	Type	Size or Values	Description
PackageStatusRequest	Root	-	The root node for the XML request.
RequesterID	String	4	Requester ID (also called Partner ID) uniquely identifies the partner making the request. Endicia assigns this ID.
RequestID	String	50	Request ID that uniquely identifies this request. This will be returned in response.
CertifiedIntermediary	Node		
AccountID and PassPhrase Or Token	String	7 64 150	Account ID for the Endicia Postage Account Pass Phrase for the Endicia postage account. <i>Security Token. Use only if your account is set up to use the Token. If using the Token, DO NOT supply the AccountID and PassPhrase elements.</i>
RequestOptions	Node		<i>Use the following attributes to filter the results returned.</i>
CostCenter	Attribute, String		<i>CostCenter or CostCenterAlphanumeric used in the Label Request.</i>
ReferenceID	Attribute, String		<i>ReferenceID used in the Label Request.</i>
PackageStatus	Attribute, String	CURRENT COMPLETE	<i>Returns the current status of the requested packages. Returns the full status history of the requested packages.</i>
StartingTransactionID	String		<i>Specify the starting TransactionID in your request range. See Note 1.</i>
PicNumbers	Node		<i>Specify PicNumbers (PIC from Label Response).</i>

Element		Type	Size or Values	Description
	PicNumber	String		TrackingNumber of the package
	PieceNumbers	Node		Specify PieceNumbers (TransactionID from Label Response).
	PieceNumber	String		
	TransactionIds	Node		Specify TransactionIds (TransactionID from DAZzle or Endicia Professional). Not used for Label Server transactions.
	TransactionId	String		

The following listing shows a syntax example of the StatusRequest XML.

Listing 18-1: StatusRequest XML

```
<?xml version="1.0" encoding="utf-8"?>
<PackageStatusRequest>
  <RequesterID>string</RequesterID>
  <RequestID>string</RequestID>
  <CertifiedIntermediary>
    <AccountID>string</AccountID>
    <PassPhrase>string</PassPhrase>
    <Token>string</Token>
  </CertifiedIntermediary>
  <RequestOptions CostCenter="string" ReferenceID="string"
PackageStatus="CURRENT or COMPLETE" />
  <PicNumbers>
    <PicNumber>string</PicNumber>
    <PicNumber>string</PicNumber>
  </PicNumbers>
  <PieceNumbers>
    <PieceNumber>string</PieceNumber>
    <PieceNumber>string</PieceNumber>
  </PieceNumbers>
  <TransactionIds>
    <TransactionId>string</TransactionId>
    <TransactionId>string</TransactionId>
  </TransactionIds>
</PackageStatusRequest>
```

StatusResponse XML Syntax

The following table describes the XML tags for StatusResponse.

Table 18-2: StatusResponse XML Elements

Element		Type	Size or Values	Description
PackageStatusResponse		Root	-	The root node for the XML response.
	StartingTransactionID	Attribute, String		The first TransactionID returned.
	EndingTransactionID	Attribute, String		The last TransactionID returned.

Element	Type	Size or Values	Description
CompleteDataSet	Attribute, Boolean	T F	True: Response includes the last item in the requested range. False: Additional requests required to complete the requested range. See Note 1.
Status	Numeric	0 Error Code	Success Failed. See Error Codes
ErrorMessage	String	150	Error Message
RequesterID	String	4	Return of Requester ID—based on input value.
RequestID	String	50	Return of Request ID—based on input value.
PackageStatus	Node		
StatusResponse	Node		
PicNumber	String		Tracking number of the label
PieceId	String		Piece Number associated with the label
TransactionID	String		Transaction ID
PackageStatusEventList	Node		Status Event List of the package
StatusEventList	Node		
StatusCode	String		
StatusDescription	String		Returned as a text string.
EventDateTime	String	d/m/yyyy hhr:min:sec AM/PM	Date and Time are local to city and state of event.
TrackingSummary	String		Returned as a text string.
TrackingResults	Node		Returned only when PackageStatus Attribute in Request is COMPLETE.
TrackingResult	Node		
Status	String		Each status event, in descending order, will be returned in this node as a text string.

The following listing shows an example of the StatusResponse XML.

Listing 18-2: StatusResponse XML

```
<?xml version="1.0" encoding="UTF-8"?>
<PackageStatusResponse StartingTransactionID="String"
EndingTransactionID="String" CompleteDataSet="boolean">
  <Status>string</Status>
  <RequesterID>string</RequesterID>
  <RequestID>string</RequestID>
  <PackageStatus>
    <StatusResponse>
      <PicNumber>string</PicNumber>
      <PieceId>string</PieceId>
      <TransactionID>string</TransactionID>
      <PackageStatusEventList>
        <StatusEventList>
          <StatusCode>string</StatusCode>
          <StatusDescription>string</StatusDescription>
```

```

    <EventDateTime>string</EventDateTime>
    <TrackingSummary>string</TrackingSummary>
    <TrackingResults>
      <TrackingResult Status="string" />
    </TrackingResults>
  </StatusEventList>
</PackageStatusEventList>
</StatusResponse>
</PackageStatus>
</PackageStatusResponse>

```

Notes:

1. Not all transactions may be returned in the initial response. When this is the case, the 'CompleteDataSet' attribute will be 'false' and the 'EndingTransactionID' will indicate the last TransactionID in the response. In this case, resubmit the Package Status Request using the same parameters, adding the *StartingTransactionID* attribute containing the value returned in the *EndingTransactionID* + 1 (ex. *EndingTransactionID*="2100" in Response – enter *StartingTransactionID*="2101" in subsequent Request. Continue this process until *CompleteDataSet* returns 'true'.

Status Code Definitions

Note: These are not exact definitions. Status Codes in parentheses () indicate an Endicia internal code.

Status Code String	Status Message
(-1)	Not Found
(0)	Found – No Status
(A)	Logged at USPS
C	Customer Recall
D	Delivered
E	Dead Letter
F	Forwarded to New Address
(I)	Scanned in Route
L	Notice Left for Recipient
(N)	New Item
O	Out for Delivery
P	Available for Pickup
R	Returned to Sender
U	Undeliverable
V	Delivery Status Not Updated

Status Code String	Status Message
(X)	Other

Obtain Package Status Information Through Your Endicia.com Account

The following Steps describe how to obtain package status information through your Endicia.com account.

Steps

1. [Log in to your Endicia.com account.](#)
2. From the My Account tab, select **Reports > Account Transactions**.
The following search criteria are available:
 - Month
 - Period

You can filter the items included in the response by selecting from the two Show lists, and order the transactions in ascending or descending order according to several criteria.

3. To view the data in a spreadsheet instead of on the page, select the **Export to Spreadsheet** check box.
Tip! The search results are limited to the most recent 1,000 transactions. If you require more transactions, you can narrow the date range and merge multiple spreadsheets.
4. To see a graphical representation of your delivery statistics, select **Reports > Delivery Statistics** from the My Account tab.

Link to Package Status Information

You can also use either of the two following URLs to obtain tracking information:

- <http://www.endicia.com/Status/?PIC=TRACKINGNUMBERHERE>
- <https://tools.usps.com/go/TrackConfirmAction!input.action?tRef=qt&tLc=1&tLabels=TRACKINGNUMBERHERE>

Note: The USPS URL may have more current information.

19. REQUESTING TRANSACTION LISTS API

GetTransactionsListing

This chapter demonstrates an automated Web Service that allows your customers to get transaction listings more efficiently.

GetTransactionsListing XML Syntax

The following table describes the elements for GetTransactionsListing API.

Important Notes About All Elements:

- Omitting any value will cause the Get Transactions Listing Web Service to use the default value for that element.
- *Italic* items are optional.
- Use only one means of identifying transactions among the PicNumbers, PieceNumbers, and TransactionIds nodes. For example, there is no need to provide both the PicNumber *and* the TransactionId to identify the same item.
- By default, Label Server searches the past 30 days of transaction history. You can specify earlier date ranges in 30 day increments.
- For a full list of status codes and messages, see [Error Codes](#).

Table 19-1: GetTransactionsListing XML Elements

Element	Type	Size or Values	Description
GetTransactionsListingRequest	Root	-	The root node for the XML request.
RequesterID	String	4	Requester ID (also called Partner ID) uniquely identifies the partner making the request. Endicia assigns this ID.
RequestID	String	50	Request ID that uniquely identifies this request. This will be returned in response.
CertifiedIntermediary	Node		
AccountID <i>and</i> PassPhrase <i>Or</i> Token	String	7 64 150	Account ID for the Endicia Postage Account Pass Phrase for the Endicia postage account. <i>Security Token. Use only if your account is set up to use the Token. If using the Token, DO NOT supply the AccountID and PassPhrase elements.</i>
RequestOptions	Node		Use the following attributes to filter the criteria for the request.
CostCenter	Attribute		
ReferenceID	Attribute		
StartDateTime	Attribute	mm/dd/yyyy hh:mm:ss AM/PM	Example: 02/15/2015 00:00:00 AM
EndDateTime	Attribute	mm/dd/yyyy hh:mm:ss AM/PM	Example: 02/28/2015 11:59:59 PM
ShipFromZip	Attribute	5	Five-digit originating ZIP Code
ShipToZip	Attribute	5	Five-digit destination ZIP Code or Postal Code

Element	Type	Size or Values	Description
<i>StartingTransactionID</i>	Attribute		
<i>TransactionType</i>	Attribute	ALL PRINTS PURCHASE	Returns all packages for the specified parameters. Returns only postage prints. Returns only postage purchases.
<i>RefundStatus</i>	Attribute	ALL SUBMITTED VALIDATED REJECTED REFUNDED MANUAL	Returns all packages for the specified parameters. Returns packages with a SUBMITTED status. Returns packages with a VALIDATED status. Returns packages with a REJECTED status. Returns packages with a REFUNDED status. Returns packages with for which a MANUAL Refund Request was submitted.
<i>PicNumbers</i>	Node		
<i>PIC</i>	String		
<i>PieceNumbers</i>	Node		
<i>PieceID</i>	String		
<i>TransactionIDs</i>	Node		
<i>TransactionID</i>	String		
<i>CostCenters</i>	Node		
<i>CostCenterID</i>	String		
<i>IncludeTracking</i>	String	Y N	Include tracking information in response (Default) Do not include tracking information)
<i>IncludeFromAddress</i>	String	N Y	Do not include return address information (Default) Include return address information in response

The following listing shows a syntax example of the StatusRequest XML.

Listing 19-1: GetTransactionsListing XML

```
<?xml version="1.0" encoding="utf-8"?>
<GetTransactionsListingRequest>
  <RequesterID>string</RequesterID>
  <RequestID>string</RequestID>
  <CertifiedIntermediary>
    <AccountID>string</AccountID>
    <PassPhrase>string</PassPhrase>
    <Token>string</Token>
  </CertifiedIntermediary>
  <RequestOptions CostCenter="string" StartDateTime="string"
EndDateTime="string" ShipFromZip="string" ShipToZip="string"
ReferenceID="string" TransactionType="ALL or PRINTS or PURCHASE"
StartingTransactionID="string" RefundStatus="ALL or SUBMITTED or VALIDATED or
REJECTED or REFUNDED or MANUAL" />
  <PicNumbers>
```

```

    <PIC>string</PIC>
  </PicNumbers>
  <PieceIDs>
    <PieceID>string</PieceID>
  </PieceIDs>
  <TransactionIDs>
    <TransactionID>string</TransactionID>
  </TransactionIDs>
  <CostCenters>
    <CostCenterID>string</CostCenterID>
  </CostCenters>
  <IncludeTracking>string</IncludeTracking>
  <IncludeFromAddress>string</IncludeFromAddress>
</GetTransactionsListingRequest>

```

TransactionsListingResponse XML Syntax

The following table describes the XML tags for TransactionsListingResponse.

Table 19-2: GetTransactionsListing Response XML Elements

Element	Type	Size or Values	Description
TransactionsListingResponse	Root	-	The root node for the XML response.
StartingTransactionID	Attribute		
EndingTransactionID	Attribute		
CompleteDataSet	Attribute		
Status	Numeric	0 Error Code	Success Failed. See Error Codes
ErrorMessage	String	150	Error Message
RequesterID	String	4	Return of Requester ID—based on input value.
RequestID	String	50	Return of Request ID—based on input value.
TransactionsResults	Node		
Transaction	Node		
TransactionType	Attribute	PRINT PURCHASE	
TransactionDateTime	Attribute		
PostmarkDate	Attribute		
RefundStatus	Attribute		
PIC	String		
TransactionID	String		
PieceID	String		
Amount	String		
Weight	String		
MailClass	String		
ToAddress	Node		Validated Addressee information
Company	String		
Name	String		
Phone	String		
Email	String		

Element			Type	Size or Values	Description
		AddressLines	Node		
		AddressLine1... AddressLine4	String		Address lines in validated address
		City	String		
		State	String		
		PostalCode	String		
		Zip4	String		
		FromAddress	Node		Validated Return address information
		Company	String		
		Name	String		
		Phone	String		
		Email	String		
		AddressLines	Node		Address lines in validated return address
		AddressLine1... AddressLine4	String		
		City	String		
		State	String		
		PostalCode	String		
		Zip4	String		
		CostCenter			
		ReferenceID			
		RetailAccountID			
		RetailAmount			
		ContractID			
		Status			
		StatusEvent	String		Status Code for most recent event
		StatusDescription	String		Status Description for most recent event
		DeliveryDateTime	String		If delivered, the delivery date and time
		Zone	String	0-9	The USPS Zone for the shipment
		CubicFt	Numeric	0.00	If the transaction was priced at Priority Mail Cubic rates, this element will show the Cubic Feet Tier.
		RefundDetails	Node		Refund details node
		RefundRequestDateTime	Date/Time	MM/DD/YYYY HH:MM:SS	The date and time of the request (UTC)
		RefundRequestType	String	Electronic Physical	How the refund request was initiated
		RefundRequestBy	String	User System	By whom the refund request was initiated by API or Endicia.com website request. System indicates the refund was initiated by Auto-Refund Service.
		RefundStatus	String	Submitted Validated Rejected Refunded	Current status of the request
		RefundProcessedTimeDate	Date/Time	MM/DD/YYYY HH:MM:SS	The date and time the request was processed by USPS (UTC)
		RefundAmount	Numeric	4.3	Amount refunded to the customer's account
		ResponseOptions	Node		Parameters from request.

Element		Type	Size or Values	Description
	<i>StartDateTime</i>	Attribute	dd/mm/yy hh:mm:ss AM/PM	
	<i>EndDateTime</i>	Attribute	dd/mm/yy hh:mm:ss AM/PM	

The following listing shows an example of the GetTransactionsListing Response XML.

Listing 19-2: GetTransactionsListing Response XML

```
<?xml version="1.0" encoding="utf-8"?>
<TransactionsListingResponse StartingTransactionID="long" EndingTransactionID="long"
CompleteDataSet="boolean">
  <Status>int</Status>
  <ErrorMessage>string</ErrorMessage>
  <RequesterID>string</RequesterID>
  <RequestID>string</RequestID>
  <TransactionsResults>
    <Transaction TransactionType="PRINT or PURCHASE" TransactionDateTime="string"
PostmarkDate="string" RefundStatus="string">
      <PIC>string</PIC>
      <TransactionID>long</TransactionID>
      <PieceID>string</PieceID>
      <Amount>string</Amount>
      <Weight>string</Weight>
      <MailClass>string</MailClass>
      <ToAddress>
        <Company>String</Company>
        <Name>String</Name>
        <Phone>String</Phone>
        <Email>String</Email>
        <AddressLines>
          <AddressLine1>String</AddressLine1>
          <AddressLine2>String</AddressLine2>
        </AddressLines>
        <City>String</City>
        <State>String</State>
        <PostalCode>String</PostalCode>
        <Zip4>String</Zip4>
      </ToAddress>
      <FromAddress>
        <Company>String</Company>
        <Name>String</Name>
        <Phone>String</Phone>
        <Email>String</Email>
```



```

        <AddressLines>
            <AddressLine1>String</AddressLine1>
        </AddressLines>
        <City>String</City>
        <State>String</State>
        <PostalCode>String</PostalCode>
        <Zip4>String</Zip4>
    </FromAddress>
    <CostCenter>string</CostCenter>
    <ReferenceID>string</ReferenceID>
    <RetailAccountID>string</RetailAccountID>
    <RetailAmount>string</RetailAmount>
    <ContractID>string</ContractID>
    <Status>
        <StatusEvent>String</StatusEvent>
        <StatusDescription>String</StatusDescription>
        <DeliveryDateTime>String</DeliveryDateTime>
    </Status>
    <Zone>6</Zone>
    <CubicFt>0.00</CubicFt>
    <RefundDetails>
        <RefundRequestedDateTime>07/25/2016 5:15:00</RefundRequestedDateTime>
        <RefundRequestType>Electronic</RefundRequestType>
        <RefundRequestedBy>User</RefundRequestedBy>
        <RefundStatus>Refunded</RefundStatus>
        <RefundProcessedDateTime>08/11/2016 01:39:38</RefundProcessedDateTime>
        <RefundedAmount>$5.60</RefundedAmount>
    </RefundDetails>
</Transaction>
</TransactionsResults>
<ResponseOptions StartDateTime="string" EndDateTime="string" />
</TransactionsListingResponse>
</GetTransactionsListingResponse>

```

GetTransactionsListing Refund Code and Refund Status

Refund Code	Refund Status
X	Refund Submitted
Y	Refund Validated
R	Refund Rejected
A, C, S, U	Refunded
M	Manual Refund

View a Listing of Transactions through Your Endicia.com Account

The following Steps describe how to view your transaction listings through your endicia.com account.

Steps

1. [Log in to your endicia.com account.](#)
2. From the My Account tab, select **My Account > Reports > Account Transactions**.
3. Enter the criteria for your search, such as date range, tracking number and click **Go**.
4. For each type of transaction, you can:
 - a. Specify a date or date range.
 - b. Show transaction details or summaries, or transactions by a mail class chart.
 - c. Sort the report in ascending or descending order by transaction, date, destination, type, authorization number, mail class, amount, or status.

The Account Transaction Report lets you search and track the packages that you have printed when you do not have access to the Endicia application, such as when you are away from the office.

20. REQUESTING A REFUND API

RefundRequest

If you are developing software for use by multiple customers and thus will be maintaining multiple accounts, this chapter demonstrates an automated Web Service that allows your customers to submit refund requests more efficiently.

RefundRequest XML Syntax

The following table describes the request elements for the RefundRequest API.

Important Notes About All Elements

- Omitting any value causes the Refund Web Service to use the default value for that element.
- *Italic* items are optional.
- You do not need both the PICNumber and PieceID for a refund, only one or the other. They are both in the API as available options.
- For a full list of status codes and messages, see [Error Codes](#).

