



WebTools Release Notes

Version 1.1

Application: Web Tools APIs
Package Name: 2020 Updates
Package Version: 1.1

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1 Revision History

Date	Author	File Version	Change Description
1/9/2020	Maggie Tillar	V1.1	Initial external version

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.

Note: Gray coloring indicates production release changes have been implemented.

2.1 Production Release: January 23, 2020

External testing: January 7, 2020

The API changes noted below will be released to production in the late-night hours of January 23. USPS is enacting a Price Change on January 26, 2020, which will be available on January 23 when using a ship date of January 26 or beyond. All domestic and international price calculator and shipping label APIs will reflect updated pricing in XML responses, on shipping label images, and in the Shipping Services Files (see Appendix A for full list of price calculator and label APIs). For information on specific prices being updated, please go to <https://about.usps.com/newsroom/national-releases/2019/1009-usps-announces-new-prices-for-2020.htm>.

Changes beyond basic price updates are explained below, per API.

2.1.1 International Price Calculator (API=IntlRateV2, IntlRate) and Label API Updates

1. The following country name updates are applicable to the international APIs noted in Appendix 3.1.2 and 3.1.4:
 - “Republic of Macedonia” updated to “Republic of North Macedonia”
 - “Republic of Macedonia” will return an invalid country name error. Integrators should use Republic of North Macedonia (“North Macedonia, Republic of”, “North Macedonia”) in the applicable country name fields (i.e. <Country>, <ToCountry> etc.)
 - “Republic of South Sudan” added as a new country
 - Integrators should use Republic of South Sudan (“South Sudan, Republic of”, “South Sudan”) in the applicable country name fields (i.e. <Country>, <ToCountry> etc.)
 - Note: Republic of South Sudan will be available in addition to current country of Sudan.
 - Reference Appendix B for examples.

2.1.2 Dimensional Weight Retail Ground Domestic Price Calculator Updates (API=RateV4)

1. The RateV4 API will be updated to reflect dimensional weighting being applied to USPS Retail Ground effective January 26th, 2020. For USPS Retail Ground pricing requests, Web Tools will support dimensional weighting:
 - When any dimension (i.e. Length, Width, or Height) exceeds 12 inches
 - <Girth> value will indicate rectangular or nonrectangular package shape
 - Applicable to <ServiceType>= “Retail Ground”
 - Applicable to return when <ReturnDimensionalWeight>= “true”
 - Limited Overland Routes (LOR) applicable in Alaska will NOT implement dimensional weight for USPS Retail Ground.
 - USPS Retail Ground balloon pricing will be removed.
 - USPS Retail Ground oversized pricing (and structure) will remain.
 - For dimensional weight calculation details, reference: <https://www.govinfo.gov/content/pkg/FR-2019-10-17/html/2019-22640.htm> and <https://pe.usps.com/cpim/ftp/manuals/dmm300/123.pdf>

2.1.3 Dimensional Weight Retail Ground Domestic Label API Updates

1. Impacted Domestic Label APIs: Reference Appendix A section 3.1.3
2. Domestic Label APIs will be updated to reflect dimensional weighting being applied to USPS Retail Ground effective January 26th, 2020. For USPS Retail Ground labels, Web Tools will support dimensional weighting:
 - When any dimension (i.e. Length, Width, or Height) exceeds 12 inches
 - <Girth> value will indicate rectangular or nonrectangular package shape
 - Limited Overland Routes (LOR) applicable in Alaska will NOT implement dimensional weight for USPS Retail Ground.
 - USPS Retail Ground balloon pricing will be removed.
 - USPS Retail Ground oversized pricing (and structure) will remain.
 - For dimensional weight calculation details, reference: <https://www.govinfo.gov/content/pkg/FR-2019-10-17/html/2019-22640.htm> and <https://pe.usps.com/cpim/ftp/manuals/dmm300/123.pdf>

