



WebTools Release Notes

Version 1.3

Application: Web Tools APIs
Package Name: August/September 2016 Updates
Package Version: 1.3

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1 Revision History

Date	Author	File Version	Change Description
7/28/2016	Evan Betler	V1.1	Initial external version
8/18/2016	Evan Betler	V1.3	Updates to internal version include: <ul style="list-style-type: none">- 2.2.1.3: Added barcode prefix updates for CustomsCN22V2- 2.2: Address Validation Updates moved from <i>Future Production Release</i> to <i>August 28</i>- 2.3: Added <i>September 24, 2016</i> section with enhancements and known dates- 2.4: Added <i>Future Production Release</i> section

2 Implementation Summary

External testing availability via the Web Tools CAT / stg- environment for each release can be found in the respective section below. The external test environment can be accessed, using your production UserID, via the following URL scheme, host and path:

- Secure APIs: <https://stg-secure.shippingapis.com/ShippingApi.dll>
- Non-secure APIs: <http://stg-production.shippingapis.com/ShippingApi.dll>

If you receive an authorization error, please contact webtools@usps.gov and include your UserID.

2.1 Production Release: August 14, 2016

Internal and external testing: 7/21/16

2.1.1 Product Tracking and Reporting (TrackV2)

1. Description language modified for several inbound shipping partner events: 80, 81, 82, 89, MA, and GX

Updates to existing event codes	
<EventCode>	Updated Description Language
80	Picked Up By Shipping Partner, USPS Awaiting Item
81	Arrived Shipping Partner Facility, USPS Awaiting Item
82	Departed Shipping Partner Facility, USPS Awaiting Item
89	Merchant Order Receipt Notification, USPS Awaiting Item
MA	Pre-Shipment Info Sent to USPS, USPS Awaiting Item
GX	Shipping Label Created, USPS Awaiting Item

2.2 Production Release: August 28, 2016

2.2.1 August 2016 Price Change

External testing: 8/8/16

1. Web Tools APIs will be updated to reflect the following price updates related to the August 2016 USPS Price Change (reference <http://pe.usps.gov/> for updated prices and availability):
 - First Class Mail Retail Parcel prices will change for weights from 1 to 3 ounces
 - APIs impacted: RateV4
 - Price to price updates only, specific to market dominant products; no request or response schema updates
 - Certificate of Mailing extra service will no longer be available with Priority Mail International
 - APIs impacted: IntlRateV2
 - Priority Mail Express International will be available to Cuba
 - APIs impacted: IntlRateV2, ExpressMailIntl, eVSExpressMailIntl
2. Web Tools APIs will be updated to include the Priority Mail International Small Flat Rate Boxes and Flat Rate Envelopes in the parcel processing stream
 - APIs impacted: IntlRate and IntlRateV2
 - Scope and business rules:
 - The weight limit for these products will remain 4 pounds