Table 20-1: RefundRequest XML Elements

Element		Type	Size or Values	Description
RefundRequest		Root	-	The root node for the XML request.
	RequesterID	String	4	Requester ID (also called Partner ID) uniquely identifies the partner making the request. Endicia assigns this ID.
	RequestID	String	50	Request ID that uniquely identifies this request. This will be returned in response.
	CertifiedIntermediary			
	AccountID and PassPhrase Or Token	String	7 64 150	Account ID for the Endicia Postage Account Pass Phrase for the Endicia postage account. <i>Security Token. Use only if your account is set up to use the Token. If using the Token, DO NOT supply the AccountID and PassPhrase elements.</i>
	PicNumbers	Node		Container Node for PIC Numbers
	PicNumber	Numeric	31	Package PIC or CustomsNumber
	TransactionsIds	Node		Container Node for TransactionID (DAZzle and Endicia Professional only)
	TransactionId	Long	25	Internal (DAZzle and Endicia Professional only)
	PieceNumbers	Node		Container Node for PieceNumber
	PieceNumber	Numeric	25	Corresponds to the TransactionID from the Label Request Response.

The following listing shows an example of the RefundRequest XML for the Refund Request API.

Listing 20-1: RefundRequest XML

```
<?xml version="1.0" encoding="utf-8"?>
<RefundRequest>
  <RequesterID>string</RequesterID>
```

```

<RequestID>string</RequestID>
<CertifiedIntermediary>
  <AccountID>string</AccountID>
  <PassPhrase>string</PassPhrase>
  <Token>string</Token>
</CertifiedIntermediary>
<PicNumbers>
  <PicNumber>string</PicNumber>
</PicNumbers>
<TransactionIds>
  <TransactionId>long</TransactionId>
</TransactionIds>
<PieceNumbers>
  <PieceNumber>int</PieceNumber>
</PieceNumbers>
</RefundRequest>

```

RefundResponse XML Syntax

The following table describes the XML tags for RefundResponse.

Table 20-2: RefundResponse XML Elements (XMLInput Parameter)

Element		Type	Size or Values	Description
RefundResponse		Root	-	The root node for the XML response.
	ErrorMessage	String	-	Account Login Error Message
	RequesterID	String	-	
	RequestID	String	-	
	Refund	Node	-	Container Node For the Refund List
	PicNumber	Attribute, String	31	Package PIC Number
	TransactionId	Attribute, Long		
	PieceNumber	Attribute, Int		
	RefundStatus	String	Approved	Request approved
			DeniedInvalid	Request denied or invalid
	RefundStatusMessage	String		If disapproved, this indicates why.
	FormId	String		Form Number for Refund Request

The following listing shows an example of the RefundResponse XML (XMLInput Parameter).

Listing 20-2: RefundResponse XML (XMLInput Parameter)

```

<?xml version="1.0" encoding="UTF-8"?>
<RefundResponse>
  <AccountID>string</AccountID>
  <ErrorMessage>string</ErrorMessage>
  <RequesterID>string</RequesterID>
  <RequestID>string</RequestID>
  <Refund PicNumber="string" TransactionId="Long" PieceNumber="Int" >
    <RefundStatus>string</RefundStatus>

```

```
<RefundStatusMessage>string</RefundStatusMessage>
</Refund>
<FormId>string</FormId>
</RefundResponse>
```

Request Refunds through Your Endicia.com Account

The following Steps describe how to request refunds through your endicia.com account.

Steps

1. [Log in to your endicia.com account.](#)
2. From the My Account tab, select **Tools > Request a Postage Refund.**
3. Enter the criteria for your search, such as destination ZIP Code and date, tracking number, or date range.
4. Click **Go.**
5. In the left column, select the check boxes for the tracking numbers that you are requesting and click **Select Refund Request.**
6. Complete the process by clicking **Preview Refund Request** and then click **Submit Refund Request.**

View the Status of Previously Requested Refunds

The following Steps describe how to view the status of previously requested refunds.

Steps

1. [Log in to your endicia.com account.](#)
2. From the My Account tab, select **Reports > Refund Request History.**
3. To see the individual pieces included in each request, click the **Form ID.**

Use the URL Method to Request a Refund

This is appropriate for creating one refund through a web browser that the Partner would either integrate into their site using a frame or open to a new window to our site. It is, however, a manual process.

[https://www.endicia.com/ELS/RefundStart.cfm?accountnumber=xxxxxx&webpassword=xxxxxx\(&postageidentifier\)=xxxxxxxxxxxx](https://www.endicia.com/ELS/RefundStart.cfm?accountnumber=xxxxxx&webpassword=xxxxxx(&postageidentifier)=xxxxxxxxxxxx) where:

- &accountnumber is the users account number
- &webpassword is the user's Internet Password and
- (&postageidentifier) is *one* of three ways to identify the shipment:
 - &transactionid=91xxxxxxxxxxxxxxxx (picnumber)
 - &pieceid=xxxxxx (PieceNumber)
 - &customsid=xxxxxxxxxx (the customs ID number)

Note: Use &customsid only for international shipments, where the customs ID number has been stored for tracking.

Sign up for Endicia Auto-Refund Service

The Endicia Auto-Refund Service automatically identifies shipping labels that may be eligible for refunds from the US Postal Service. After the USPS has approved the refund, your postage account will be updated with the refunded amount.

The following Steps describe how to set up Auto-Refund Service through your endicia.com account.

Steps

1. [Log in to your endicia.com account.](#)
2. From the My Account tab, select **Update Profile >.Auto-Refund Service.**
3. Read the Terms and Conditions, and any addendums, and then select the check box to indicate your agreement.
4. Enter an email address for notifications.
5. Optional: Select the check box to receive weekly notifications.
6. Click **Submit.**

21. FILING AN INSURANCE CLAIM API

CreateInsuranceClaim

This chapter demonstrates an automated Web Service that allows your customers to submit insurance claims for packages that included Endicia Insurance service.

CreateInsuranceClaim XML Syntax

The following table describes the available elements for CreateInsuranceClaim API.

Important Notes About All Elements

- Omitting any value will cause the Status Web Service to use the default value for that element.
- *Italic* items are optional.
- USPS Insurance claims are not supported.

Table 21-1: CreateInsuranceClaim XML Elements

Element	Type	Size or Values	Description
CreateInsuranceClaim	Root	-	The root node for the XML request.
Request	Node	-	Request node. Each individual claim can be contained within a node to support multiple claims in a single request.
AccountID	Numeric	7	Account ID for the Endicia Postage Account
PassPhrase	String	64	Pass Phrase for the account
AmountClaimed	Double	7.2	For future use <i>Note:</i> Claim amount is the insured package value that was specified during label creation.
AmountPaidByCarrier	Double	7.2	Amount paid by carrier
AmountRecovered	Double	7.2	Amount recovered
ClaimDamagelsRepairable	Boolean	0 1	False—Claim damage is NOT repairable. True—Claim damage IS repairable.
ClaimItemDescription	String	64	Description of item claimed
ClaimPayee	String	Client Shipper Consignee	Claim payee
ClaimType	String	Loss Damage Shortage	Claim type
ClaimDamageDescription	String	64	Damage description of the item claimed. This element is conditionally mandatory if <ClaimType> = "Damage"
ClaimantAddress	String	64	Claimant address
ClaimantCity	String	64	Claimant city
ClaimantState	String	2	Two-digit state code
ClaimantZip	String	10	Five-digit ZIP Code or 10-Digit ZIP+4

Element	Type	Size or Values	Description
<i>ClaimantCountry</i>	String	2	Two-digit ISO country code. See Country Code Listing
<i>ClaimantCompany</i>	String	64	Claimant company name
<i>ClaimantContact</i>	String	64	Claimant contact name
<i>ClaimantEmail</i>	String	64	Claimant email ID
<i>ClaimantPhone</i>	String	64	Claimant phone number
<i>ConsigneeName</i>	String	64	Consignee name
<i>ShipperName</i>	String	64	Shipper name
<i>TrackingNumber</i>	String	64	USPS tracking number of the claim package

The following listing shows a syntax example of the CreateInsuranceClaim XML.

Listing 21-1: CreateInsuranceClaim XML

```
<?xml version="1.0" encoding="utf-8"?>
<CreateInsuranceClaim>
  <request>
    <AccountId>string</AccountId>
    <PassPhrase>string</PassPhrase>
    <AmountClaimed>Double</AmountClaimed>
    <AmountPaidByCarrier>Double</AmountPaidByCarrier>
    <AmountRecovered>Double</AmountRecovered>
    <ClaimDamageDescription>String</ClaimDamageDescription>
    <ClaimDamageIsRepairable>Boolean</ClaimDamageIsRepairable>
    <ClaimItemDescription>String</ClaimItemDescription>
    <ClaimPayee>String</ClaimPayee>
    <ClaimType>String</ClaimType>
    <ClaimantAddress>String</ClaimantAddress>
    <ClaimantCity>String</ClaimantCity>
    <ClaimantState>String</ClaimantState>
    <ClaimantZip>String</ClaimantZip>
    <ClaimantCountry>String</ClaimantCountry>
    <ClaimantCompany>String</ClaimantCompany>
    <ClaimantContact>String</ClaimantContact>
    <ClaimantEmail>String</ClaimantEmail>
    <ClaimantPhone>String</ClaimantPhone>
    <ConsigneeName>String</ConsigneeName>
    <ShipperName>String</ShipperName>
    <TrackingId>String</TrackingId>
    <TrackingNumber>String</TrackingNumber>
  </request>
</CreateInsuranceClaim>
```

CreateInsuranceClaimResponse XML Syntax

The following table describes the XML tags for CreateInsuranceClaimResponse.

Table 21-2: CreateInsuranceClaimResponse XML Elements

Element	Type	Size or Values	Description
CreateInsuranceClaimResponse	Root	-	The root node for the XML response.

Element	Type	Size or Values	Description
InsuranceClaim	Node		Container for each claim
StatusResponse	Node		
CheckNumber	String		Issued by the insurance service provider
ClaimAmount	Double		Amount finalized by the insurance service provider
ClaimDate	Date		Claim date
EndiciaClaimId	String		Endicia claim ID
FileDate	Date		Claim file date
InsuranceProviderClaimId	String		Claim ID issued by the insurance service provider
PaidAmount	Double		Claim amount paid
PaidDate	Date		Claim paid date
ResolutionDate	Date		Resolution date
TrackingNumber	String		USPS tracking number of the claim package

The following listing shows an example of the CreateInsuranceClaimResponse XML.

Listing 21-2: CreateInsuranceClaimResponse XML

```
<?xml version="1.0" encoding="UTF-8"?>
<CreateInsuranceClaimResponse>
  <InsuranceClaim>
    <CheckNumber>String</CheckNumber>
    <ClaimAmount>Double</ClaimAmount>
    <ClaimDate>Date</ClaimDate>
    <EndiciaClaimId>String</EndiciaClaimId>
    <FileDate>Date</FileDate>
    <InsuranceProviderClaimId>String</InsuranceProviderClaimId>
    <PaidAmount>Double</PaidAmount>
    <PaidDate>Date</PaidDate>
    <ResolutionDate>Date</ResolutionDate>
    <TrackingNumber>String</TrackingNumber>
  </InsuranceClaim>
</CreateInsuranceClaimResponse>
```

File and Insurance Claim through Your Endicia.com Account

The following Steps describe how to file your Endicia Insurance Claim through your endicia.com account.

Steps

1. Log in to your [online Endicia account](#).
2. From the My Account tab, select **Tools > File an Insurance Claim**.
3. Enter the criteria for your search, such as destination ZIP Code and date, tracking number, or date range.
4. Click **Go**.
5. In the left column, select the option button for the tracking number that you are requesting, select a claim type, and click **File a New Claim**.
6. Review the auto-filled form items for accuracy and make changes as needed.

7. Complete the **Package and Claim Information** section, and enter your full name and date of claim filing in the Signature section.
8. Select the check box in the Notice window to certify the accuracy of your claim and validate your electronic signature.
9. Click **Submit** to complete the process.

22. SIGNING UP FOR AN ACCOUNT API

GetUserSignup

GetUserSignup is required for most Partner integrations and can also be used for managing multiple locations and other relationships where more than one account would be needed.

GetUserSignup allows your customers to sign up for accounts directly through your interface. You can collect all the needed information and submit it through this API. In return, you will get an acknowledgement response back, containing the assigned account number. The account number will also be sent to the customer in an email message.

Important Notes

- Omitting any value will cause the Account Signup API to use the default value for that element.
- *Italic* items are optional.
- For a full list of status codes and messages, see [Error Codes](#).

Important Notes About Certain Elements

- **CompanyName:** The # symbol will be replaced with "No".
- **PhoneNumber, PhoneNumberExtension, PhysicalZipCode, MailingZipCode, and FaxNumber:** Spaces, dashes, and periods will be stripped.

GetUserSignup XML Syntax

The following table describes the XML tags for GetUserSignup.

Table 22-1: UserSignUpRequestXML Elements (XMLInput Parameter)

Element	Type	Size or Values	Description
UserSignUpRequest	Root	-	The root node for the XML request.
<i>TokenRequested</i>	<i>Attribute, Boolean</i>	<i>true</i> <i>false</i>	<i>Returns a security token to be used in account API requests. Used in lieu of PassPhrase. Unique to the AccountID created in the response.</i> <i>Default—do not return security token</i>
RequesterID	String	4	Requester ID (also called Partner ID) uniquely identifies the partner making the request. Endicia assigns this ID.
RequestID	String	50	Request ID that uniquely identifies this request. This will be returned in response.
FirstName	String	25	Customer's first name Note: The USPS requires that a real name is entered into the name elements.
<i>MiddleName</i>	<i>String</i>	<i>25</i>	<i>Customer's middle name</i>
LastName	String	50	Customer's last name
<i>Title</i>	<i>String</i>	<i>50</i>	<i>Customer's contact title</i>

Element	Type	Size or Values	Description
EmailAddress	String	120	Customer's email address
PhoneNumber	String	0-9 (xxx-xxx-xxxx)	Customer's phone number
PhoneNumberExt	String	10	Customer's phone extension
FaxNumber	String	0-9	Customer's fax number
BillingType	String	TS	Type of billing (TS Default for LABELSERVER Product)
PartnerID	String	50	PartnerID (also called Requester ID) uniquely identifies the system making the request. Endicia assigns this ID.
OriginatingIpAddress	String	20	Customer's IP Address
Contracts	Node		Contract ID for custom rate cards
ContractId	String	30	Maximum two: one for domestic rates and one for international rates
AccountCredentials	Node		
WebPassword	String	17	Customer's Internet Password (Needs to be greater than eight characters)
TemporaryPassPhrase	String	64	Customer's account Pass Phrase (Needs to be greater than eight characters, and different from the Web Password)
SecurityQuestion	String	50	Question to be asked if the password is forgotten (Needs to be at least 5 characters)
SecurityAnswer	String	50	The answer to the security question (Must be at least 5 characters)
CreditCard	Node		If <i>PaymentDetailsDeferred</i> is TRUE, this node is not required.
CreditCardNumber	String	0-9	Credit card number
CreditCardType	String	Visa Mastercard AmericanExpress CarteBlanche Discover DinersClub	Credit card type
CreditCardMonth	String	January - December	Credit card expiration month name
CreditCardYear	String	4	Four-digit representation of the credit card expiration year
CreditCardAddress	String	50	Address used with credit card
CreditCardCity	String	50	City used for the credit card
CreditCardState	String	2	State used with the credit card
CreditCardZip5	String	5	ZIP Code used with the credit card
CreditCardCVV	String	5	3 or 4 digit card verification value or security code
CreditCardCountryCode	String	2	2 digit ISO country code of the credit card address
CheckingAccount	Node		

Element		Type	Size or Values	Description
	AccountNumber	String	0-15	Checking account number (Required if Payment Type is ACH)
	RoutingNumber	String	0-15	Routing number of checking account (Required if payment type is ACH)
	PhysicalAddress	Node		
	FirstName	String	25	Customer's first name
	LastName	String	50	Customer's last name
	CompanyName	String	50	Customer's company name
	SuiteOrApt	String	15	Customer's physical suite or apt.
	Address	String	50	Customer's physical address
	City	String	50	Customer's physical city
	State	String	2	Customer's physical state
	Zip5	String	5	Customer's physical ZIP Code
	Zip4	String	4	Customer's physical +4
	Phone	String	0-9 (xxx-xxx-xxxx)	Customer's phone, if different
	Extension	String	10	Customers extension, if different
	MailingAddress	Node		Customer's mailing address (if different than physical address)
	FirstName	String	25	Customer's first name
	LastName	String	50	Customer's last name
	CompanyName	String	50	Customer's company name
	SuiteOrApt	String	15	Customer's mailing suite or apt.
	Address	String	50	Customer's mailing address
	City	String	50	Customer's mailing city
	State	String	2	Customer's mailing state
	Zip5	String	5	Customer's mailing ZIP Code
	Zip4	String	4	Customer's mailing +4
	Phone	String	0-9 (xxx-xxx-xxxx)	Customer's phone, if different
	Extension	String	10	Customers extension, if different
	PaymentDetailsDeferred	Boolean	true	Customer can obtain rates but cannot buy postage or print labels.
			false	Default. Customer can access all features based on BillingType.
	USPSRep	String	10	
	DedicatedResellerAccount	Boolean	true	Internal use – do not submit this element in your request.
			false	

Element	Type	Size or Values	Description
ICertify	Boolean	true false	I certify that all information provided above is accurate and truthful. I also certify that I have read and understood the following: <ul style="list-style-type: none"> • United States Postal Service Privacy Act Statement • PC Postage Privacy Principles • Endicia Terms and Conditions • Acknowledgement of Deposit Requirement • USPS Policy Regarding Shortpaid and Unpaid Postage

The following listing shows a syntax example of the UserSignUpRequest XML for the Account Signup API.