2.1.4 Premium Tracking – Domestic Price Calculator Updates (API=RateV4)

1. USPS will offer new Premium Tracking option to allow a customer to purchase extended retention of tracking data on their mail piece for varying lengths of time up to 10 years when available.
2. RateV4 Updates:
 - Two new extra service code (i.e. <SpecialService>) enumerations added to request Premium Tracking options:
 - Non-signature products (“Scan Retention”): ServiceID= "181"
 - Signature products (“Scan + Signature Retention”): ServiceID= "182"
 - New optional request tag <TrackingRetentionPeriod> added to indicate Premium Tracking length of time in years. i.e. <TrackingRetentionPeriod>="0.5" indicates 6 months.
 - When <Service>= “ALL” indicated in XML request, the <TrackingRetentionPeriod> value will be ignored and available Premium Tracking options will return with lowest tracking retention period values used as default. (i.e. ServiceIDs = “181”/6 months and “182”/3 years).
 - New Premium Tracking extra service options shown in table below:

ServiceID	Special Service Name	<TrackingRetentionPeriod>	Price
181	Scan Retention	“0.5” (6 Months)	\$2.10
181	Scan Retention	“1” (1 Year)	\$2.59
181	Scan Retention	“3” (3 Years)	\$3.59
181	Scan Retention	“5” (5 Years)	\$4.59
181	Scan Retention	“7” (7 Years)	\$5.59
181	Scan Retention	“10” (10 Years)	\$9.99
182	Scan + Signature Retention	“3” (3 Years)	\$4.59
182	Scan + Signature Retention	“5” (5 Years)	\$5.59
182	Scan + Signature Retention	“7” (7 Years)	\$6.99
182	Scan + Signature Retention	“10” (10 Years)	\$12.99

- Reference Appendix B for examples
- Contact webtools@usps.gov for any questions and detailed specifications.

2.1.5 Premium Tracking – eVS Domestic Label API Updates (API=eVS)

1. USPS will offer new Premium Tracking option to allow a customer to purchase extended retention of tracking data on their mail piece for varying lengths of time up to 10 years when available.
2. eVS Updates:
 - Two new extra service code (i.e. <ExtraService>) enumerations added to request Premium Tracking options:
 - Non-signature products (“Scan Retention”): ServiceID= "181"
 - Signature products (“Scan + Signature Retention”): ServiceID= "182"
 - New optional request tag <TrackingRetentionPeriod> added to indicate Premium Tracking length of time in years. i.e. <TrackingRetentionPeriod>="0.5" indicates 6 months.

- When <ExtraService>= "181" or "182" provided in XML request, <TrackingRetentionPeriod> is required.
- New Premium Tracking extra service options shown in table below:

ServiceID	Service Name	<TrackingRetentionPeriod>	Price
181	Scan Retention	"0.5" (6 Months)	\$2.10
181	Scan Retention	"1" (1 Year)	\$2.59
181	Scan Retention	"3" (3 Years)	\$3.59
181	Scan Retention	"5" (5 Years)	\$4.59
181	Scan Retention	"7" (7 Years)	\$5.59
181	Scan Retention	"10" (10 Years)	\$9.99
182	Scan + Signature Retention	"3" (3 Years)	\$4.59
182	Scan + Signature Retention	"5" (5 Years)	\$5.59
182	Scan + Signature Retention	"7" (7 Years)	\$6.99
182	Scan + Signature Retention	"10" (10 Years)	\$12.99

- Web Tools will update the Shipping Services File to include correct Extra Service Code (SSFv2.0 D1, pos 44) and Extra Service Fee SSFv2.0 D1, pos 45) as specified in USPS Pub 199.
 - Reference above section 2.1.4 for table of ESC values
- Reference Appendix B for examples
- Contact webtools@usps.gov for any questions and detailed specifications.

2.1.6 Miscellaneous Maintenance API Updates

1. Domestic Price Calculator API (API=RateV4) updated with new <Service> tag enumeration of "Parcel Select Ground" to support returning Parcel Select Ground (CLASSID = "77")
 - i.e. <Service>Parcel Select Ground</Service> returns <Postage CLASSID="77"><MailService>Parcel Select Ground</MailService>
 - New service option applicable for Commercial Base and Commercial Plus RateV4 pricing requests.
 - Parcel Select Ground will still be eligible to return when XML request contains <Service>= "ONLINE" or "PLUS."
 - Contact webtools@usps.gov for any questions and detailed specifications.