- Extra service availability will be modified to more closely follow the other Priority Mail International products:
 - Insurance will be available and will no longer be limited to \$400 (limits vary by country)
 - Electronic USPS Delivery Confirmation International (<ExtraService>="9") will no longer be applicable
 - Priority Mail International Flat Rate Envelope <Service ID=""> values:
 - ServiceID="8" (Priority Mail International Flat Rate Envelope)
 - ServiceID="22" (Priority Mail International Legal Flat Rate Envelope)
 - ServiceID="23" (Priority Mail International Padded Rate Envelope)
 - ServiceID="18" (Priority Mail International Gift Card Flat Rate Envelope)
 - ServiceID="20" (Priority Mail International Small Flat Rate Envelope)
 - ServiceID="19" (Priority Mail International Window Flat Rate Envelope)
 - Priority Mail International Small Flat Rate Box <Service ID=""> values:
 - ServiceID="16" (Priority Mail International Small Flat Rate Box)
 - ServiceID="24" (Priority Mail International DVD Flat Rate priced box)
 - ServiceID="25" (Priority Mail International Large Video Flat Rate priced box)
 - APIs impacted: PriorityMailIntl and eVSI-PriorityMailIntl
 - Scope and business rules:
 - The PMI FRE and SFRB label/customs forms image(s) returned in the response will be a 2976A (currently 2976)
 - The weight limit for these products will remain 4 pounds
 - Extra service availability will be modified to more closely follow the other Priority Mail International products:
 - Insurance will be available and will no longer be limited to \$400 (limits vary by country)
 - Electronic USPS Delivery Confirmation International (<ExtraService="9">) will no longer be applicable)
 - Priority Mail International Flat Rate Envelope <Container> values:
 - "FLATRATEENV"
 - "GIFTCARDFLATRATEENV"
 - "LEGALFLATRATEENV"
 - "PADDEDFLATRATEENV"
 - "SMFLATRATEENV"
 - "WINDOWFLATRATEENV"
 - Priority Mail International Small Flat Rate Box <Container> values:
 - "DVDBOX"
 - "SMFLATRATEBOX"
 - "LGVIDEOBOX"
3. First-Class Package International Service Updates
- APIs impacted: FirstClassMailIntl and eVSI-FirstClassMailIntl and CustomsCN22V2
 - Scope: First-Class Package International Service (FCPIS) barcode prefix updates
 - When the destination country does not support tracking, FCPIS barcode prefixes will begin with U* (e.g. UX) instead of LJ
 - When the destination country supports tracking, FCPIS barcode prefixes will still begin with LZ
 - Scope: CustomsCN22V2 API barcode prefix updates:
 - When <MailClass>="FCPIS" (new enumeration) or not provided, the barcode will begin with U* (e.g. UX) for untracked countries and L* (e.g. LZ) for tracked countries
 - When <MailClass>="FCMI" or "MBAG", the barcode will begin with U* (e.g. UX)
 - The following <MailClass> values will no longer be available: "PMEI", "PMIFRESFRB"

2.2.2 eVS-Related Enhancements

External testing: 8/8/16 (except where otherwise noted)

1. Customer Reference Number Fields: eVS domestic and international label APIs
 - Effective 7/15, optional second Customer Reference Number fields were added to domestic and international eVS APIs (except GXG)
 - The Customer Reference Number values are included in the Shipping Service File manifest
 - Reference the user guides at <https://www.usps.com/business/web-tools-apis/documentation-updates.htm> for details
2. eVS Pricing Enhancements: RateV4, IntlRateV2
 - Effective 8/28, general eVS request mappings have been added to support the full complement of products supported eVS (as opposed to only those products supported by the eVS label APIs)
 - <RateClientType> - <RatePriceType> - <RatePaymentType> mappings:
 - 025-B-6 (eVS commercial base pricing)
 - 025-P-6 (eVS commercial plus pricing)
3. Shipping Partner Event (SPE) File: eVS domestic and international label APIs
 - Effective 8/28, Web Tools will implement changes to APIs in preparation to create SPE files for eVS and eVS-I label records. Note: file creation will not be effective until date TBD (see *Future Production Release* section).
4. eVS Image Parameter / Label Orientation updates: eVS domestic
 - New <ImageParameter> enumerations to support static label dimensional orientation regardless of whether a typical domestic label or domestic customs form is output
 - 4X6LABEL
 - 6X4LABEL
 - The existing <ImageParameter> enumerations will continue to function
 - External test date: 8/8/16

2.2.3 Address Validation Updates

Internal testing: 8/15; external testing: 8/15; production release: 8/28

1. City and Address Abbreviation Enhancements (API="Verify")
 - Ability to optionally opt out of city or street name abbreviations
2. Address Update Indicators (API="eVS")
 - Indicators added to the API response when an origin or delivery address has been validated and updated to the point where the provided ZIP Code has changed
 - Indicators added to the API response when an origin or destination address is considered undeliverable

2.3 Production Release: September 24, 2016

2.3.1 Address Validation Updates

Moved to Section 2.2: August 28 Production Release

2.3.2 eVS-Related Enhancements

Internal testing: 8/29; external testing: 9/7; production release: 9/24

1. Shipping Partner Event (SPE) File: eVS domestic and international label APIs
 - Effective 8/28, Web Tools will implement changes to APIs in preparation to create SPE files for eVS and eVS-I label records
 - Effective 9/24, Web Tools will support creation and transmission of the Shipping Partner Event File – Please reach out to webtools@usps.gov for more information
2. Testing Environment Updates: eVS domestic and international label APIs
 - Effective 9/24, Web Tools system will submit Shipping Services Files to PTR TEM for labels created in the Web Tools CAT environment