Listing 22-1: UserSignUpRequest XML (XMLInput Parameter)

```
<?xml version="1.0" encoding="utf-8"?>
<UserSignUpRequest TokenRequested=boolean>
  <RequesterID>string</RequesterID>
  <RequestID>string</RequestID>
  <FirstName>string</FirstName>
  <LastName>string</LastName>
  <MiddleName>string</MiddleName>
  <Title>string</Title>
  <EmailAddress>string</EmailAddress>
  <PhoneNumber>string</PhoneNumber>
  <PhoneNumberExt>string</PhoneNumberExt>
  <FaxNumber>string</FaxNumber>
  <BillingType>string</BillingType>
  <PartnerID>string</PartnerID>
  <OriginatingIpAddress>string</OriginatingIpAddress>
  <Contracts>
    <ContractId>string</ContractId>
    <ContractId>string</ContractId>
  </Contracts>
  <AccountCredentials>
    <WebPassword>string</WebPassword>
    <TemporaryPassPhrase>string</TemporaryPassPhrase>
    <SecurityQuestion>string</SecurityQuestion>
    <SecurityAnswer>string</SecurityAnswer>
  </AccountCredentials>
  <CreditCard>
    <CreditCardNumber>string</CreditCardNumber>
    <CreditCardType>string</CreditCardType>
    <CreditCardMonth>string</CreditCardMonth>
    <CreditCardYear>int</CreditCardYear>
    <CreditCardAddress>string</CreditCardAddress>
    <CreditCardCity>string</CreditCardCity>
    <CreditCardState>string</CreditCardState>
    <CreditCardZip5>string</CreditCardZip5>
  </CreditCard>
  <CheckingAccount>
```

```

    <AccountNumber>string</AccountNumber>
    <RoutingNumber>string</RoutingNumber>
</CheckingAccount>
<PhysicalAddress>
    <FirstName>string</FirstName>
    <LastName>string</LastName>
    <CompanyName>string</CompanyName>
    <SuiteOrApt>string</SuiteOrApt>
    <Address>string</Address>
    <City>string</City>
    <State>string</State>
    <Zip5>string</Zip5>
    <Zip4>string</Zip4>
    <Phone>string</Phone>
    <Extension>string</Extension>
</PhysicalAddress>
<MailingAddress>
    <FirstName>string</FirstName>
    <LastName>string</LastName>
    <CompanyName>string</CompanyName>
    <SuiteOrApt>string</SuiteOrApt>
    <Address>string</Address>
    <State>string</State>
    <Zip5>string</Zip5>
    <Zip4>string</Zip4>
    <Phone>string</Phone>
    <Extension>string</Extension>
</MailingAddress>
<PaymentDetailsDeferred>boolean</PaymentDetailsDeferred>
<USPSRep>string</USPSRep>
<DedicatedResellerAccount>boolean</DedicatedResellerAccount>
<ICertify>boolean</ICertify>
</UserSignUpRequest>

```

UserSignUpResponse XML Syntax

The following table describes the XML tags for UserSignUpResponse.

Table 22-2: UserSignUpResponse XML Elements

Element	Type	Size or Values	Description
UserSignUpResponse	Root	-	The root node for the XML response.
<i>ErrorMessage</i>	<i>String</i>	<i>150</i>	<i>Error Message</i>
RequesterID	String	4	Return of Requester ID—based on input value.
RequestID	String	50	Return of Request ID—based on input value.
ConfirmationNumber	Long	6	Confirmation Number of sign-up
AccountID	Long	7	Account Number for new account.
<i>Token</i>	<i>String</i>	<i>150</i>	<i>Security token to be used in account API requests. Used in lieu of PassPhrase.</i>

The following listing shows an example of the UserSignUpResponse XML.

Listing 22-2: UserSignUpResponse XML

```
<?xml version="1.0" encoding="UTF-8"?>
<UserSignUpResponse>
  <ErrorMessage>string</ErrorMessage>
  <RequesterID>string</RequesterID>
  <RequestID>string</RequestID>
  <ConfirmationNumber>long</ConfirmationNumber>
  <AccountID>long</AccountID>
  <Token>string</Token>
</UserSignUpResponse>
```

Additional User Signup Options

Endicia.com website: You can create an account with the customized link. For example:

<https://account.endicia.com/?referredby=xxxx>

where *xxxx* is the Partner ID assigned to you. Follow the screen prompts. This will take you through the signup process on the website.

The correct Partner ID *must* be included for the resulting account to be associated with you.

23. RESETTING SUSPENDED ACCOUNT STATUS API (OPTIONAL)

The following web methods can be used to reset the status of an account that has been suspended due to multiple failed attempts to enter the correct Pass Phrase.

Note: This API should *only* be used for accounts that have been *suspended* due to multiple bad login attempts. For changing the Pass Phrase of an active account, use the Change PassPhrase API.

Part 1: GetChallengeQuestion

Use the GetChallengeQuestionXML web method to initiate the request for resetting a suspended account.

GetChallengeQuestion XML Syntax

The following table describes the XML tags for GetChallengeQuestionRequest.

Important Notes About All Elements

- Omitting any value causes the Endicia Label Server Web Service to use the default value for that element.
- *Italic* items are optional.
- For a full list of status codes and messages, see [Error Codes](#).

Table 23-1: ChallengeQuestionRequest XML Elements

Element	Type	Size or Values	Description
ChallengeQuestionRequest	Root	-	The root node for the XML request.
RequesterID	String	4	Requester ID (also called Partner ID) uniquely identifies the partner making the request. Endicia assigns this ID.
RequestID	String	50	Request ID that uniquely identifies this request. This will be returned in response.
AccountID	Numeric	7	Account ID for the Endicia postage account.
Email	String	64	Email ID on file.

The following listing shows an example of the GetChallengeQuestionRequest XML.

Listing 23-1: GetChallengeRequest XML

```
<?xml version="1.0" encoding="utf-8"?>
<ChallengeQuestionRequest>
  <RequesterID>string</RequesterID>
  <RequestID>string</RequestID>
  <AccountID>string</AccountID>
  <Email>string </Email>
</ChallengeQuestionRequest>
```

ChallengeQuestionResponse XML Syntax

The following table describes the XML tags for ChallengeQuestionResponse.

Table 23-2: ChallengeQuestionResponse XML Elements

Element		Type	Size or Values	Description
ChallengeQuestionResponse		Root	-	The root node for the XML response.
	Question	String	50	Challenge Question on file for the Endicia postage account.
	Status	String	0 Error Code	Success Failed. See Error Codes
	<i>ErrorMessage</i>	<i>String</i>	150	Error Message
	RequesterID	String	4	Return of Requester ID—based on input value.
	RequestID	String	50	Return of Request ID—based on input value.

The following listing shows an example of the ChallengeQuestionResponse XML.

Listing 23-2: GetChallengeQuestionResponse XML

```
<?xml version="1.0" encoding="utf-8"?>
<ChallengeQuestionResponse>
  <Question>string</Question>
  <Status>int</Status>
  <RequesterID>string</RequesterID>
  <RequestID>string</RequestID>
</ChallengeQuestionResponse>
```

Part 2: ResetSuspendedAccount

Use the ResetSuspendedAccount XML web method to complete the request for resetting the status of a suspended account.

ResetSuspendedAccountRequest XML Syntax

The following table describes the XML tags for ResetSuspendedAccount Request.

Important Notes About All Elements:

- Omitting any value causes the Endicia Label Server Web Service to use the default value for that element.
- *Italic* items are optional.

Table 23-3: ResetSuspendedAccountRequest XML Elements

Element		Type	Size or Values	Description
ResetSuspendedAccountRequest		Root	-	The root node for the XML request.
	RequesterID	String	4	Requester ID (also called Partner ID) uniquely identifies the partner making the request. Endicia assigns this ID.
	RequestID	String	50	Request ID that uniquely identifies this request. This will be returned in response.

Element	Type	Size or Values	Description
AccountID	Numeric	7	Account ID for the Endicia postage account.
ChallengeAnswer	String	50	Answer to the challenge question on file for the Endicia postage account.
NewPassPhrase	String	64	New Pass Phrase for the Endicia postage account. The Pass Phrase must be at least 5 characters long with a maximum of 64 characters. For added security, the Pass Phrase should be at least 10 characters long and include more than one word, use at least one uppercase and lowercase letter, one number, and one non-text character (for example, punctuation). A Pass Phrase which has been used previously will be rejected.

The following listing shows an example of the ResetSuspendedAccountRequest XML.

Listing 23-3: ResetSuspendedAccountRequest XML

```
<?xml version="1.0" encoding="utf-8"?>
<ResetSuspendedAccountRequest>
  <RequesterID>string</RequesterID>
  <RequestID>string</RequestID>
  <AccountID>string</AccountID>
  <ChallengeAnswer>string</ChallengeAnswer>
  <NewPassPhrase>string</NewPassPhrase>
</ResetSuspendedAccountRequest>
```

ResetSuspendedAccountRequestResponse XML Syntax

The following table describes the XML tags for ResetSuspendedAccountRequestResponse.

Table 23-4: ResetSuspendedAccountRequestResponse XML Elements

Element	Type	Size or Values	Description
ResetSuspendedAccountRequestResponse	Root	-	The root node for the XML response.
Status	String	0 Error Code	Success Failed. See Error Codes
ErrorMessage	String	150	Error Message
RequesterID	String	4	Return of Requester ID—based on input value.
RequestID	String	50	Return of Request ID—based on input value.

The following listing shows an example of the ResetSuspendedAccountRequestResponse XML.

Listing 23-4: ResetSuspendedAccountRequestResponse XML

```
<?xml version="1.0" encoding="utf-8"?>
<ResetSuspendedAccountRequestResponse>
  <Status>string</Status>
  <ErrorMessage>string</ErrorMessage>
  <RequesterID>string</RequesterID>
  <RequestID>string</RequestID>
</ResetSuspendedAccountRequestResponse>
```

24. GETTING ACCOUNT STATUS API

AccountStatusRequest

To get the status of an account, use the GetAccountStatus or the GetAccountStatusXML web method of the Endicia Label Server Web Service. For accounts with an Active status, the response contains other useful information, such as the remaining postage balance in the account.

AccountStatusRequest XML Syntax

The following table describes the XML tags for AccountStatusRequest.

Important Notes About All Elements:

- Omitting any value causes the Endicia Label Server Web Service to use the default value for that element.
- *Italic* items are optional.
- For a full list of status codes and messages, see [Error Codes](#).

Table 24-1: AccountStatusRequest XML Elements

Element	Type	Size or Values	Description
AccountStatusRequest	Root	-	The root node for the XML request.
ResponseVersion	Attribute	0 1	Return Standard Response. Include additional account details in the response.
RequesterID	String	4	Requester ID (also called Partner ID) uniquely identifies the partner making the request. Endicia assigns this ID.
RequestID	String	50	Request ID that uniquely identifies this request. This will be returned in response.
CertifiedIntermediary	Node		Certified Intermediary (CI) account authentication information.
AccountID and PassPhrase Or Token	String	7 64 150	Account ID for the Endicia Postage Account Pass Phrase for the Endicia postage account. <i>Security Token. Use only if your account is set up to use the Token. If using the Token, DO NOT supply the AccountID and PassPhrase elements.</i>

The following listing shows an example of the AccountStatusRequest XML.

Listing 24-1: AccountStatusRequest XML

```
<?xml version="1.0" encoding="utf-8"?>
<AccountStatusRequest ResponseVersion="string">
  <RequesterID>string</RequesterID>
  <RequestID>string</RequestID>
  <CertifiedIntermediary>
    <AccountID>string</AccountID>
```

```

    <PassPhrase>string</PassPhrase>
    <Token>string</Token>
  </CertifiedIntermediary>
</AccountStatusRequest>

```

AccountStatusResponse XML Syntax

The following table describes the XML tags for AccountStatusResponse.

Table 24-2: AccountStatusResponse XML Elements

Element	Type	Size or Values	Description
AccountStatusResponse	Root	-	The root node for the XML response.
Status	Numeric	0	Success
		Error Code	Failed. See Error Codes
ErrorMessage	String	150	Error Message
RequesterID	String	4	Return of Requester ID—based on input value.
RequestID	String	50	Return of Request ID—based on input value.
CertifiedIntermediary	Node		Certified Intermediary (CI) account status. This node will only be present for an account with an Active status.
AccountID	Numeric	7	Account Number for the Endicia postage account.
SerialNumber	Numeric	12	The Serial Number of the last item created on the account.
PostageBalance	Currency	6.3	Remaining postage balance in dollars and cents (mils).
AscendingBalance	Currency	6.3	Total amount of postage printed in dollars and cents (mils).
AccountStatus	String	A	Account Status flag: Active
DeviceID	String	12	The account's 12 character Device ID (that appears in the indicium).
ReferenceID	String	50	Reference ID
Note: the following elements are included only when the ResponseVersion attribute is set to "1"			
ContractID	Node		
DomesticCID	String	15	Domestic Contract ID
InternationalCID	String	15	International Contract ID
InsuranceAgreement	Boolean	true false	The account is enabled for Endicia Parcel Insurance

Element		Type	Size or Values	Description
<i>Discounts</i>		<i>Node</i>		<i>Postage discounts for each mail class available for the account.</i> Note: <i>This node appears in the response only when the ResponseVersion in the request is set to 1</i>
<i>PriorityMail</i>				<i>Priority Mail related discounts</i>
	<i>Discount</i>	<i>Attribute</i>	<i>ComBase</i> <i>CPP</i> <i>Custom</i>	<i>Commercial Base Pricing</i> <i>Commercial Plus Pricing</i> <i>Custom Agreement (NSA)</i>
	<i>CubicPricing</i>	<i>Boolean</i>	<i>true</i> <i>false</i>	<i>Cubic pricing available for Priority Mail</i> <i>Cubic pricing not available for Priority Mail</i>
	<i>FlatRatePaddedEnvelope</i>	<i>Boolean</i>	<i>true</i> <i>false</i>	<i>Discount available for FlatRatePaddedEnvelope</i>
	<i>HalfPoundRate</i>	<i>Boolean</i>	<i>true</i> <i>false</i>	<i>Discount available for half pound rate</i>
	<i>RegionalRateBox</i>	<i>Boolean</i>	<i>true</i> <i>false</i>	<i>Discount available for regional rate boxes</i>
	<i>OpenAndDistribute</i>	<i>Boolean</i>	<i>true</i> <i>false</i>	<i>Discount available for Open and Distribute services</i>
<i>PMExpress</i>				<i>Priority Mail Express related discounts</i>
	<i>Discount</i>	<i>Attribute</i>	<i>ComBase</i> <i>CPP</i> <i>Custom</i>	<i>Commercial Base Pricing</i> <i>Commercial Plus Pricing</i> <i>Custom Agreement (NSA)</i>
	<i>CubicPricing</i>	<i>Boolean</i>	<i>true</i> <i>false</i>	<i>Cubic pricing available for PME</i> <i>Cubic pricing not available for PME</i>
	<i>FlatRatePaddedEnvelope</i>	<i>Boolean</i>	<i>true</i> <i>false</i>	<i>Discount available for FlatRatePaddedEnvelope</i>
	<i>HalfPoundRate</i>	<i>Boolean</i>	<i>true</i> <i>false</i>	<i>Discount available for half pound rate (for future use)</i>
	<i>RegionalRateBox</i>	<i>Boolean</i>	<i>true</i> <i>false</i>	<i>Discount available for regional rate boxes</i>
	<i>OpenAndDistribute</i>	<i>Boolean</i>	<i>true</i> <i>false</i>	<i>Discount available for Open and Distribute services</i>

Element		Type	Size or Values	Description
	FCPS			First Class Package Services related discounts
	Discount	Attribute	ComBase CPP Custom	Commercial Base Pricing Commercial Plus Pricing Custom Agreement (NSA) (for future use)
	CubicPricing	Boolean	true false	Cubic pricing available for FCPS (for future use) Cubic pricing not available for FCPS (for future use)
	FlatRatePaddedEnvelope	Boolean	true false	Discount available for FlatRatePaddedEnvelope (for future use)
	HalfPoundRate	Boolean	true false	Discount available for half pound rate (for future use)
	RegionalRateBox	Boolean	true false	Discount available for regional rate boxes (for future use)
	OpenAndDistribute	Boolean	true false	Discount available for regional rate boxes (for future use)
	PMI			Priority Mail International related discounts
	Discount	Attribute	ComBase CPP Custom	Commercial Base Pricing Commercial Plus Pricing Custom Agreement (GEPS)
	PMEI			Priority Mail Express International related discounts
	Discount	Attribute	ComBase CPP Custom	Commercial Base Pricing Commercial Plus Pricing Custom Agreement (GEPS)
	FCPIS			First Class Parcel International service related discounts
	Discount	Attribute	ComBase CPP Custom	Commercial Base Pricing Commercial Plus Pricing Custom Agreement (GEPS) (for future use)
	AccountType	String	USPS Retail	USPS Meter account Retail accounts
	ApprovedShipper	Boolean	true false	The account is enabled as an Approved Shipper

Element			Type	Size or Values	Description
ConsolidatorServices			Boolean	true false	Account is enabled for Consolidator Services
ConsolidatorServiceDetail			Node		
	InternationalConsolidator		Boolean	True	International consolidator branded services are enabled for the specified Endicia account.
				False	International consolidator branded services are not enabled for the specified Endicia account.
	EnabledInternationalConsolidatorServices		Node		
		EnabledInternationalConsolidatorService	Node		Consolidator branded service details
		EnabledInternationalConsolidatorServiceID	String	200	The ID for the branded service, if one is provided by the consolidator.
		EnabledInternationalConsolidatorBrandedServiceName	String	49	The branded service name as provided by the consolidator. These names must be presented to customers as selectable mail classes, and is what will be printed on the label.
		EnabledInternationalConsolidatorGenericServiceName	String	200	An internal name for the branded service. This value will never change, even if the branded service name is changed.
AccountFeatures			Node		
		Features	Node		Account Features
		Code	String	50	The code for the feature
		Name	String	200	Noun description of feature
		IsEligible	Boolean	true	The account is eligible
				false	The account is not eligible
		TermsAndConditionsLink	URL	200	Link to the Terms and Conditions

The following listing shows an example of an AccountStatusResponse XML.