3. Close Manifest Enhancements: eVS domestic and international label APIs
 - Effective 9/24, Web Tools will offer the ability to close a particular manifest and initiate creation of the Shipping Services File
 - A manifest can be closed by:
 - Providing the individual label numbers currently held for manifest
 - Providing a Ship Date, which would close all labels held for manifest with that Ship Date
 - Providing a “close all” command that would close all labels held for manifest by UserID separated by Ship Date
 - Full technical specifications will be provided at a later date
4. Priority Mail Cubic (technical specifications forthcoming): eVS domestic
 - Effective 9/24, Web Tools will offer Priority Mail Cubic
 - Full technical specifications will be provided at a later date
5. ZPL and EPL label image format enhancements
 - Effective 9/24, Web Tools will offer ZPL and EPL label image format options
 - Full technical specifications will be provided at a later date

2.4 Future Production Releases

Production and test release details and dates to be provided in future release notes versions

2.5 Upcoming API Retirements

2.5.1 Legacy Track and Confirm (Track)

1. The Track API is planned for retirement in January 2017 – Integrators should migrate to TrackV2. TrackV2 technical specifications can be found in the “Tracking & Delivery Information APIs” user guide at <https://www.usps.com/business/web-tools-apis/documentation-updates.htm> along with a “January 2017 API Retirement” transition guide in the *Announcements* section

2.5.2 MerchandiseReturnServiceV2, MerchandiseReturnServiceV3

2. The V2 and V3 MerchandiseReturnService APIs are planned for retirement in January 2017 – Integrators should migrate to V4. V4 technical specifications can be found in the “Merchandise Return Service Labels” user guide at <https://www.usps.com/business/web-tools-apis/documentation-updates.htm> along with a “January 2017 API Retirement” transition guide in the *Announcements* section

2.6 New and Recently Released APIs

Contact webtools@usps.gov for registration and detailed specifications for the following new APIs

2.6.1 Redelivery and Delivery Instructions APIs

1. Summary: APIs are available to USPS partners that wish to offer Redelivery and Delivery Instructions capabilities within their ecommerce customer experience or USPS shipping fulfillment. Specific agreements with USPS are required.

2.6.2 Package Intercept API

1. Summary: APIs are available that allow initiation of a Package Intercept request and query for the status of a Package Intercept request. Specific agreements with USPS are required.

3 Appendices

3.1 Appendix A – Domestic Label APIs: Customs Forms

Production release tentatively scheduled for March 2017

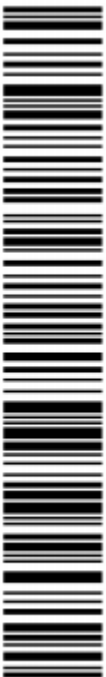



3.1.1 Priority Mail, First Class Parcel / Package Service, Package Services Labels without postage (API=DeliveryConfirmationV4, SignatureConfirmationV4)