Listing 24-2: AccountStatusResponse XML

```
<?xml version="1.0" encoding="utf-8"?>
<AccountStatusResponse>
  <Status>int</Status>
  <ErrorMessage>string</ErrorMessage>
  <RequesterID>string</RequesterID>
  <RequestID>string</RequestID>
  <CertifiedIntermediary>
    <AccountID>string</AccountID>
    <SerialNumber>string</SerialNumber>
    <PostageBalance>double</PostageBalance>
    <AscendingBalance>double</AscendingBalance>
```

```

    <AccountStatus>string</AccountStatus>
    <DeviceID>string</DeviceID>
  </CertifiedIntermediary>
  <Discounts>
    <PriorityMail Discount="ComBase or CPP or Custom" CubicPricing="boolean"
FlatRatePaddedEnvelope="boolean" HalfPoundRate="boolean"
RegionalRateBox="boolean" OpenAndDistribute="boolean" />
    <PMExpress Discount="ComBase or CPP or Custom" CubicPricing="boolean"
FlatRatePaddedEnvelope="boolean" HalfPoundRate="boolean"
RegionalRateBox="boolean" OpenAndDistribute="boolean" />
    <FCPS Discount="ComBase or CPP or Custom" CubicPricing="boolean"
FlatRatePaddedEnvelope="boolean" HalfPoundRate="boolean"
RegionalRateBox="boolean" OpenAndDistribute="boolean" />
    <PMI Discount="ComBase or CPP or Custom" />
    <EMI Discount="ComBase or CPP or Custom" />
    <FCPIS Discount="ComBase or CPP or Custom" />
  </Discounts>
  <AccountType>string</AccountType>
  <ApprovedShipper>string</ApprovedShipper>
  <ContractID>
    <DomesticCID>string</DomesticCID>
    <InternationalCID>string</InternationalCID>
  </ContractID>
  <InsuranceAgreement>boolean</InsuranceAgreement>
  <ConsolidatorServices>string</ConsolidatorServices>
  <ConsolidatorServiceDetail>
    <InternationalConsolidator>boolean</InternationalConsolidator>
    <EnabledInternationalConsolidatorServices>
      <EnabledInternationalConsolidatorService>
        <EnabledInternationalConsolidatorServiceID>string</EnabledInternati
onalConsolidatorServiceID>
        <EnabledInternationalConsolidatorBrandedServiceName>string</Enabled
InternationalConsolidatorBrandedServiceName>
        <EnabledInternationalConsolidatorGenericServiceName>string</Enabled
InternationalConsolidatorGenericServiceName>
      </EnabledInternationalConsolidatorService>
      <EnabledInternationalConsolidatorService>
        <EnabledInternationalConsolidatorServiceID>string</EnabledInternati
onalConsolidatorServiceID>
        <EnabledInternationalConsolidatorBrandedServiceName>string</Enabled
InternationalConsolidatorBrandedServiceName>
        <EnabledInternationalConsolidatorGenericServiceName>string</Enabled
InternationalConsolidatorGenericServiceName>
      </EnabledInternationalConsolidatorService>
    </EnabledInternationalConsolidatorServices>
  </ConsolidatorServiceDetail>
  <AccountFeatures>
    <Feature>
      <Code>string</Code>
      <Name>string</Name>
      <IsEligible>Boolean</IsEligible>
      <TermsAndConditionsLink>URL</TermsAndConditionsLink>
    </Feature>
  </AccountFeatures>
</AccountStatusResponse>

```

25. UPDATE PAYMENT INFORMATION

UpdatePaymentInformation

Use the UpdatePaymentInformation web method to update or add the payment method on file for an existing Endicia Account.

UpdatePaymentInformation XML Syntax

The following table describes the XML tags for UpdatePaymentInformation.

Important Notes About All Elements

- Omitting any value causes the Endicia Label Server Web Service to use the default value for that element.
- *Italic* items are optional.
- Only Credit Card and Checking Account payment options can be updated through this web method. Customer must log into their account to set up other payment options.
- Only one payment option (Credit Card or Checking Account) can be selected for one of the PaymentType values– “Postage” or “ServicesFees” or “Both”. For example, if “Postage” PaymentType is selected under UpdateCreditCardInfo node, it cannot be selected again under the UpdateACHInfo node as well; otherwise, an error will be returned.
- New payment information will replace previous values and options on file for the Endicia account.
- For a full list of status codes and messages, see [Error Codes](#).

Table 25-1: UpdatePaymentInfoRequest XML Elements

Element	Type	Size or Values	Description
UpdatePaymentInfoRequest	Root	-	The root node for the XML request.
ResponseVersion	Attribute	0 1	Default
RequesterID	String	4	Requester ID (also called Partner ID) uniquely identifies the partner making the request. Endicia assigns this ID.
RequestID	String	50	Request ID that uniquely identifies this request. This will be returned in response.
CertifiedIntermediary	Node		Certified Intermediary (CI) account authentication information.
AccountID and PassPhrase Or Token	String	7 64 150	Account ID for the Endicia Postage Account Pass Phrase for the Endicia postage account. <i>Security Token. Use only if your account is set up to use the Token. If using the Token, DO NOT supply the AccountID and PassPhrase elements.</i>
<i>UpdateCreditCardInfo</i>	<i>Node</i>		<i>Credit Card Payment Method</i>
PaymentType	Attribute	Postage ServiceFees	Use payment option to pay for postage only

Element		Type	Size or Values	Description
			Both	Use payment option to pay for Endicia services and Insurance only
				Use payment option to pay for both
	CreditCardNumber	String	16	The full credit card number, without spaces or dashes.
	CreditCardCVV	String	4	Card verification value or the security code found in the back of the credit card
	CreditCardAddress	String	50	Address Line 1 used with Credit Card
	CreditCardAddress2	String	50	Optional Address Line 2 used with Credit Card
	CreditCardAddress3	String	50	Optional Address Line 3 used with Credit Card
	CreditCardCity	String	50	City used with Credit Card
	CreditCardState	String	2	State used with Credit Card
	CreditCardZipCode	String	5	ZIP Code (or postal code for international addresses) used with the credit card
	CreditCardCountryCode	String	2	ISO Country code for the credit card
	CreditCardType	String	Visa Mastercard AmericanExpress CarteBlanche Discover DinersClub	Credit card type
	CreditCardExpMonth	String	January - December	Credit card expiration month name
	CreditCardExpYear	String	4	Four-digit representation of the credit card expiration year
	UpdateACHInfo	Node		ACH Payment Method
	PaymentType	Attribute	Postage	Use payment option to pay for postage only
			ServiceFees	Use payment option to pay for Endicia services and Insurance only
			Both	Use payment option to pay for both
	CheckingAccountNumber	String	50	Checking Account Number
	CheckingAccountRoutingNumber	String	50	Bank Routing Number

The following listing shows an example of the UpdatePaymentInfoRequest XML.

Listing 25-1: UpdatePaymentInfoRequest XML

```
<?xml version="1.0" encoding="utf-8"?>
<UpdatePaymentInfoRequest ResponseVersion="Boolean">
  <RequesterID>string</RequesterID>
  <RequestID>string</RequestID>
  <CertifiedIntermediary>
    <AccountID>string</AccountID>
    <PassPhrase>string</PassPhrase>
```

```

    <Token>string</Token>
  </CertifiedIntermediary>
  <UpdateCreditCardInfo PaymentType="String" >
    <CreditCardNumber>String</CreditCardNumber>
    <CreditCardCVV>String</CreditCardCVV>
    <CreditCardAddress>String</CreditCardAddress>
    <CreditCardAddress2>String</CreditCardAddress2>
    <CreditCardAddress3>String</CreditCardAddress3>
    <CreditCardCity>String</CreditCardCity>
    <CreditCardState>String</CreditCardState>
    <CreditCardZipCode>String</CreditCardZipCode>
    <CreditCardCountryCode>String</CreditCardCountryCode>
    <CreditCardType>String</CreditCardType>
    <CreditCardExpMonth>String</CreditCardExpMonth>
    <CreditCardExpYear>String</CreditCardExpYear>
  </UpdateCreditCardInfo>
  <UpdateACHInfo PaymentType="String" >
    <CheckingAccountNumber>String</CheckingAccountNumber>
    <CheckingAccountRoutingNumber>String</CheckingAccountRoutingNumber>
  </UpdateACHInfo>
</UpdatePaymentInfoRequest>

```

UpdatePaymentInfoResponse XML Syntax

The following table describes the XML tags for UpdatePaymentInfoResponse.

Table 25-2: UpdatePaymentInfoResponse XML Elements

Element		Type	Size or Values	Description
UpdatePaymentInfoResponse		Root	-	The root node for the XML response.
	Status	String	0 Error Code	Success Failed. See Error Codes .
	ErrorMessage	String	150	Error Message
	RequesterID	String	4	Return of Requester ID—based on input value.
	RequestID	String	50	Return of Request ID—based on input value.

The following listing shows an example of the UpdatePaymentInfoResponse XML.

Listing 25-2: UpdatePaymentInfoResponse XML

```

<?xml version="1.0" encoding="utf-8"?>
<UpdatePaymentInfoResponse>
  <Status>string</Status>
  <ErrorMessage>string</ErrorMessage>
  <RequesterID>string</RequesterID>
  <RequestID>string</RequestID>
</UpdatePaymentInfoResponse>

```

Update Payment Information Through Your Endicia Account

The following Steps describe how to update your payment information from your Endicia.com account.

Steps

1. Log in to your [Endicia.com account](#).
2. From the My Account tab, select **Update Profile > Payment Method**.
3. Choose your payment preference for USPS Postage and for Endicia Fees.
4. To change the Credit Card or Checking Account information, click **Edit...** following each option.
5. When you are finished, click **Update** to save your work.
6. You can also update your Billing Address by clicking **Edit...** in the Billing Address block.
The Billing Address must match your Credit Card address.
7. Click **Update**.

26. ADD ACCOUNT FEATURES

SETAccountFeatureOptIn

Use the SetAccountFeatureOptIn web method to opt-in to a feature via API. Currently it only supports opting into Endicia Pay on Use Returns (EPR).

SETAccountFeatureOptIn XML Syntax

The following table describes the XML tags for SETAccountFeatureOptIn.

Important Notes About All Elements

- <FeatureCode> must be 'EPR'.
- <Enable> can be true to opt-in or false to opt-out.
- <AcceptTermsAndConditions> can be true or false. In order to opt-in for EPR both <Enable> and <AcceptTermsAndConditions> must be true.

SetAccountOptInFeatureRequest

Table 26-1: SetAccountFeatureOptInRequest XML Elements

Element	Type	Size or Values	Description
SetAccountOptInFeatureRequest	Root	-	The root node for the XML request.
CertifiedIntermediary	Node		Certified Intermediary (CI) account authentication information.
AccountID and PassPhrase Or Token	String	7 64 150	Account ID for the Endicia Postage Account Pass Phrase for the Endicia postage account. <i>Security Token. Use only if your account is set up to use the Token. If using the Token, DO NOT supply the AccountID and PassPhrase elements.</i>
FeatureCode	String	EPR	Endicia Pay on Use
Enable	String	true false	Enable the feature Disable the feature
AcceptTermsAndConditions	String	true false	Accept the Terms and Conditions Do not accept the Terms and Conditions In order to opt-in for EPR both <Enable> and <AcceptTermsAndConditions> must be true.

Listing 26-1: SetAccountFeatureOptInRequest XML

```
<?xml version="1.0" encoding="utf-8"?>
<SetAccountFeatureOptInRequest>
  <CertifiedIntermediary>
    <AccountID>string</AccountID>
    <PassPhrase>string</PassPhrase>
  </CertifiedIntermediary>
  <FeatureCode>string</FeatureCode>
  <Enable>string</Enable>
  <AcceptTermsAndConditions>string<AcceptTermsAndConditions>
</SetAccountFeatureOptInRequest>
```

SetAccountFeatureOptInResponse XML Syntax

The following table describes the XML tags for SetAccountFeatureOptInResponse.

Table 26-2: SetAccountFeatureOptInResponse XML Elements

Element	Type	Size or Values	Description
SetAccountFeatureOptInResponse	Root	-	The root node for the XML response.
Status	String	150	Error Message
Success	Boolean	true	Request was successful
		false	Request failed – see Status
Message	String		Detailed message for failed response.
TermsAndConditionsLink	String	150	Link to the Terms and Conditions

The following listing shows an example of a SetAccountFeatureOptInResponse XML.

Listing 26-2: SetAccountFeatureOptInResponse XML

```
<?xml version="1.0" encoding="utf-8"?>
<SetAccountFeatureOptInResponse>
  <Status>string</Status>
  <Success>string</Success>
  <Message>string</Message>
  <TermsAndConditionsLink>string</SetAccountFeatureOptInResponse>
</SetAccountFeatureOptInResponse>
```


27. CLOSING AN ENDICIA ACCOUNT

CloseAccountRequest

Use the CloseAccount web method to request closure of an existing Endicia account.

CloseAccountRequest XML Syntax

The following table describes the XML tags for CloseAccountRequest.

Important Notes About All Elements

- Omitting any value causes the Endicia Label Server Web Service to use the default value for that element.
- *Italic* items are optional.
- All remaining postage account balance, including any pending postage refunds, will be applied back to the current payment method on file. If the payment method is invalid, a check will be mailed to the customer.
- An account will not be closed immediately. The account will remain in a status of “Scheduled” until any pending postage refunds have been processed. USPS requires two weeks to process postage refunds. So, when CloseAccountResponse status is 0, it only means that the account has been flagged to be closed.
- To view the current account status, use the [AccountStatusRequest](#) web method.
- After an account is closed, it cannot be reopened.
- For a full list of status codes and messages, see [Error Codes](#).

Table 27-1: CloseAccountRequest XML Elements

Element	Type	Size or Values	Description
CloseAccountRequest	Root	-	The root node for the XML request.
ResponseVersion	Attribute	0 1	Default
RequesterID	String	4	Requester ID (also called Partner ID) uniquely identifies the partner making the request. Endicia assigns this ID.
RequestID	String	50	Request ID that uniquely identifies this request. This will be returned in response.
CertifiedIntermediary	Node		Certified Intermediary (CI) account authentication information.
AccountID and PassPhrase Or Token	String	7 64 150	Account ID for the Endicia Postage Account Pass Phrase for the Endicia postage account. <i>Security Token. Use only if your account is set up to use the Token. If using the Token, DO NOT supply the AccountID and PassPhrase elements.</i>
ReasonForClosing	Node	ChangeInBusiness ServiceIsExpensive	Choose all applicable options: 1 = TRUE

Element	Type	Size or Values	Description
		SwitchingToAnotherProvider ProductComplicated Other	0 = FALSE At least one reason must be TRUE. If Other, <DescriptiveReason> is required.
<i>DescriptiveReason</i>	<i>String</i>	64	

The following listing shows an example of the CloseAccountRequest XML.

Listing 27-1: CloseAccountRequest XML

```
<?xml version="1.0" encoding="utf-8"?>
<CloseAccountRequest ResponseVersion="string" >
  <RequesterID>string</RequesterID>
  <RequestID>string</RequestID>
  <CertifiedIntermediary>
    <AccountID>string</AccountID>
    <PassPhrase>string</PassPhrase>
    <Token>string</Token>
  </CertifiedIntermediary>
  <ReasonForClosing ChangeInBusiness="Boolean" ServiceIsExpensive="Boolean"
SwitchingToAnotherProvider="Boolean" ProductIsComplicated="Boolean"
Other="Boolean" />
  <DescriptiveReason>String</DescriptiveReason>
</CloseAccountRequest>
```

CloseAccountResponse XML Syntax

The following table describes the XML tags for CloseAccountResponse.

Table 27-2: CloseAccountResponse XML Elements

Element	Type	Size or Values	Description
CloseAccountResponse	Root	-	The root node for the XML response.
Status	Numeric	0 Error Code	Success Failed. See Error Codes .
<i>ErrorMessage</i>	<i>String</i>	150	<i>Error Message</i>
RequesterID	String	4	Return of Requester ID—based on input value.
RequestID	String	50	Return of Request ID—based on input value.

The following listing shows an example of the CloseAccountResponse XML.

Listing 27-2: CloseAccountResponse XML

```
<?xml version="1.0" encoding="utf-8"?>
<CloseAccountResponse>
  <Status>string</Status>
  <ErrorMessage>string</ErrorMessage>
  <RequesterID>string</RequesterID>
  <RequestID>string</RequestID>
</CloseAccountResponse>
```

Close an Account

The following Steps describe how to close an account.

Steps

1. Log in to your [Endicia.com account](#).
2. From the My Account tab, select **Update Profile > Close Account**.
3. Take note of the warnings, and if you want to continue, click **Continue**.
4. Complete the optional survey.
This helps us to improve our service.
5. Click **Close**.

Your account will be closed as soon as you complete the final step. Any remaining funds in the account will be credited to your current payment method, or, if invalid, a check will be mailed to you. After an account is closed, an account cannot be reopened.

28. CREATING & UPDATING SHARED PES USER CONTACT INFORMATION API

Background

Postage Evidencing Systems (PES) are secure postage metering systems that generate indicium imprinted on or affixed to a mailpiece to evidence prepayment of postage. Recent trends in online business models have created systems that can support multiple users at multiple locations and hence, the concept of sharing a single PES.

Currently, with a shared PES implementation, the USPS is unable to accurately associate a mailpiece to the mailer. This hinders inspection service efforts and is inconsistent with USPS processes.

The USPS has mandated that all PC Postage vendors must implement a solution that tracks mailer contact information of all users of a shared PES, so that the known mailer status is maintained at all times.

For more information, specifically on adequate disclosure, compliance, denial and revocation of authorization to use, and other topics, see the [USPS Domestic Mail Manual](#) (DMM), section 604.4.2.

Important! If you are developing software for use by multiple end-users who share one or multiple Endicia accounts, the USPS identifies you as a Shared PES Customer. Hence, the USPS requires that you send them the contact information of all your end-users prior to the users printing shipping labels. After the Shared PES User has been created in our system, the user must specify the <PartnerCustomerID> element when requesting a shipping label. If a valid <PartnerCustomerID> value is not specified, the label request will fail.

The following section provides details on an automated Web Service that allows you to create Shared PES User accounts more efficiently. You can collect all the needed contact information of your end-users and just submit it through this API. In return, you will receive an acknowledgement message.

SubmitUserContactInfo

Use the SubmitUserContactInfo or SubmitUserContactInfoXML web method of the Endicia Label Server Web Service to send contact information of a new Shared PES User or update contact information of an existing Shared PES User.

SubmitUserContactInfoRequest XML Syntax

The following table describes the XML tags for SubmitUserContactInfoRequest.

Important Notes About All Elements

- All contact information for a Shared PES User is required.
- The USPS requires that addresses of Shared PES Users be actual locations rather than P.O. Boxes™ and General Delivery addresses.
- *Italic* items are optional.
- For a full list of status codes and messages, see [Error Codes](#).

The endpoint URL for the SubmitUserContactInfoRequest web method is as follows:

<https://elstestserver.endicia.com/LabelService/sharedpesservice.asmx> (ELS Sandbox)

<https://labelserver.endicia.com/LabelService/SharedPESService.asmx> (Production)

Table 28-1: SubmitUserContactInfoRequest XML Elements

Element	Type	Size or Values	Description
UserContactInfoRequest	Root	-	The root node for the XML request.
Test	Attribute	YES NO	Test Request Live Request (Default)
RequestID	String	50	Request ID that uniquely identifies this request. This will be returned in the response.
AccountID and PassPhrase Or Token	String	7 64 150	Account ID for the Endicia Postage Account Pass Phrase for the Endicia postage account. Security Token. Use only if your account is set up to use the Token. If using the Token, DO NOT supply the AccountID and PassPhrase elements.
PartnerCustomerID	String	120	Custom-defined, unique Shared PES User ID. If PartnerCustomerID already exists, then the contact information will be updated.
Name	String	50	Shared PES user name; First name and last name, separated by a single space ' '.
EmailAddress	String	120	Shared PES user's email address
PhoneNumber	Number	10	Shared PES User's phone number; 10 digits are required (including area code) with no punctuation. Use format 2125551212
PhysicalAddressLine1	String	50	Shared PES user's address
PhysicalAddressLine2	String	50	Additional address line
PhysicalCity	String	28	Shared PES user's city
PhysicalState	String	2	Shared PES user's state
PhysicalZipCode	Number	5 or 9	Shared PES user's ZIP Code or ZIP+4; No punctuation or spaces.
DedicatedMeterAccountID	String		For future use
TokenTimeStamp	String		For future use

XML Request Code Sample

The following listing shows an example of the SubmitUserContactInfoRequestXML.

Listing 28-1: SubmitUserContactInfoRequest XML

```
<?xml version="1.0" encoding="utf-8"?>
<UserContactInfoRequest Test="string" >
  <RequestID>string</RequestID>
  <AccountID>string</AccountID>
  <PassPhrase>string</PassPhrase>
  <Token>string</Token>
  <PartnerCustomerID>string</PartnerCustomerID>
  <Name>string</Name>
  <EmailAddress>string</EmailAddress>
  <PhoneNumber>string</PhoneNumber>
  <PhysicalAddressLine1>string</PhysicalAddressLine1>
  <PhysicalCity>string</PhysicalCity >
  <PhysicalState>string</PhysicalState>
  <PhysicalZipCode>string</PhysicalZipCode>
  <DedicatedMeterAccountId>string</DedicatedMeterAccountId>
  <TokenTimeStamp>string</TokenTimeStamp>
</UserContactInfoRequest>
```

SubmitUserContactInfoResponse XML Syntax

The following table describes the XML tags for SubmitContactInfoResponse.

Table 28-2: SubmitContactInfoResponse XML Elements

Element	Type	Size or Values	Description
UserContactInfoResponse	Root	-	The root node for the XML response.
Status	Numeric	0 Error Code	Success Failed. See Error Codes
ErrorMessage	String	150	Error Message
RequestID	String	50	Return of RequestID submitted in the request.

XML Response Code Sample

The following listing shows an example of the UserContactInfoResponse XML.

Listing 28-2: SubmitUserContactInfoResponse XML

```
<?xml version="1.0" encoding="utf-8"?>
<UserContactInfoResponse>
  <Status>int</Status>
  <ErrorMessage>string</ErrorMessage>
  <RequestID>string</RequestID>
</UserContactInfoResponse>
```

SubmitUserContactInfo Error Codes

Error Code String	Error Message
12144 - InvalidPartnerCustomerId	PartnerCustomerId is missing or invalid

29. REQUESTING USPS-APPROVED DYMO STAMPS (OPTIONAL)

StampsRequest

To print USPS-approved DYMO Stamps, use the StampsRequestXML web method of the Endicia Label Server Web Service. This new web method allows printing stamps using DYMO Stamps rolls or sheets.

Printing Options

- Standard laser or ink jet printer using the DYMO Printable Postage Sheets (Item 356DASH2).
- The following printers are supported for DYMO 90915 rolls:
 - ✓ DYMO 400
 - ✓ DYMO 450
 - ✓ DYMO 450 Turbo
 - ✓ DYMO Duo Turbo
 - ✓ DYMO Twin Turbo
- Zebra, Brother, DYMO LabelWriter 4XL, or other shipping label printers are not supported.
- Visit <https://www.endicia.com/store/products/general/labels> to obtain printing supplies.

Important Notes About All Elements

- Omitting any value will cause the Status Web Service to use the default value for that element.
- *Italic* items are optional.

StampsRequest XML Syntax

The following table describes the XML tags for StampsRequest.

Table 29-1: StampsRequest XML Elements

Element	Type	Size or Values	Description
StampsRequest	Root	-	The root node for the XML request.
Test	Attribute	YES	Use sample postage for testing.
		NO	Use live postage. (Default)
ImageFormat	Attribute	PDF	PDF (Default)
		PNG	PNG format
RequesterID	Text	50	Requester ID (also called Partner ID) uniquely identifies the system making the request. Endicia assigns this ID. The Test Server does not authenticate the RequesterID. Please use "lxxx" to begin testing.

Element	Type	Size or Values	Description
AccountID	Numeric	6	Account ID for the Endicia postage account. The Test Server does not authenticate the AccountID. Any 6-digit value is valid.
PassPhrase	Text	64	Pass Phrase for the Endicia postage account. The Test Server does not authenticate the PassPhrase. Any text value of 1 to 64 characters is valid.
MediaType	Text	30915 356-2	Media or label stock type DYMO Stamps® Postage Label Roll DYMO Printable Postage Sheets
XStartLabel	Numeric	1-4	For DYMO Printable Postage Sheets, specify the start location of the column position here. Note: Each DYMO Printable Postage Sheet has 4 stamps per row and 6 rows per sheet.
YStartLabel	Numeric	1-6	For DYMO Printable Postage Sheets, specify the start location of the row position here. Note: Each DYMO Printable Postage Sheet has 4 stamps per row and 6 rows per sheet.

Element	Type	Size or Values	Description
ActivationCode	Text	50	<p>Activation Code* validates that genuine DYMO labels are used to print stamps and ensures that no postage is rejected by USPS due to printing stamps on counterfeit labels.</p> <p>Activation codes are available on the backings of every DYMO Stamps® Postage Label Roll and along the side panel of DYMO Printable Postage Sheets.</p> <p>These activation codes are alphanumeric and can be up to 50 characters long.</p> <p>Activation codes will be verified for every 205 stamps printed on DYMO Stamps® Postage Label Roll and every 85 stamps printed on DYMO Printable Postage Sheets.</p> <p>*Prompted only for no-monthly fee accounts</p>
DateAdvance	Numeric	0-7 (default range)	<p><i>The number of days to advance date on the indicium.</i></p> <p><i>When used, this element advances the date on the indicium by the number of days selected from the range of values.</i></p> <p><i>Default range: (0-7) days.</i></p>
ShipDate	Date	MM/DD/YYYY	<i>Date mailpiece is shipped.</i>
ShipTime	Time	HH:MM AM or HH:MM PM	<p><i>Time mailpiece is shipped.</i></p> <p><i>Sunday and Holiday Delivery Service. Ignored for other mail classes.</i></p>
CostCenter	Numeric	8	<i>Cost-center code for accounting purposes.</i>
ReferenceID	Text	50	<i>A reference value for your logs.</i>

Element		Type	Size or Values	Description
	StampsRequests	Node	-	Container Node for the StampsRequest list
	StampsRequest	Node	-	Container Node for the Transaction
	MailClass	Text	FIRST PRIORITY EXPRESS* PRIORITYEXPRESS MEDIAMAIL LIBRARYMAIL FIRSTCLASSMAILINTERNATION AL FIRSTCLASSPACKAGEINTERNA TIONALSERVICE PRIORITYMAILINTERNATIONAL PRIORITYMAILEXPRESSINTER NATIONAL	Domestic: First-Class Priority Mail Express Mail* Priority Mail Express Media Mail Library Mail International: First-Class Mail International First-Class Package International Priority Mail International Priority Mail Express International
	MailpieceShape	Text	Card Letter Flat Parcel FlatRateEnvelope FlatRateLegalEnvelope SmallFlatRateBox MediumFlatRateBox LargeFlatRateBox	Shape of the mailpiece.

Element			Type	Size or Values	Description	
			<i>ToCountryCode</i>	<i>Text</i>	2	<i>Two-character country code of the recipient's country.</i> <i>For a table of valid country names, see Country Code Table.</i> <i>Required when mail class is FirstClassInternational, FirstClassPackageInternationalService, PriorityMailInternational, ExpressMailInternational (PriorityMailExpressInternational).</i>
			WeightOz	Numeric	4.1	Weight of the package, in ounces. For custom stamps, the weight should be set to 0 oz.
			UseUserRate	Text	TRUE FALSE	Use to print a custom rate stamp. Use to print default rate (default).
			UserRate	Numeric	4.1 '0' (zero)	Specify custom rate value of the stamp. Prints 'zero dollar' postage stamp
			Count	Numeric		Number of stamps of the specified mail class and mailpiece
			<i>Machinable</i>	<i>Text</i>	<i>TRUE</i> <i>FALSE</i>	<i>Mailpiece is machinable. (Default)</i> <i>Mailpiece is non-machinable.</i>

Element				Type	Size or Values	Description
			Date	Date	MM/DD/YYYY	Use only with zero postage stamp request ELS will throw <i>MissingOrInvalidElement</i> error if the format is incorrect. ELS will throw <i>InvalidDateInput</i> error code 1105 with the message "The date input is outside of the allowed range." if the date is outside of the range +/- 1 from server's date. If no date is passed, then ELS will use the server date in UTC

XML Request Code Sample

The following listing shows an example of the StampsRequestXML.

Listing 29-1: StampsRequest XML

```
<?xml version="1.0" encoding="utf-8"?>
<StampsRequest Test="string" ImageFormat="string">
  <AccountID>string</AccountID>
  <PassPhrase>string</PassPhrase>
  <DateAdvance>int</DateAdvance>
  <StampRequests>
    <StampRequest>
      <MailpieceShape>string</MailpieceShape>
      <MailClass>string</MailClass>
      <ToCountryCode>string</ToCountryCode>
      <WeightOz>double</WeightOz>
      <UseUserRate>boolean</UseUserRate>
      <UserRate>double</UserRate>
      <Count>int</Count>
      <Machinable>boolean</Machinable>
    </StampRequest>
    ..
  </StampRequests>
  <RequesterID>string</RequesterID>
  <MediaType>string</MediaType>
  <XStartLabel>string</XStartLabel>
  <YStartLabel>string</YStartLabel>
  <ActivationCode>string</ActivationCode>
</StampsRequest>
```

StampsResponse XML Syntax

The following table describes the XML tags for StampsResponse.

Table 29-2: StampsResponse XML Elements

Element		Type	Size or Values	Description
StampsResponse		Root	-	The root node for the XML request.
	StampsRequested	Numeric		Total number of stamps requested
	TotalRate	Numeric		Total rate for the entire stamps request
	Base64LabelImage	Base64 string		Image of the stamps Supported formats: PDF, PNG
	StatusPrinting	Numeric	0 1	Indicates if the stamp request succeeded or failed: Success Failed. The response contains an ErrorMessage element describing the error.
	ErrorMessagePrinting	Text	150	Error Message. See StatusPrinting.
	SuccessCountPrinting	Numeric	0 1	Indicates if the stamp request succeeded or failed: Success Failed. The response contains an ErrorMessage element describing the error.
	PostageBalance	Numeric	4.2	Account postage balance
	StampsResponses	Node	-	Container Node For the StampsResponseList
	StampsResponse	Node	-	Container Node For the Transaction
	PerItemRate	Currency	4.2	Postage rate for a single stamp
	StatusPrinting		0 1	Indicates if the stamp request succeeded or failed: Success Failed. The response contains an ErrorMessage element describing the error.
	ErrorMessagePrinting	Text	150	Error Message. See StatusPrinting.
	SuccessCountPrinting	Numeric	4	Number of stamps successfully printed out of the requested number of stamps

Element			Type	Size or Values	Description	
			TotalRate	Numeric	4.2	PerItemRate X number of stamps requested
			TransactionIDs	Node		Container Node for TransactionID
			TransactionID	Long		
			StampsRequested	Numeric		Number of stamps requested.

XML Response Code Samples

The following listing shows an example of the LabelRequestResponse XML.

Listing 29-2: StampsResponse XML

```
<?xml version="1.0" encoding="utf-8"?>
<StampsResponse xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <StampsRequested>int</StampsRequested>
  <TotalRate>double</TotalRate>
  <StampResponses>
    <StampResponse>
      <PerItemRate>double</PerItemRate>
      <StatusPrinting>string</StatusPrinting>
      <ErrorMessagePrinting />
      <SuccessCountPrinting>int</SuccessCountPrinting>
      <TotalRates>double</TotalRates>
      <TransactionIDs>
        <TransactionId>string</TransactionId>
        <TransactionId>string</TransactionId>
      </TransactionIDs>
      <StampsRequested>int</StampsRequested>
    </StampResponse>
    ...
  </StampResponses>
  <Base64LabelImage>
    ...
  </Base64LabelImage>
  <StatusPrinting>0</StatusPrinting>
  <ErrorMessagePrinting />
  <SuccessCountPrinting>int</SuccessCountPrinting>
  <PostageBalance>double</PostageBalance>
  <ImageData>
    <Base64LabelImage>
      ...
    </Base64LabelImage>
  </ImageData>
</StampsResponse>
```



Error Codes

The following table shows StampsRequest error codes.

Table 29-3: StampsRequest Error Codes

Error Code	Error Code String	Error Message
101003	StampsNotAllowedForAccountOrPartner	Account or Partner is not allowed to process stamp request.
11702	PrintablePostageActivationCodeRequired	Printable postage activation code required.

30. ADDITIONAL ENDICIA API'S

Dial-A-ZIP API

As full-featured as Label Server is, there are limits to its ability to handle invalid addresses.

The Endicia Label Server Web Service creates a valid label if the destination address:

- is an exact match.
- has a valid city, state, and ZIP Code, but the street address is not a match.
- is a default match in the Dial-A-ZIP address database.

The Endicia Label Server Web Service returns an error if the destination address:

- is invalid.
- has an invalid city, state, or ZIP Code.
- is not found.
- has multiple matches, or is too ambiguous to resolve to a default address.

Dial-A-ZIP enables you to prevalidate and correct addresses before you send them to Label Server. Dial-A-ZIP uses the same logic as the US Postal Service to correct the city, state, and ZIP Code, as well as append the +4 ZIP Code, and provides additional details.

For more information on proper addressing, you can download USPS Publication 28, Postal Addressing Standards, at <http://pe.usps.com/cpim/ftp/pubs/Pub28/pub28.pdf>.

DYMO Printable Postage XML

The DYMO Printable Postage solution is available with your Endicia Label Server accounts. DYMO Printable Postage can print stamps without entering any address information. While DYMO Printable Postage is a client-based program, Endicia has an XML interface for DYMO Stamps rolls that can be printed through DYMO printers and Printable Postage sheets that can be printed through laser and inkjet printers. This interface can be used in conjunction with Endicia Label Server as a solution when an address label is not required. More information is available upon request. For more information, see <http://www.endicia.com/Features/InstaPostage/>

Endicia XML

You may find that the Label Server API is more than you need for your shipping needs or that you need to integrate your shopping cart or online auction software into an XML solution that will work with DAZZle or Endicia for Mac. Available for PC or Mac, you can find more information at <http://www.endicia.com/developer-resources>.

Integrated Partners

Over 180 third-party software developers have integrated Endicia Label Server, Dial-A-ZIP, or Endicia XML into their own custom solutions. See the full list at: <http://www.endicia.com/all-partners/integrated-partners>.

31. ABOUT TIME ZONES

The US Postal Service operates on specific time schedules. Whether it is for the purpose of measuring performance of a particular mail class at origin or destination points, or in determining the availability of additional services, it is important to understand the role time plays in your business practices.

Server Settings

Our servers are set to UTC (Coordinated Universal Time), which does not change for regional Daylight Savings Time.

The following table may help as a general rule for US shipping times.

Time Zone	Standard Time	Daylight Savings Time (DST) *
Eastern (ET)	-5	-4
Central (CT)	-6	-5
Mountain (MT)	-7	-6
Pacific (PT)	-8	-7 (<i>except AZ</i>)
Alaska (AT)	-9	-8
Hawaii-Aleutian (HT)	-11	Not observed

* Note that there are exceptions in some parts of Arizona and other states.

Daylight Savings Time is generally in use from March to November each year.

In the preceding chart, the minus (-) represents how many hours the time zone is *behind* UTC. So, your local time *plus* the appropriate number for your time zone represents UTC.

Reports that you run through your endicia.com account display your local time zone based on the physical address specified on your account.

Label Request

When a Label Request is received and processed, the <TransactionDateTime> will be in UTC time that was recorded on our servers for the transaction.

The date that appears on the <PostmarkDate> element and is printed on the label, is determined using your local time zone, based on the *Physical Address ZIP Code* for your account, plus the value of the <DateAdvance> element (if used).

Example: Your account contains a Physical Address ZIP Code in the Pacific Time zone. You print a Label Request on Thursday, July 3 at 7:15 PM which contains a <DateAdvance> value of 2.

- The <TransactionDateTime> will be 20140704021500 (the UTC time of the transaction).
- The <PostMarkDate> will be 20140705. JUL 5 2014 will be printed on the label.

When DateAdvance is used in a Label Request, the <TransactionDateTime> is unaffected. If <DateAdvance> contains a value greater than zero, the <PostmarkDate> in the Response and on the printed label will be advanced based on that number.

No adjustments for weekends or holidays are made in Label Server, so you are responsible for ensuring that the USPS will accept pieces with meter dates on Sundays, holidays, or other USPS non-delivery days.

When you print a label, the tracking and other label information is transmitted to the USPS servers within 15 minutes to indicate that the label was printed. This is treated as an *event* in the tracking history, so that if your addressees view the status online, they will be sure to see their current shipment tracking information.

SCAN Request

For details, see [Using the SCAN Form API](#).

Package Pickup Request

For details, see [Requesting Package Pickup API's](#).

Package Status Request

All times shown in EventDateTime and StatusDescription are local to the location where the event was recorded.

32. LABELTYPE, LABELSIZE, AND MAILPIECESHAPE BY MAILCLASS

The following table shows the valid combinations that can be used with the available mail classes. Note that LabelType and LabelSize Attributes, and the MailpieceShape Element are optional, and may be excluded from the request (or null) if you want the default result. For LabelType Domestic or International, see [Integrated Customs Form Options](#).

For a detailed listing of the various services and combinations of services available, please visit the USPS website at <https://www.usps.com/business/add-extra-services.htm>

LabelType	MailpieceShape	LabelSize	Result	EPL/ZPL
First-Class Package Service and First-Class Mail Parcel				
Null or Default	Null, Parcel, or IrregularParcel ¹	Null or 4x6	4×6 Label	Y
		3.5x5.25	3.5×5.25 Label	Y
		4x4.5	4×4.5 Label	Y
		4x5	4×5 Label	Y
		4x8	4x6 Label with 2” Doctab	Y
		6x4	6×4 Label	N
		DocTab	Eltron 4×6.75 Label	Y
CertifiedMail	Null, Flat, or Parcel	Null or 4x6	4×5.375 Label ²	N
		4x8	Eltron 4x8 Label	Y
		7x4	7×4 Label	N
		8x3	8×3 Label	N
		Booklet	8.675×4.5 Label	N
		EnvelopeSize10	#10 Envelope	N
International ³	Parcel	Null or 4x6	Customs form	Y
Domestic	Flat or Parcel	N/A	Customs form	Y ⁴
		4x8	4×6 Label with 2” Doctab	Y
First-Class Card, Letter, and Flat				
DestinationConfirm	Card	6x4	6×4 Label	Y
	Letter or Flat	Null or 6x4	6×4 Label	Y
		7x3	7×3 Label	N
		Dymo30384	DYMO 30384 Label	N
		EnvelopeSize10	#10 Envelope	N
		Mailer7x5	7×5 Label	N
CertifiedMail	Letter or Flat	Null or 4x6	4×5.375 Label ⁵	N

¹ IrregularParcel is used only for First-Class Package Service Parcels which do not meet the criteria in <http://pe.usps.com/text/dmm300/201.htm#1097350>. A \$0.20 surcharge will be applied.