1. Updates: Customs compliance requirements for items destined to military (APO, FPO), diplomatic (DPO), and US Possessions, Territories and Freely Associated States (PTFAS)
 - Request considerations:
 - Effective 1/26/16, the full complement of customs data XML inputs were made available optionally for APO/FPO/DPO and PTFAS ZIP Codes
 - Effective March 2017 (tentative, exact date TBD), the following customs data XML inputs will be required at a minimum for APO/FPO/DPO and PTFAS ZIP Codes
 - <CustomsContentType> and <WeightInOunces>
 - If, based on the <CustomsContentType> and <WeightInOunces>, a customs form is required, the following customs data XML inputs will be required for APO/FPO/DPO and PTFAS ZIP Codes:
 - <ShippingContents> / <ItemDetail> grouping
 - <Description> (required for each item, 256-character maximum)
 - <Quantity> (required for each item, numeric, 4-character maximum)
 - <Value> (required for each item, decimal, 8-character maximum, decimal and cents must be provided (i.e. 12.00))
 - <NetPounds> (ounces or pounds required for each item)
 - <NetOunces> (ounces or pounds required for each item)
 - <HSTariffNumber> (required tag, optional value, 12-character maximum)
 - <CountryOfOrigin> (required tag, optional value, full valid country name per the “Full Country Listing” at <http://pe.usps.com/>)
 - Response / image considerations:
 - Effective 1/26/16:
 - The image in the response for an APO/FPO/DPO+PTFAS label without postage (including Customs Forms Online labels) is a standard domestic shipping label which requires a separate customs forms document
 - The image in the response for an APO/FPO/DPO+PTFAS prepaid label (Click N Ship and USPS Meter Label Solution) label is the integrated 2976A or 2976 customs form with a domestic IMpb barcode
 - Effective in March 2017 (tentative, exact date TBD), the APO/FPO/DPO+PTFAS label image for labels both with and without pre-paid postage will be the integrated 2976A or 2976 customs form with a domestic IMpb barcode
 - Images returned for Click N Ship and USPS Meter Label Solution will be the same in March 2017 as in January 2016
 - The response label image for items destined to APO/FPO/DPO and PTFAS ZIP Codes, when customs forms are required, will be a single ply 4x6” 2976A or 2976 customs form with optional continuation page following the format guidelines at <https://ribbs.usps.gov/index.cfm?page=intcustomsforms>
 - See Appendix A for customs form image sample
 - Detailed specifications, including a complete list of required and optional customs data inputs, can be found in the “Domestic Shipping Labels” API documentation at <https://www.usps.com/business/web-tools-apis/documentation-updates.htm>

3.1.2 Priority Mail Express Labels without postage (ExpressMailLabel)

1. Customs compliance requirements for items destined to military (APO, FPO), diplomatic (DPO), and US Possessions, Territories and Freely Associated States (PTFAS)
 - Request considerations:
 - Effective 1/26/16, the full complement of customs data XML inputs were made available optionally for APO/FPO/DPO and PTFAS ZIP Codes
 - Effective March 2017 (tentative, exact date TBD), the following customs data XML inputs will be required at a minimum for APO/FPO/DPO and PTFAS ZIP Codes
 - <CustomsContentType> and <WeightInOunces>
 - If, based on the <CustomsContentType> and <WeightInOunces>, a customs form is required, the following customs data XML inputs will be required for APO/FPO/DPO and PTFAS ZIP Codes:
 - <ShippingContents> / <ItemDetail> grouping
 - <Description> (required for each item, 256-character maximum)
 - <Quantity> (required for each item, numeric, 4-character maximum)
 - <Value> (required for each item, decimal, 8-character maximum, decimal and cents must be provided (i.e. 12.00))
 - <NetPounds> (ounces or pounds required for each item)
 - <NetOunces> (ounces or pounds required for each item)
 - <HSTariffNumber> (required tag, optional value, 12-character maximum)
 - <CountryOfOrigin> (required tag, optional value, full valid country name per the “Full Country Listing” at <http://pe.usps.com/>)
 - Response / image considerations:
 - Effective 1/26/16:
 - The image in the response for an APO/FPO/DPO+PTFAS label without postage (including Customs Forms Online labels) is a standard domestic shipping label which requires a separate customs forms document
 - The image in the response for an APO/FPO/DPO+PTFAS prepaid label (Click N Ship and USPS Meter Label Solution) label is the integrated 2976A or 2976 customs form with a domestic IMpb barcode
 - Effective in March 2017 (tentative, exact date TBD), the APO/FPO/DPO+PTFAS label image for labels both with and without pre-paid postage will be the integrated 2976A or 2976 customs form with a domestic IMpb barcode
 - Images returned for Click N Ship and USPS Meter Label Solution will be the same in March 2017 as in January 2016
 - The response label image for items destined to APO/FPO/DPO and PTFAS ZIP Codes, when customs forms are required, will be a single ply 4x6” 2976A or 2976 customs form with optional continuation page following the format guidelines at <https://ribbs.usps.gov/index.cfm?page=intcustomsforms>
 - See Appendix A for customs form image sample
 - Detailed specifications, including a complete list of required and optional customs data inputs, can be found in the “Domestic Shipping Labels” API documentation at <https://www.usps.com/business/web-tools-apis/documentation-updates.htm>