² LabelSize is ignored.

³ MailClass FirstClassPackageInternationalService

⁴ Customs form not required for parcels less than 16 ounces.

⁵ LabelSize is ignored.

LabelType	MailpieceShape	LabelSize	Result	EPL/ZPL
		4x8	Eltron 4x8 Label	Y
		7x4	7x4 Label	N
		8x3	8x3 Label	N
		Booklet	8.675x4.5 Label	N
		EnvelopeSize10	#10 Envelope	N
International ⁶	Letter or Flat	Null or 4x6	Customs form	Y
Default	Flat	4x6	6x4 landscape Label	Y
Priority Mail				
Null or Default	Null, Flat, Parcel, LargeParcel, and all RegionalRate and FlatRate ⁷ shapes.	Null or 4x6	4x6 Label	Y
		3.5x5.25	3.5x5.25 Label	Y
		4x4.5	4x4.5 Label	Y
		4x5	4x5 Label	Y
		6x4	6x4 Label	N
		DocTab	Eltron 4x6.75 Label	Y
		4x8	4x8 Label	Y
CertifiedMail ⁸	Flat or Parcel	Null or 4x6	4x5.375 Label ⁹	N
		4x8	Eltron 4x8 Label	Y
		7x4	7x4 Label	N
		8x3	8x3 Label	N
		Booklet	8.675x4.5 Label	N
		EnvelopeSize10	#10 Envelope	N
International ¹⁰	Null, Flat, Parcel, FlatRateEnvelope, FlatRateLegalEnvelope, FlatRatePaddedEnvelope, or Small, Medium, or Large FlatRateBox	Null	Customs form	Y ¹¹
		4x6	Customs form	Y
		4x8	Customs form	Y
		Null	Customs form	Y
Domestic		N/A	Customs form	Y ¹³

⁶ MailClass FirstClassMailInternational – Label Server returns a customs form for letter and flat shapes, although not required.

⁷ This includes the new FlatRateLegalEnvelope, FlatRatePaddedEnvelope, FlatRateGiftCardEnvelope, FlatRateWindowEnvelope, FlatRateCardboardEnvelope, and SmallFlatRateEnvelope.

⁸ When using LabelType Default and choosing CertifiedMail from the Services node, MailpieceShape Letter is not an available option for Priority Mail.

⁹ LabelSize is ignored.

¹⁰ MailClass PriorityMailInternational

¹¹ Flat Rate Envelope or Small Flat Rate Box only.

¹³ Customs form not required for parcels under 16 ounces.

LabelType	MailpieceShape	LabelSize	Result	EPL/ZPL
	Null, Flat, Parcel, LargeParcel, and all RegionalRate and “FlatRate” ¹² shapes.	4×8	4×8 Label with Doctab	Y
Priority Mail Express				
Null or Default	Null, Letter, Flat, Parcel, or FlatRate and FlatRate Legal Envelope	Null or 4x6	4×6 Label	Y
		4x4.5	4×4.5 Label	Y
		4x5	4×5 Label	Y
		4x8	4×6 Label with 2” Doctab	Y
		DocTab	Eltron 4×6.75 Label	Y
International ¹⁴	Null, Flat, Parcel, FlatRateEnvelope or FlatRateLegalEnvelope	Null	Customs form	Y ¹⁵
		4x6	Customs form	Y
		4x8	Customs form with 2” Doctab	Y
		Null	Customs form	Y
Domestic	Null, Flat, Parcel, and all RegionalRate and “FlatRate” ¹⁶ shapes.	Null or 4x6	Customs form	Y ¹⁷
		4x8	4×8 Label with Doctab	Y
Library Mail and Media Mail				
Null or Default	Null or Parcel	Null or 4x6	4×6 Label	Y
		3.5x5.25	3.5×5.25 Label	Y
		4x4	4x4 Label	Y
		4x4.5	4×4.5 Label	Y
		4x5	4×5 Label	Y
		4x8	4×6 Label with 2” Doctab	Y
		6x4	6×4 Label	N
		DocTab	Eltron 4×6.75 Label	Y
Domestic	Null or Parcel	Null or 4x6	Customs form	Y
		4x8	Customs form with 2” Doctab	Y
Retail Ground, Parcel Select Ground and Parcel Select Lightweight				
Null or Default	Null, Parcel, IrregularParcel, or LargeParcel ¹⁸	Null or 4×6	4×6 Label	Y
		3.5x5.25	3.5×5.25 Label	Y
		4x4	4x4 Label	Y
		4x4.5	4x4.5 Label	Y

¹² This includes the new FlatRateLegalEnvelope, FlatRatePaddedEnvelope, FlatRateGiftCardEnvelope, FlatRateWindowEnvelope, FlatRateCardboardEnvelope and SmallFlatRateEnvelope.

¹⁴ MailClass PriorityMailExpressInternational

¹⁵ Flat Rate Envelope or Small Flat Rate Box only.

¹⁶ Includes FlatRateLegalEnvelope, FlatRatePaddedEnvelope, FlatRateGiftCardEnvelope, FlatRateWindowEnvelope, FlatRateCardboardEnvelope and SmallFlatRateEnvelope.

¹⁷ Customs form not required for parcels under 16 ounces.

¹⁸ IrregularParcel applies only to Parcel Select Lightweight; Large Parcel may be used to indicate Balloon Rate in lieu of entering the MailpieceDimensions.

LabelType	MailpieceShape	LabelSize	Result	EPL/ZPL
		4x5	4x5 Label	Y
		4x8	4x6 Label with 2" Doctab	Y
		6x4	6x4 Label	N
		DocTab	Eltron 4x6.75 Label	Y
Domestic	Null or Parcel	Null or 4x6	Customs form	Y
		4x8	Customs form with 2" Doctab	Y

33. PRESORTING FEATURES

One of the advantages of using PC Postage is the ability to use USPS presort discount rates that are not available through retail channels. Among these are the Parcel Select Commercial discounts.

The following additional elements are used in the [Requesting a Shipping Label API \(Required\)](#) LabelRequest API.

Table 33-1: Additional Elements for Presort Services

Element	Type	Size or Values	Description
AutomationRate	String	TRUE	Use applicable automation rate for selected mail class.
		FALSE	Use retail price. (Default)
			Available only for letter shape mailpiece using First-Class.
SortType	String	NDC FiveDigit MixedNDC Nonpresorted Presorted SCF SinglePiece ThreeDigit	Sort level for applicable mail classes
EntryFacility	String		Postal facility where the mail is entered. If this element is not set to Other, the ZIP Code of this facility must be specified in POZipCode.
		DNDC DDU DSCF Other	Destination NDC Destination Delivery Unit Destination Sectional Center Facility Other postal facility (Default)

The following tables correspond to the USPS Price List (Notice 123) and can be used with Label Server to obtain lower rates. Contact your local USPS Business Service Network (BSN) representative for details specific to your mailing circumstances. For more information, see <https://ribbs.usps.gov/locators/find-bsn.cfm>.

Parcel Select Destination Entry

COMMERCIAL PARCELS—MACHINABLE

- MailClass: ParcelSelect
- WeightOz: Maximum 35 lbs
- POZipCode: required (highest Zone: 5)
- Machinable: TRUE
- Include <MailpieceDimensions> node to ensure Balloon rates are applied, if applicable.

Note: Endicia Label Server will use Nonmachinable rates if weight exceeds 35 lbs (560 ounces).

SortType	EntryFacility
Presorted	DDU
Presorted	DSCF
Presorted	DNDC

Parcel Select Destination Entry

COMMERCIAL PARCELS—NONMACHINABLE

- MailClass: ParcelSelect
- WeightOz: Maximum 70 lbs
- POZipCode: required (highest Zone: 5)
- Machinable: FALSE
- Include <MailpieceDimensions> node to ensure Balloon or Oversized rates are applied, if applicable.

SortType	EntryFacility
Presorted	DDU
FiveDigit	DSCF
ThreeDigit	DSCF
Presorted	DNDC

Parcel Select Ground

COMMERCIAL PARCELS

- MailClass: ParcelSelect
- POZipCode: *not* required
- Machinable: TRUE
- Include <MailpieceDimensions> node to ensure Balloon or Oversized rates are applied, if applicable.

SortType	EntryFacility
Nonpresorted	Other

Parcel Select Lightweight

COMMERCIAL PARCELS

- MailClass: ParcelSelect
- MailpieceShape: IrregularParcel
- WeightOz: between 1 and 15.9 oz.


SortType	EntryFacility	POZipCode
FiveDigit	DDU	Required
FiveDigit	DSCF	Required
FiveDigit	DNDC	Required

SortType	EntryFacility	POZipCode
SCF	DSCF	Required
SCF	DNDC	Required
NDC	DNDC	Required
NDC	Other	Not Required
MixedNDC	Other	Not Required

A. Path to Production

Path to Production

Use the following checklist and guide to plan and create your implementation of the ELS Web Services.

	Steps
Agreement	
<input type="checkbox"/>	<p>1. With your MND (Mutual Non-Disclosure Agreement) completed, you can move forward with your development.</p> <p>Keep the name, email address, and phone number of your Endicia Sales representative available. You will be working very closely together.</p>
Development	
<input type="checkbox"/>	<p>2. You can begin integrating ELS Web Service to your application by pointing to the ELS test environment, also referred as the ELS Sandbox.</p> <p>You can sign up for a test account at: http://account.elstestserver.endicia.com/partner?id=1xxx</p> <p>You can access the ELS Sandbox at: https://elstestserver.endicia.com/LabelService/EwsLabelService.asmx</p> <p>For more information, see The Endicia Label Server Web Service.</p>
<input type="checkbox"/>	<p>3. The following web methods represent the core functions of ELS Web Service. These are mandatory web methods to which you must build an interface:</p> <ul style="list-style-type: none">• Setting and changing your Pass Phrase—Changing the Pass Phrase API (Required)• Purchasing postage—Buying Postage API (Required)• Printing labels—Requesting a Shipping Label API (Required) <p>This document also includes several additional web methods beyond these core functions that you can use to enhance the capabilities of your application. For a complete list of web methods and the URLs for testing and production, see The Endicia Label Server Web Service.</p>
<input type="checkbox"/>	<p>4. After you have built and tested your interface, ensure that your application has strong built-in security measures to protect your customers' activities.</p> <p>For more information, see About Security.</p>
<input type="checkbox"/>	<p>5. Thoroughly test your ELS Web Service Integration before proceeding to production.</p>
<input type="checkbox"/>	<p>6. To access the Endicia Production servers, please ensure that you have completed all of the preceding steps and have provided the following to your Endicia Sales representative:</p> <ol style="list-style-type: none">a. Complete the USPS Partner Profile—"Exhibit B"—Partner Description, in the ELS Agreement.b. Review and sign your ELS agreement.

✓	Steps
	<p>c. If you are using thermal printers in your production environment, you must scan or photograph sample labels and send them to labelserver@endicia.com for approval prior to going live.</p> <p>For more information, see About Label Requirements.</p>
Production	
<input type="checkbox"/>	<p>7. Now that you have access to the Endicia Production servers, you are ready to print live postage! But first, you will need to sign up for an Endicia account either by using the Signup Link provided by your Endicia Sales representative or by invoking the Signing Up for an Account API. Be sure to make a note of the Internet Password and Pass Phrase that you used while creating your account and always use a valid email address—preferably the email address at which you will want to be contacted for updates and notifications. Make your initial postage purchase using the Buying Postage API.</p> <p>A newly created account will have a maximum purchase limit of \$500 and a maximum account balance of \$500. Contact your Endicia Sales representative to increase this limit.</p>
<input type="checkbox"/>	<p>8. You can access your account pages at www.endicia.com to:</p> <ol style="list-style-type: none"> Agree to legal terms to start using Endicia Parcel Insurance. Change account contact information. Change your payment method.
<input type="checkbox"/>	<p>9. You can contact Endicia Customer Support in the following ways:</p> <ul style="list-style-type: none"> For ELS web service-related technical questions, send email to labelserver@endicia.com Monday through Friday 6:00 AM–6:00 PM PST. Note: If your questions involve a specific web method, always include the XML Request and Response in your email. If needed, a phone call can be scheduled with a technical support specialist. For agreement-related questions, contact your Endicia Regional Sales representative. For account management, website password change, and Pass Phrase resets, call 1-800-576-3279 ext. 270.

B. Change History

The following table shows the changes to the Endicia Label Server. The most recent changes appear first.

Date	Change
2016-10-18 Ver 8.6	<ul style="list-style-type: none"> • GetTransactionsListing Response new elements: Zone, Cubic Volume Indicator & Refund Details node. • Service Type Code validation for CalculatePostageRate and CalculatePostageRates. • GetPackagePickUp and GetPackagePickUpChange now support First-Class Package Service. • GetPostageLabel: Validation added for Value and MailpieceDimensions for First-Class Package International Service. • GetPostageLabel: Validation for MailpieceDimensions for First-Class; IrregularParcel will add \$0.20 Surcharge. • GetPostageLabel: New ImageFormat options: PDFVector and PDFVectorWithFonts.
2016-05-10 Ver 8.5	<ul style="list-style-type: none"> • Updates/enhancements to SCAN Request and Response XML. • Updates/enhancements to GetTransactionsListing XML. • Changes to CFC API Responses • GetAccountStatus Response AccountFeature node in XML Response. • GetPostageLabel new Response element: <EstimatedDeliveryDate>. • Improvements to handling long addresses in customs forms. • Stamps API changes: Unique Transaction ID for each stamp requested.
2016-01-17 Ver 8.4	<ul style="list-style-type: none"> • Discontinued MailClass CriticalMail and MailpieceShape RegionalRateBoxC; discontinued Priority Mail Express and Priority Mail Express International Flat Rate Boxes. • Redesigned all customs forms to new USPS specifications. Label Server will select the customs form, so the <IntegratedFormType> is no longer required in Label Requests. In addition: <ul style="list-style-type: none"> ○ All customs forms will be printed to 4x6 by default. You do not need to select a LabelSize value unless you want the 4x8 label (with the 2" tab at the leading edge). There is no longer an option for full-size customs forms. ○ A new form, PS Form 2976-B will be returned for all Priority Mail Express and Priority Mail Express International. ○ Shipments to Australia, Canada and Costa Rica will return a single-page customs form. Additional pages are not required. ○ The new USPS customs forms do not include a Comments block, so any value in <RestrictionComments> will not be printed on the label. • Rebranded the following services: <ul style="list-style-type: none"> ○ Parcel Select Nonpresort is now Parcel Select Ground ○ Standard Post is now Retail Ground • Discontinued Parcel Select NDC and ONDC rating categories.

Date	Change
	<ul style="list-style-type: none"> Parcel Select Lightweight will now have a single price table – no longer divided by Machinable and Nonmachinable. USPS is providing insurance up to \$200 for non-documents and \$100 for documents (Document reconstruction coverage) for Priority Mail International. Discontinued First-Class Package Service presorted rates. Discontinued Commercial Plus Pricing for First-Class Package Service. The “Special Handling – Fragile” text on labels will be printed below the position of <RubberStamp3>. The text will appear only when <SpecialContents> is set to “Fragile”. Metro Post will only be available for customers with a National Service Agreement (NSA) with the USPS. Updated Appendix D: Country Code Table. <p>For a detailed explanation of all changes, contact Label Server Support at labelserver@endicia.com and ask for Product Advisory Notice 2016-01.</p>
2015-10-15 Ver 8.3.2	<ul style="list-style-type: none"> Added new element <FromCountryCode> to Label Request, PostageRateRequest and PostageRatesRequest to support returns labels to USA from France. Fix Pay-on-Use erroneously returning a label response for First-Class Letter and Flat shapes. LabelType DestinationConfirm will be enabled by default on new accounts upon ELS 8.3.2 deployment.
2015-08-18 Ver 8.3	<ul style="list-style-type: none"> Updates to the UserSignUp Request Added new web methods <ul style="list-style-type: none"> UpdatePaymentInfo CloseAccount Web Password as an authentication method will be discontinued. Added support for branded international services for consolidators.
2015-05-31 Ver 8.2	<ul style="list-style-type: none"> Added new zone-based rating for Priority Mail International shipments to Canada USPS changed the way it calculates Extra Service fees and has bundled some Extra Services with reduced total fees. PC Postage users get a \$0.005 discount for First-Class Mail Letters. Hold For Pickup (HFPU) has a new label format. Added Rubber Stamps for ISC Dropship labels. Added new Special Handling types to the <SpecialContents> element in the Label Request API. USPS Tracking (Delivery Confirmation service) is now free for all mail classes except Standard Mail. Adult Signature service is expanding to include First-Class Package Service and Parcel Select Lightweight mail classes. Additional Service fees apply. Discontinued Restricted Delivery as a stand-alone Extra Service. Restricted Delivery can only be used when combined with another Extra Service that requires a signature.

Date	Change
	<ul style="list-style-type: none"> USPS will now capture a signature at delivery for all USPS insured shipments with a value over \$500. This used to be \$200.
2014-10-21 Ver 8.1.6	<ul style="list-style-type: none"> Updated the GetAccountStatus API to return additional information. Removed the "Postal Use ONLY" section for all of the PME label layouts as per the USPS label guidelines. <ul style="list-style-type: none"> Font size of the 'Ship To' address section has been increased to 10 pt. Per USPS label guidelines, the IMpB barcode height has been reduced from 1" to 0.75" for all label layouts. Priority Mail Express labels can now support up to 6 'Ship To' address lines. Miscellaneous bug fixes. <ul style="list-style-type: none"> FCMI parcels were allowed to incorrectly have dutiable items over the maximum limit of \$400. FCPS Parcels for 15-15.9 oz were being incorrectly rounded to 1 lb weight. Added multiple new error codes.

For the full change history, please contact Endicia Label Server Technical Support at labelserver@endicia.com.

C. Error Codes

Note: Some codes have changed. Changed codes are indicated by ~~yellow strikethrough~~ with the new code shown above it.

Error Code	Error Code String	Error Message
101	GenericError	{Error Message}
102	InternalEndiciaError	Internal Endicia Error: {Error Message}
307	InvalidOriginZipCode	Invalid origin ZIP Code.
308	InvalidDestinationZipCode	Invalid destination ZIP Code.
404	MailClassNotSupported	Mail class not supported ({Mail Class}).
405	InvalidMailClass	Invalid mail class ({Mail Class}).
406	MailpieceWeightMustBePositive	Mailpiece weight must be greater than zero.
407	MailpieceWeightExceedsMaximum	Weight ({Weight} ounces) exceeds maximum allowed for Mail Service ({Weight} ounces).
409	InvalidMailpieceValue	{Description} value is invalid.
410	MailpieceValueMustBePositive	{Description} value must be greater than \$0.00.
411	MailpieceValueExceedsMaximum	Mailpiece value exceeds the {Amount} maximum allowed for {Insurance Type} .
412	MailpieceShapeNotSupported	Mailpiece shape not supported ({Mailpiece Shape}).
413	InvalidMailpieceShape	Invalid mailpiece shape ({Mailpiece Shape}).
414	ServiceLevelNotSupported	Service Level not supported ({Service Level}).
415	InvalidServiceLevel	Invalid Service Level ({Service Level}).
416	SortTypeNotSupported	Sort Type not supported ({Sort Type}).
417	InvalidSortType	Invalid Sort Type ({Sort Type}).
418	PricingNotOffered	{Pricing} pricing is not offered for {Mail Service} .
420	MailServiceNotAvailableToCountry	{Mail Service} is not available to {Country Name} .
421	InvalidCountry	{Country} is not a valid country.
422	OnlinePostageNotAllowed	Online postage is not allowed for {Mail Service} to {Country Name} .
423	LimitedMailServiceToCountry	{Mail Service} to {Country Name} is limited to {allowed mail service(s)} .
430	MailpieceDimensionsMustBePositive	Mailpiece length, width, and height must be greater than zero.

Error Code	Error Code String	Error Message
431	MailpieceDimensionsRequired	Mailpiece dimensions are required for {Mail Class} .
434	LengthPlusGirthExceedsMaximum	Mailpiece length plus girth of {Dimension} " exceeds maximum of {Dimension} " allowed by Mail Service.
436	InvalidEntryFacility	Invalid Entry Facility ({Entry Facility}).
437	EntryFacilityDoesNotServiceDesination	Entry Facility {Entry Facility} does not service destination ZIP code {ZIP code} .
440	DeliveryConfirmationNotAvailable	Delivery Confirmation is not available for {Description} .
441	SignatureConfirmationNotAvailable	Signature Confirmation is not available for {Description} .
448	InsuranceNotAvailableToCountry	{Insurance Type} is not available to {Country Name} .
449	ExtraServiceNotAvailable	{Extra Service} is not available for this mailpiece.
501	NoCubicPostageCalculator	Cubic postage calculator is not available for {Mail Class} {Pricing} pricing.
502	CubicPricingNotOffered	Cubic pricing is not offered for {Mail Class} {Pricing} pricing.
503	MailpieceCubicVolumeMustBePositive	Mailpiece cubic volume must be greater than zero.
504	MailpieceCubicVolumeExceedsMaximum	Cubic volume ({Volume} cu. ft.) exceeds maximum of {Volume} cu. ft. allowed for mail service.
1001	MissingOrInvalidXMLElement	Missing or invalid data element: {Element Name}
1002	ElementNotAllowed	Element not allowed: {Element Name}
1011	InvalidTrackingNumber	Service Type Code in Tracking Number must match Services requested for the package.
1020	InvalidRecreditAmount	RecreditAmount must be greater than zero and less than \$100,000.
1050	NoCustomsItems	Customs Info does not contain any customs items.
1051	InvalidCustomsItemData	{Element Name} must be a positive numeric value {Amount} or less.
1052	TotalCustomsValueMustBePositive	Total customs value must be a positive numeric value 99999.99 or less.
1053	ContentsWeightExceedsPackageWeight	Total package weight must be equal to or greater than the sum of the item weights.

Error Code	Error Code String	Error Message
1054	ExceedsItemLimitForCustomsForm	{Form Type} is limited to only {n} items.
1055	ExceedsValueLimitForCustomsForm	Total customs value cannot exceed {Amount} for mailpiece using Customs Form {Form Type} .
1059	InvalidMailClassForOD	{Mail Class} is not a valid MailClass for open and distribute service.
1061	NoServicesAllowedForOD	No extra services are allowed with Open and Distribute service
1062	IncorrectWeightForOD	Enclosed mail cannot be placed directly in sacks and should be placed in tray(s), if package weight is less than 5lbs
1064	ConflictingServices	Conflicting services requested.
1066	SelectedServicesDoNotApply	Selected services {Service 1, Service 2,...} do not apply.
1067	SignatureRequired	Signature cannot be waived for Express Mail shipments when Adult Signature, COD, USPS insurance, or Hold For Pickup has been selected.
1101	AccountNotAuthorizedForLabel	Account # {Account Number} is not authorized for the requested label type.
1103	MailpieceShapeNotSupportedForLiveAnimals	USPS-provided packaging is not allowed when shipping live animals.
1109		Endicia Pay-On-Use Returns service is not available for this USPS service combination.
1501	ExceedsLimitForAddressLines	Address lines exceed maximum allowed.
1505	MailClassNotAllowedForLabel	{Mail Class} is not allowed for label.
2010	InvalidAccountStatus	Account # {Account Number} has an invalid status. Please contact the Endicia Label Server Support Team .
2011	AccountNeedsPassPhraseReset	Account # {Account Number} requires a Pass Phrase reset.
2012	AccountSuspendedBadLogins	Account # {Account Number} has been suspended due to multiple login attempts with an incorrect Pass Phrase. Please contact Endicia customer support at (650) 321-2640 x130 or LabelServer@endicia.com .
2013	AccountSuspendedForCause	Account # {Account Number} has been suspended. Please contact Endicia customer support at (650) 321-2640 x130 or LabelServer@endicia.com .

Error Code	Error Code String	Error Message
2014	AccountPendingClose	Account # {Account Number} is scheduled to be closed. Please contact Endicia customer support at (650) 321-2640 x130 or LabelServer@endicia.com.
2015	AccountIsClosed	Account # {Account Number} is closed. Please contact Endicia customer support at (650) 321-2640 x130 or LabelServer@endicia.com.
2020	AccountNotQualifiedForMailClass	Account # {Account Number} is not qualified for {Mail Class} .
2021	AccountNotQualifiedForFeature	Account # {Account Number} is not qualified for {Feature Description} .
3005	NameOrCompanyRequired	{Sender's Recipient's} name or company required.
3010	InsuredValueExceedsEndiciaMaximum	Insured value exceeds the \$10,000 maximum allowed by Endicia.
3011	InsuredValueMustBePositive	Insured value must be greater than \$0.00.
3020	FailedValidatingShipFromAddress	Unable to validate Ship From address.
3021	FailedValidatingShipToAddress	Unable to validate Ship To address.
3023	ExpressMailNotAvailableToDestination	Express Mail Service is not available to the destination address.
3024	ServiceNotAvailableToDestination	One or more services are not available to the destination address.
3025	CustomsFormNotAllowedForMailpiece	Customs Form is not allowed for mailpiece.
3027	ConsolidatorslabelsNotAllowed	Requested Consolidator Label is invalid.
4001	InvalidFieldInDialAZipResponse	The {Field Name} field in Dial-A-ZIP response is invalid.
11001	FailedRetrievingPICNumber	Unable to retrieve PIC number: {Description}
11002	PICNumberServiceError	Error returned from PIC Number Service.
11003	InvalidPICNumberReceived	Invalid PIC number received: {Number}
11101	FailedRetrievingExpressMailNumber	Unable to retrieve Express Mail number: {Description}
11102	ExpressMailAPIError	Error returned from Express Mail API: {Description}
11110	FailedRetrievingEMCommitments	Unable to retrieve Express Mail Service Commitments: {Description}
11111	NotEligibleForSundayHolidayDelivery	Mailpiece not eligible for Express Mail Sunday/Holiday Delivery Service.

Error Code	Error Code String	Error Message
11112	ServiceCommitmentsNotFound	There were no Express Mail Service Commitments for the mailpiece.
11113	ServiceCommitmentNotOnSundayHoliday	Express Mail Sunday/Holiday Delivery Service not allowed: Service Commitment does not fall on a Sunday or a Holiday.
11114	CannotMeetServiceCommitmentCutOffTime	Ship time is past the latest cut-off time to meet Express Mail Service Commitment.
11115	NoSundayHolidayDeliveryToDestination	Express Mail Sunday/Holiday Delivery Service is not available to ZIP Code {Zip Code} .
11204	FailedRetrievingConfirmCode	Unable to retrieve IMb confirmation code: {Description}
11301	FailedRetrievingLabelNumber	Unable to retrieve {Mail Class/Extra Service} number: {Description}
11302	LabelNumberServiceError	Error returned from Label Number Service: {Description}
11303	NoLabelNumberReceived	Label Number Service did not return a label number.
11304	InvalidLabelNumberReceived	Invalid label number received from Label Number Service: {Label Number}
11401	FailedRetrievingBarcodeNumber	Unable to retrieve {Description} barcode number.
11402	InternationalLabelAPIError	Error returned from International Label API: {Description}
11403	CustomsFormsAPIError	Error returned from Customs Forms API: {Description}
11451	FailedRetrievingAccountInformation	Unable to retrieve information for account #{Account Number}: {Description}
11452	AccountInformationServiceError	Error returned from Account Information Service for account #{Account Number}: {Description}
11453	InvalidValueinAccountInformation	Invalid {Value Name} value received for account #{Account Number} .
11501	FailedValidatingAddress	Unable to validate address: {Description}
11502	NonDeliverableAddress	The address is not a deliverable location according to the US Postal Service.
11503	UnknownDialAZipReturnCode	Dial-A-ZIP Server ({Server Name}) has returned an unknown return code of {value} .
11611	DialAZipInvalidZipCode	Dial-A-ZIP error: Invalid ZIP Code
11612	DialAZipInvalidStateCode	Dial-A-ZIP error: Invalid state code.
11613	DialAZipInvalidCity	Dial-A-ZIP error: Invalid city.

Error Code	Error Code String	Error Message
11621	DialAZipAddressNotFound	Dial-A-ZIP error: Address not found.
11622	DialAZipMultipleMatchesTooAmbiguous	Dial-A-ZIP error: Address is too ambiguous.
11803	DHLSortCodeLookupError	Failed to retrieve DHL Sort code: {DHL sortcode API error message} .
12001	PurchaseTooSmall	Buy transaction must be greater than \$10.00.
12002	IndicumValueZero	Indicum value is zero.
12003	VpoTransactionFailed	VPO transaction failed ({Status Codes}): {Description}
12004	VpoAdminCallFailed	VPO Admin Transaction failed ({Status Codes}): {Description}
12100	UnknownPostageTransactionError	The Postage Transaction has returned an unknown error.
12101	AccountNotFound	The Certified Intermediary's account number is invalid.
12103	InactiveAccount	The Certified Intermediary's account is not active.
12104	InsufficientFunds1	The Certified Intermediary's account does not have enough postage balance to support this transaction.
12115	IndicumMaxExceeded	The indicium postage requested exceeds the account's limit
12116	InvalidCreditCard	Invalid credit card on account.
12117	InvalidCCExpiration	The account credit card's expiration date has passed
12118	InvalidPurchaseAmountLow	The purchase amount is too low.
12119	InvalidPurchaseAmountHigh	The purchase amount exceeds the account's purchase limit.
12120	CreditCardFailed	The credit card transaction failed.
12121	PurchaseUpdateFailed	The update to the account with the credit card information failed.
12124	DatabaseFailure	General database error
12125	InvalidRequest	The XML Request type is not recognized
12128	InvalidCCDeclined	The credit card purchase was declined by the customer's bank.
12129	InvalidCCReferred	The credit card purchase was "referred" by the customer's bank. Contact the bank.

Error Code	Error Code String	Error Message
12130	Unavailable	The Postage Server is unavailable.
12131	InvalidCCAddress	The address on the credit card is invalid.
12132	CCUnavailable	The credit card processing is unavailable.
12133	Locked	The account is locked (possibly in use).
12134	AccountHoldFailed	The request to hold the account for a transaction failed.
12135	InternetAccessFailure	Internet access/communication failure.
12136	AccountIsBusy	Account is busy.
12144	InvalidPartnerCustomerId	PartnerCustomerID is missing or Invalid.
12201	XmlParseError	The XML request cannot be parsed for all required elements. The description provides details on the problem item.
12500	KeyMacCheckFailed	The key on the account has been tampered with and no transactions are allowed.
12502	NegativeDollarIndiciumRequest	Indicium requests must be positive.
12503	InsufficientFunds2	There is not enough money in the account to produce the indicium.
12505	AccountMacFailed	The account information has been tampered with and no transactions are allowed.
12507	IncorrectPassPhrase	The Certified Intermediary's Pass Phrase is incorrect.
12508	IncorrectEmail	The email provided is incorrect.
12509	IncorrectChallengeAnswer	The challenge answer provided is incorrect.
12514	ReplayDetected	The system has detected a duplicate request for postage.
12515	AccountMacCheckFailed	The account information has been tampered with and no transactions are allowed.
12525	AccountSuspended	The account has been suspended and no transactions are allowed.
12669	PassPhraseReused	The new Pass Phrase cannot match up to the four previously used Pass Phrases.
13001	ConfirmReceiptFailed	Internal Error: Confirm Receipt transaction failed for label number {0}.
16000	PackagePickupAPIError	Package Pickup API error: {0}

Error Code	Error Code String	Error Message
16001	FailedCancelingPackagePickup	Failed Canceling Package Pickup: {0}
16002	InvalidPackagePickupConfirmation	The package pickup with confirmation number {0} does not exist or has been cancelled.
22000	InvalidDHLGMPProduct	Invalid DHLGM International product specified in the MailClass element.
22001	DestinationCountryNotAllowed	Destination country is not allowed for specified product.
22002	MaximumWeightExceeded	Maximum weight exceeded for specified product.
22003	DimensionsNotSpecified	Dimensions not specified in the MailpieceDimensions data element.
22004	MaximumLengthExceeded	Maximum length exceeded for specified product
22005	LengthNotSpecified	Length not specified in the MailpieceDimensions data element.
22006	HeightNotSpecified	Height not specified in the MailpieceDimensions data element.
22007	WidthNotSpecified	Width not specified in the MailpieceDimensions data element.
22008	WeightNotSpecified	Weight not specified in the WeightOz data element.
22009	MaximumCombinedDimensionsExceeded	Maximum combined dimensions exceeded for specified product.
22010	DestinationCountryNotSpecified	Destination country not specified in the ToCountryCode data element.
22011	InvalidAccount	Account credentials not specified.
22012	AccountNotEnabledForDHLGM	Account not enabled for DHLGM International.
22014	MaximumCommodityValueForCountryExceeded	Maximum commodity value exceeded for destination country.
22015	ElementMissing	Missing data element: {0}
22016	InvalidShipDate	Invalid data specified in ShipDate element
22017	InvalidWeight	WeightOz data element cannot be zero.
22018	InvalidCustomsData	Invalid data specified in the CustomsInfo element, or CustomsInfo not allowed for product.
22019	CustomsItemsLimitExceeded	Too many customs items specified.
22020	NoCustomsItemsSpecified	No customs items specified.
22021	InvalidCustomsItem	Invalid customs item. Item description: {0}

Error Code	Error Code String	Error Message
22022	CustomsWeightExceedsPackageWeight	The combined weight of the customs items cannot exceed the value in the WeightOz data element.
22023	DestinationCountryCodeNotFound	Could not find country information for specified country code: {0}
22024	StateMissing	ToState is required for destination country {0}
22025	PostalCodeMissing	Postal Code is required for destination country {0}
22026	PhoneRequiredForParcelDirect	ToPhone is required when using GlobalMail Parcel Direct
22027	PhoneNumberTooLong	Phone Number for destination country {0} cannot exceed {1}
22028	HSTariffNumberRequired	HS Tariff Number is required for each customs item for destination country {0}
22029	ItemCodeTooLong	The item code for customs element with description {0} is too long. The limit is 20 characters
22030	DescriptionTooLong	The customs item description is limited to 50 characters. The following description is too long {0}
22031	InvalidState	The specified state {1} is invalid for specified country {0}
22032	AccountNotAuthorizedForService	Account not authorized for requested service: {0}
22033	ErrorGeneratingLabel	There was an error when generating the label
60002 100002	InternalLabelServiceError	Internal Endicia Label Server Web Service Error: {Error Message}
60003 100003	InvalidSoapRequestFormat	The format of the SOAP request is invalid.
60105 100105	FailedCreatingPostageLabel	Failed to create postage label.
60106 100106	FailedCreatingCustomsForm	Failed to create customs form.
60107	StampLabelNotAllowedForWebMethod	A label of type Stamp cannot be created with this web method.
60108	StampRequestNotProcessed	Stamp request not processed (account not charged).
60109	StampRequestNotPrinted	Stamp request not printed. Account charged but postage not printable.