3.1.3 eVS sample label / customs forms to military (APO/FPO) destination

 9205 5901 0650 7600 0714 92	F R O M	7771234567 MEI JON SENDER 2600 CAMPUS RD HONOLULU HI 96822-2224	CP72-CUSTOMS DECLARATION		P	PRIORITY MAIL MILITARY U.S. POSTAGE PAID Not Valid Test Label eVS		
	Origin Post: US POSTAL SERVICE		Date of Mailing: 12/14/15					
	Importer's reference:		Importer's contact:					
	Detailed description of contents		Qty	Net Weight (lbs oz)		Value (US\$)	HS Tariff Number	Origin Country
Description 1		9999	0 1	1.11				
Category of items: MERCHANDISE		TOTAL		0 1	1.11	I certify the particulars given in this customs declaration are correct. This form does not contain any undeclared dangerous articles, or articles prohibited by legislation or by postal or customs regulations. I have met all applicable export filing requirements under federal law and regulations.		
Exporter's reference:		Exporter's contact:		Total Dimensions: L: 6 W: 10 H: 4		Sender's Signature and Date JON SENDER 12/11/2015		
AES ITN Exemption 30.36A		Invoice License Certificate No (s)		Return to Sender Instructions in case of nondelivery:				
								
T O		JOSEPH CLEAN POSTAL SERVICE UNIT 15345 61ST MAINT CO APO AP 96258		Overseas Military/Diplomatic Mail				

Notes:

- The above format applies also to DPO and US Possessions, Territories and Freely Associated States ZIP Codes
- The following APIs will have similar customs forms image outputs for military, diplomatic and Possessions, Territories and Freely Associated States: DeliveryConfirmationV4, SignatureConfirmationV4 and ExpressMailLabel API image outputs
- The image outputs will be a 2976B, 2976A or 2976 based on mail class; all will have the same dimensional footprint

3.2 Appendix B – Sample XML Requests

This section provides sample XML requests to the CAT/staging environment that demonstrate some of the changes implemented to our APIs in this release. These requests are provided as a reference to aid in your understanding of the changes and in your integration with our updated APIs. You should still complete all your usual testing and verification processes to ensure that your system is communicating properly with the most updated version of Web Tools.

Please note that you must place your valid USERID into the request. Sample responses are provided below the sample requests to illustrate the changes that will occur to the XML schema. Please note that the data within the tags may differ depending on inputs provided. Areas of note are highlighted.

DeliveryConfirmationV4 Sample Request

This request illustrates the new customs data inputs that will be required in March 2017 for military and diplomatic destinations and possessions, territories and freely associated states. The response schema will not be altered, however, a new label/customs form image will be returned (see Appendix A). These changes also apply to the following APIs: ExpressMailLabel, SignatureConfirmationV4

```



```

```
<Size>Regular</Size>
<Width />
<Length />
<Height />
<Girth />
<Machinable>True</Machinable>
<CommercialPrice>>true</CommercialPrice>
<ExtraServices>
<ExtraService>
</ExtraService></ExtraServices>
<ShippingContents>
  <ItemDetail>
    <Description>Description 1</Description>
    <Quantity>9999</Quantity>
    <Value>1.11</Value>
    <NetPounds></NetPounds>
    <NetOunces>1</NetOunces>
    <HSTariffNumber>234567</HSTariffNumber>
    <CountryOfOrigin>AU</CountryOfOrigin>
  </ItemDetail>
</ShippingContents>
<FromPhone>7175551212</FromPhone>
<SenderMID>123456789</SenderMID>
<ToPhone>5705551212</ToPhone>
<CustomsContentType>sample</CustomsContentType>
<ContentComments>Testing</ContentComments>
<RestrictionType>Phytosanitary Inspection</RestrictionType>
<RestrictionComments>Testing</RestrictionComments>
<AESITN>30.37a</AESITN>
<ImportersReference>IR-12345</ImportersReference>
<ImportersContact>j.morgan87@usps.gov</ImportersContact>
<ExportersReference>ER-12345</ExportersReference>
<ExportersContact>j.morgan87@usps.gov</ExportersContact>
<InvoiceNumber>Invoice89012345</InvoiceNumber>
<LicenseNumber>License Number12</LicenseNumber>
<CertificateNumber>CertificateX</CertificateNumber>
</DeliveryConfirmationV4.0Request>
```