Error Code	Error Code String	Error Message
60110 400110	LabelNotAllowedForOfficialMail	Label is not allowed for official mail.
60111	ClientNotAuthorizedForWebMethod	Client is not authorized to invoke this web method.
60112	FailedCreatingSCANForm	Failed to create SCAN form.
60113	NoShipmentsAddedToSCANForm	No shipments were added to the SCAN form.
60115	FailedCreatingPackagePickup	Failed to create the package pickup: {0}
60116	NotEnoughShipmentsForPickup	Not enough shipments for package pickup.
60118	TransactionsDateSpanTooLarge	Transactions date span cannot be greater than 7 days.
60119	FailedRetrievingTransactions	Failed retrieving transactions. {0}
60120	FailedRetrievingPackageStatus	Failed to retrieve Package Status.
60121	FailedReadingInsuranceRate	Failed to read insurance rate: {0}
60200	SCANFormNotFound	SCAN form could not be found.
60201 400201	AccountNotQualifiedForPricing	Account #{Account Number} is not qualified for {Mail Class} {Pricing} pricing.
60202	AccountNotAuthorizedForWebMethod	Account #{0} is not authorized to invoke this Web method.
60501	NoPostageRatesCalculated	No postage rates calculated.
60502	FailedCalculatingPostageRates	Error calculating postage rates for one or more mail classes: {0}
60505	FailedToCreateAccount	Failed to create account. {0}
60506	ContractIdNotValid	One or more Contract ID(s) are invalid.
60507	PartnerNotAllowedForZeroPostageStamps	Partner - {0} is not allowed to print Zero Postage Stamps.
60508 401008	AccountNotQualifiedForELS	This account is not qualified to access Endicia Label Server. Please contact Endicia customer support at (650) 321 2640 x130 or labelserver@endicia.com .
60510	NoMailPiecesToManifest	
60511	ValidationCompareDifference	
60512	PhysicalAddressNotFound	Physical Address Does Not Exist.
60513	MailingAddressNotFound	Mailing Address Does Not Exist.
60514	CreditCardAddressNotFound	Credit Card Address Does Not Exist.
60515	ContractTypeAlreadyExistsForAccount	

Error Code	Error Code String	Error Message
60519	EPRCustomFormLabelNotAllowed	Endicia Pay-on-Use Return labels are not available for this address
61001	MissingKeyInWebConfig	Missing {0} key in web.config file.
61002	InvalidWebConfigValue	Invalid value for {0} key in web.config file: {1}
61003	MissingConnectionStringSettings	Missing connection string settings for {0} in web.config file.
61103	InvalidColumnInTable	Invalid column {0} in {1} table at row #{2}.
61106	CountryCodeDoesNotExist	The specified country code does not exist: {0}.
61110	InvalidRestrictionCodeArgument	Restriction Code cannot be null or empty.
61111	InvalidRestrictionCodesArgument	Restriction Codes cannot be null or empty.
61112	InvalidRestrictionCodesValue	Restriction Codes is not valid: {0}
61113	RestrictionCodeDoesNotExist	The specified restriction code does not exist: {0}.
61501	InvalidAccountID	Account ID {0} is invalid.
61502	WeightExceedsUspsMaximum	Weight must be 70 pounds (1120 ounces) or less.
61503	WeightExceedsLimitForMailService	Weight is limited to {0} ounces or less for selected mail service.
61510	InvalidLabelDate	Label date {0} is invalid.
61511	LabelDateOutOfRange	Ship date must be within the next {0} days.
61520	DeclaredValueMustBePositive	Declared Value must be greater than \$0.00.
61521	DeclaredValueExceedsMaximum	Declared value exceeds the {0} maximum allowed for {1}.
61530	NameOrCompanyNameRequired	{0}'s name or company name is required.
61531	NoDeliveryAddressLines	{0}'s address must contain at least one delivery address line.
61550	NoCustomsInfo	Customs Info is required for an international mailpiece.
61552	CustomsItemsExceedLimit	Customs Info cannot contain more than {0} customs items.
61554	InvalidCustomsItemQuantity	{0} must be a positive numeric value 999999999 or less.
61555	InvalidCustomsItemWeight	{0} must be a positive numeric value 1120 or less.

Error Code	Error Code String	Error Message
61556	InvalidCustomsItemValue	{0} must be a positive numeric value 99999.99 or less.
61557	TotalCustomsValueExceedsLimit	Total customs value cannot exceed {0} for {1}.
61559	InvalidNumberCounterMax	Number Counter Max must be greater than 0.
61560	InvalidNumberCounter	{0} doesn't exist.
61601	WeightExceedsLimitForMailServiceCountry	Weight is limited to {0} ounces or less for selected mail service to destination country (Country Code: {1}).
61602	WeightExceedsLimitForContainer	Weight is limited to {0} ounces or less for {1}.
61604	OnlinePostageNotAllowedToCountry	Online postage is not allowed for selected mail service to destination country (Country Code: {0}).
61701	InvalidAccountIDConfirm	Wrong Account ID
61703	InvalidMailType	Wrong mail type
61704	InvalidFromZipCode	Wrong sender ZIPCode
61705	InvalidToZipCode	Wrong addressee ZIPCode
61706	InvalidWeight	Weight not authorized
61801	LabelNumberRequestNotValidated	{0} has not been validated.
61802	LabelNumberServiceIsBusy	The Label Number Service is busy.
61803	FailedOpeningDatabaseConnection1	Failed opening database connection.
61804	FailedOpeningDatabaseConnection2	Failed opening database connection ({0}).
61805	InvalidMailerID	Invalid mailer ID: {0}.
61820	DatabaseOperationTimedOut	Database operation timed out in {0}.
61821	DatabaseError	A database error has occurred in {0} ({1}).
61901	InvalidIdentity	Invalid services selected for the transaction: {0}.
61902	MailClassNotSupportedForServiceType	Mail Class ({0}) cannot be used with Service Type of {1}.
61903	InvalidInputForCheckDigit	Number {0} is not valid for calculating check digit.
61904	FailedBuildingLabelNumber	Failed building label number for identity {0} in {1}.
61905	FailedCalculatingCheckDigit	Failed calculating check digit for Sequential Package ID {0}.

Error Code	Error Code String	Error Message
61906	FailedUpdatingLabelNumberTable	Failed updating {0} for label number {1} in {2}.
61907	FailedInsertingCustomsDeclarationRecord	Failed adding record to Customs Declaration table for label number {0} in {1}.
61908	FailedInsertingCustomsItemRecord	Failed adding record to Customs Items table for Customs Declaration ID {0}, Item Number {1} in {2}.
61909	FailedInsertingCustomsUploadRecord	Failed adding record to Customs Upload table for Customs Declaration ID {0} in {1}.
61910	InvalidContentsType	Invalid contents type: {0}
61911	MaxExtraServiceCodeCountExceeded	The number of extra service codes exceeds what system can support.
61912	FailedInsertingChannelType	Failed inserting channel type {0}.
63008	InvalidCreditCardCountryCode	Invalid credit card country code
63009	InvalidCCPaymentInfo	Unable to verify payment information.
63010	UnableToVerifyCCPaymentInfo	Invalid payment information. Please check and try again.

D. Coding Principles

When developing an end user or customer solution, remember that the application will be making financial transactions. The USPS has many rules regarding the purchase of postage (RecreditRequest), the printing of postage (LabelRequest), and obtaining refunds (RefundRequest). Therefore, it would be prudent to design the application in such a way that basic protections are in place, such as:

- Protection from transmitting multiple Label Requests from a single label. Failing to prevent an end user or customer from clicking multiple times, or otherwise transmitting the same transaction multiple times, could cause the account to be charged multiple times for a single transaction. Refunds may be difficult to obtain without physical evidence.
- Storage of the Base64 or decoded image until the label has physically been printed and used on a shipment. It may be necessary to reprint a misprinted label, or a label that failed to print at all. Also, some refund requests may require physical evidence, so the label may need to be printed.
- A RecreditRequest (postage purchase) cannot result in the balance exceeding the maximum allowable balance set for the account (usually \$500). If you build a trigger into your code that initiates a postage purchase, base it on a preset balance amount, and check each LabelRequestResponse (the PostageBalance element). When the balance is below your preset threshold, initiate the RecreditRequest so that it will only purchase the amount necessary to bring the balance to the maximum allowable balance.
- Retrieving values from XML elements should be based on the element or attribute name, not on a count or other means that does not validate that the correct value is returned. On occasion, elements and attributes may be added to one or more of our web methods which could change the position of an element or attribute relative to the other elements in the response.

E. Country Code Table

The following table shows the country code to be used in the ToCountryCode element and the CountryOfOrigin element in an international Label Request.

In some cases, the ISO 3166 standard has identified Country Codes for Territories or Provinces of other countries. If there is a country name in the "Use" column, you may need to confirm which code is expected by the receiving country.

For updated information, see the following sources:

- "Index of Countries and Localities" (from the USPS), which is available at: <http://pe.usps.com/text/Imm/immctry.htm> (December 17, 2015). This is an index of countries that includes links to all the limitations, conditions of mailing, and restrictions for each country.
- "Country names and code elements" (from the ISO), which is available at: <https://www.iso.org/obp/ui/#search/code/> (through December 17, 2015 updates)

Country Name	Country Code	Use	Includes
Afghanistan	AF		
Albania	AL		
Algeria	DZ		
Andorra	AD		
Angola	AO		
Anguilla	AI		
Antigua and Barbuda	AG		Antigua; Barbuda; Redonda
Argentina	AR		
Armenia	AM		
Aruba	AW		
Ascension		Saint Helena	
Australia	AU		Christmas Island; Cocos Island; Keeling Islands; Lord Howe Island; New South Wales; Norfolk Island; Queensland; South Australia; Tasmania; Thursday Island; Victoria; Western Australia
Austria	AT		
Azerbaijan	AZ		
Bahamas	BS		
Bahrain	BH		
Bangladesh	BD		
Barbados	BB		
Belarus	BY		
Belgium	BE		

Country Name	Country Code	Use	Includes
Belize	BZ		
Benin	BJ		Dahomey
Bermuda	BM		
Bhutan	BT		
Bolivia	BO		
Bonaire, Sint Eustatius, and Saba	BQ		Bonaire; Saba; Sint Eustatius
Bosnia-Herzegovina	BA		
Botswana	BW		
Brazil	BR		
British Virgin Islands	VG		
Brunei Darussalam	BN		
Bulgaria	BG		
Burkina Faso	BF		
Burma		Myanmar	
Burundi	BI		
Cambodia	KH		Kampuchea
Cameroon	CM		
Canada	CA		Alberta; British Columbia; Labrador; Manitoba; New Brunswick; Newfoundland; Northwest Territory; Nova Scotia; Ontario; Quebec; Saskatchewan; Yukon Territory
Cape Verde	CV		
Cayman Islands	KY		
Central African Republic	CF		
Chad	TD		Tchad
Chile	CL		
China	CN		Manchuria; Tibet
Colombia	CO		
Comoros	KM		Anjouan; Grand Comoro; Moheli
Congo, Democratic Republic of the	CD		
Congo, Republic of the	CG		
Costa Rica	CR		
Cote d'Ivoire	CI		Ivory Coast
Croatia	HR		
Cuba	CU		Isle of Pines, West Indies
Curacao		Bonaire, Sint Eustatius, and Saba	
Cyprus	CY		
Czech Republic	CZ		
Denmark	DK		

Country Name	Country Code	Use	Includes
Djibouti	DJ		Issas
Dominica	DM		
Dominican Republic	DO		
Ecuador	EC		
Egypt	EG		
El Salvador	SV		Salvador
Equatorial Guinea	GQ		Annobon Island; Corisco Island; Elobey Islands; Fernando Po; Rio Muni
Eritrea	ER		
Estonia	EE		
Ethiopia	ET		
Falkland Islands	FK		South Georgia
Faroe Islands	FO		
Fiji	FJ		
Finland	FI		Aland Islands; Corsica
France	FR		Mayotte; Monaco
French Guiana	GF		
French Polynesia	PF		Borabora; French Oceania; Gambier; Hivaoa; Huahine; Marquesas Islands; Moorea; Nukahiva; Raiatea; Rapa; Society Islands; Tahaa; Tahiti; Tuamotou; Tubuai
Gabon	GA		
Gambia	GM		
Georgia, Republic of	GE		
Germany	DE		
Ghana	GH		
Gibraltar	GI		
Great Britain and Northern Ireland	GB		Includes Alderney; Channel Islands; England; Guernsey; Isle of Man; Jersey; Northern Ireland; Sark; Scotland; United Kingdom; Wales
Greece	GR		Astypalaia; Chalki; Crete; Dodecanese Islands; Kalymnos; Karpathos; Kassos; Kastellorizon; Kos; Leipsos; Leros; Nissiros; Patmos; Rodos; Symi; Tilos
Greenland	GL		
Grenada	GD		
Guadeloupe	GP		Barthelemy; Desirade Island; French West Indies; Les Saints Island; Marie Galante; Petite Terre; Saint Barthelemy; Saint Bartholomew; Saint Martin (French)
Guatemala	GT		

Country Name	Country Code	Use	Includes
Guinea	GN		
Guinea-Bissau	GW		
Guyana	GY		British Guiana
Haiti	HT		
Honduras	HN		Swan Islands
Hong Kong	HK		Kowloon
Hungary	HU		
Iceland	IS		
India	IN		Andaman Islands; Damao; Diu; Goa; Sikkim
Indonesia	ID		Borneo; Irian Barat; Timor; West New Guinea
Iran	IR		Persia
Iraq	IQ		
Ireland	IE		Eire
Israel	IL		
Italy	IT		
Jamaica	JM		
Japan	JP		Nansil Islands; Okinawa; Shikoku; Tori Shima
Jordan	JO		Hashemite Kingdom; Trans-Jordan, Hashemite Kingdom
Kazakhstan	KZ		
Kenya	KE		
Kiribati	KI		Canton Island; Christmas Island; Enderbury Island; Fanning Island; Gilbert Islands; Ocean Island
Korea, Democratic Peoples Republic of (North Korea)	KP		North Korea
Korea, Republic of (South Korea)	KR		South Korea
Kosovo, Republic of	RS		
Kuwait	KW		
Kyrgyzstan	KG		
Laos	LA		
Latvia	LV		
Lebanon	LB		
Lesotho	LS		
Liberia	LR		
Libya	LY		Cyjrenaica ; Fezzan; Tripolitania
Liechtenstein	LI		
Lithuania	LT		
Luxembourg	LU		
Macao	MO		Macau

Country Name	Country Code	Use	Includes
Macedonia, Republic of	MK		
Madagascar	MG		Sainte Marie de Madagascar
Malawi	MW		
Malaysia	MY		Johore; Kedah; Kelantan; Labuan; Malacca; Negri Sembilan; North Borneo; Pahang; Penang; Perak; Perlis; Sabah; Sarawak; Seberang Perai; Selangor; Trengganu; Wellesley, Province
Maldives	MV		
Mali	ML		
Malta	MT		Cumino Island; Gozo Island
Martinique	MQ		French West Indies
Mauritania	MR		
Mauritius	MU		Rodrigues
Mexico	MX		
Moldova	MD		
Mongolia	MN		
Montenegro	ME		
Montserrat	MS		
Morocco	MA		
Mozambique	MZ		
Myanmar	MM		
Namibia	NA		
Nauru	NR		
Nepal	NP		
Netherlands	NL		Holland
New Caledonia	NC		Alofi Island; Huan Island; Isle of Pines; Loyalty Islands
New Zealand	NZ		Aitutaki, Cook Islands; Avarua; Danger Islands; Hervey, Cook Islands; Manahiki; Niue; Palmerston, Avarua; Parry, Cook Islands; Penrhyn, Tongareva; Rakaanga; Rarotonga, Cook Islands; Savage Island, Niue; Suvarrow Islands; Tokelau; Tongareva
Nicaragua	NI		
Niger	NE		
Nigeria	NG		
Norway	NO		Spitzbergen
Oman	OM		Muscat
Pakistan	PK		Balochistan
Panama	PA		

Country Name	Country Code	Use	Includes
Papua New Guinea	PG		Admiralty Islands; Bismark Archipelago; Bougainville; Buka; New Britain; New Hanover; New Ireland
Paraguay	PY		
Peru	PE		
Philippines	PH		
Pitcairn Island	PN		
Poland	PL		
Portugal	PT		Azores; Madeira Islands
Qatar	QA		Doha; Umm Said
Reunion	RE		Bourbon
Romania	RO		
Russia	RU		
Rwanda	RW		
Saint Helena	SH		
Saint Kitts and Nevis	KN		Nevis
Saint Lucia	LC		
Saint Pierre and Miquelon	PM		Miquelon
Saint Vincent and the Grenadines	VC		Grenadines
Samoa	WS		Atafu; Fakaofu; Nukunonu; Savaii Island; Upolu Island
San Marino	SM		
Sao Tome and Principe	ST		
Saudi Arabia	SA		
Senegal	SN		
Serbia, Republic of	RS		Kosovo
Seychelles	SC		
Sierra Leone	SL		
Singapore	SG		
Sint Maarten	SX		Netherlands Antilles
Slovak Republic (Slovakia)	SK		
Slovenia	SI		
Solomon Islands	SB		Santa Cruz Islands
Somalia	SO		Somali Democratic Republic; Somaliland
South Africa	ZA		Transkei
Spain	ES		Alhucemas; Balearic Islands; Canary Islands; Ceuta; Chaferinas Islands; Melilla; Penon de Velez de la Gomera; Zafarani Islands
Sri Lanka	LK		Ceylon
Sudan	SD		

Country Name	Country Code	Use	Includes
Suriname	SR		
Swaziland	SZ		
Sweden	SE		
Switzerland	CH		
Syrian Arab Republic (Syria)	SY		
Taiwan	TW		Formosa; Penghu Islands; Pescadores Islands; Quemoy
Tajikistan	TJ		
Tanzania	TZ		Pemba; Zanzibar
Thailand	TH		
Timor-Leste Democratic Republic of	TL		East Timor
Togo	TG		
Tonga	TO		Friendly Islands
Trinidad and Tobago	TT		Tobago
Tristan da Cunha		Saint Helena	
Tunisia	TN		
Turkey	TR		
Turkmenistan	TM		
Turks and Caicos Islands	TC		Caicos Islands
Tuvalu	TV		Ellice Islands
Uganda	UG		
Ukraine	UA		
United Arab Emirates	AE		Abu Dhabi; Ajman; Dubai; Fujairah; Ras al Kaimah; Sharja; Trucial States;Umm al Quaiwai
Uruguay	UY		
Uzbekistan	UZ		
Vanuatu	VU		Banks Island; New Hebrides; Torres Island
Vatican City	VA		
Venezuela	VE		
Vietnam	VN		
Wallis and Futuna Islands	VD		Futuna
Yemen	YE		
Zambia	ZM		
Zimbabwe	ZW		

GLOSSARY

Account ID

Endicia assigns a unique Account ID when you sign up for the Endicia Label Server Web Service. The Account ID is associated with an Endicia postage account and holds information about postage transactions as well as available balance for printing postage.

When using the Test Server, you can use any 6 digit number for the Account ID. When on the Production Server, you will be supplied with an Endicia Label Server Account ID.

Girth

The girth is the distance around the thickest part of an object.

IMb and IMpb

The Intelligent Mail barcode and Intelligent Mail package barcode are the barcode standards for USPS tracking.

Pass Phrase

The Pass Phrase is a long and complex password. During the new account sign-up process, you will be asked to select a temporary Pass Phrase for the account. A Pass Phrase must be at least 5 characters long with a maximum of 64 characters. For added security, the Pass Phrase should be at least 10 characters long and include more than one word, use at least one uppercase and lowercase letter, one number and one non-text character, such as punctuation.

Production Server

The Production Server contains the live version of the Endicia Label Server Web Service that generates shipping labels with “live” postage.

Requester ID

A Requester ID (also known as Partner ID or Partner Code) uniquely identifies the system making the request.

Test Server

The Test Server contains a test version of the Endicia Label Server Web Service that only generates “test” shipping labels with VOID postage. This allows you to develop and test your application calls to the Endicia Label Server Web Service methods.

Web Password

You use the Web Password to:

- Gain access to the endicia.com website.
- View account transactions.
- Change account information.

The Web Password does not enable you to buy and print postage. Postage can only be purchased using the BuyPostage method.

Web Service

A Web Service is a software system designed to support interoperable machine-to-machine interaction over a network. It has an interface described in a machine-processable format (specifically WSDL). Other systems interact with the Web Service in a manner prescribed by its description using SOAP-messages, typically conveyed using HTTP with an XML serialization in conjunction with other web-related standards. Reference source: The W3C at <http://www.w3.org/TR/ws-gloss/>