2.2 Production Release: February 20, 2020

External testing: February 10, 2020

2.2.1 eVS Domestic Label API Updates (API=eVS)

1. Web Tools will remove the DPO and trademark verbiage in the indicia section for eVS customs form labels destined to Diplomatic Post Offices:
 - Applicable to Priority Mail and Parcel Select Ground mail classes
 - eVS Customs Forms to DPO destinations will only display mail class on top line of indicia
 - i.e. "PRIORITY MAIL DPO™" will be updated to "PRIORITY MAIL"
2. Web Tools will remove the Trademark symbol in the indicia section for eVS customs form labels destined to APO/FPO/PTFAS locations:
 - Applicable to Priority Mail and Parcel Select Ground mail classes
 - eVS Customs Forms to APO, PTFAS and FPO destinations will only display mail class on top line of indicia
 - i.e. "PRIORITY MAIL™" will be updated to "PRIORITY MAIL"

2.2.2 Redelivery APIs Retirement

1. The Web Tools 2.0 Redelivery/Delivery Instructions APIs will be retired effective February 20, 2020.
 - Impacted APIs:
 - DI and Redelivery Availability (API=getDIRedeliveryAvailability)

- DI and Redelivery Status (API=getDIRedeliveryStatus)
- Create Delivery Instructions (API=createDeliveryInstructions)
- Create Redelivery (API=createRedelivery)
- Contact webtools@usps.gov for any questions and detailed specifications.

2.2.3 Miscellaneous Maintenance API Updates

1. Web Tools will make updates to correctly populate the D1 #6 Destination ZIP field in the Shipping Services File when destination is APO/FPO/DPO+PTFAS.
 - Impacted APIs:
 - Customs Form CN22 (API=CustomsCN22V2)
 - Customs Form CP72 (API=CustomsCP72V3)
2. Web Tools will make fixes to Customs Forms Invoice/License/Certificate No(s) field to prevent longer values running outside the length of field.
 - Reference Appendix A section 3.1.4 for list of impacted APIs.

2.3 Production Release: March 19, 2020

External testing: March 9, 2020

Items will be moved to this release when scheduled and included in future versions of the release notes

2.4 Production Release: April 23, 2020

External testing: April 13, 2020

Items will be moved to this release when scheduled and included in future versions of the release notes

2.5 Production Release: May 21, 2020

External testing: May 11, 2020

Items will be moved to this release when scheduled and included in future versions of the release notes

2.6 Production Release: June 25, 2020

External testing: June 15, 2020

Items will be moved to this release when scheduled and included in future versions of the release notes

2.7 Production Release: July 23, 2020

External testing: July 13, 2020

Items will be moved to this release when scheduled and included in future versions of the release notes

2.8 Production Release: August 20, 2020

External testing: August 10, 2020

Items will be moved to this release when scheduled and included in future versions of the release notes

2.9 Production Release: September 24, 2020

External testing: September 14, 2020

Items will be moved to this release when scheduled and included in future versions of the release notes

2.10 Production Release: October 22, 2020

External testing: October 12, 2020

Items will be moved to this release when scheduled and included in future versions of the release notes

2.11 Production Release: To Be Determined

Items will be moved to release dates as scheduled and included in future versions of the release notes

1. Customs Forms API Restrictions – Web Tools will prohibit external use of the Customs Form CN22 (API=CustomsCN22V2) and Customs Form CP72 (API=CustomsCP72V3) APIs.
2. Blocking of pre-TLS 1.2 Connections – There is no date set for this yet, but integrators are encouraged to use current security protocols when communicating with the USPS Web Tools APIs.

3 Appendices

3.1 Appendix A – Price Calculator and Label APIs

3.1.1 Domestic Price Calculator APIs

Description	API Name
Domestic Price Calculator	RateV4

3.1.2 International Price Calculator APIs

Description	API Name
International Price Calculator	IntlRateV2, IntlRate (deprecated)

3.1.3 Domestic Label APIs

Description	API Name
Merchandise Return Service	MerchandiseReturnV4
Merchandise Return Service Bulk	MerchReturnV4Bulk
eVS Domestic	eVS
SCAN Form	SCAN

3.1.4 International Label APIs

Description	API Name
Express Mail International – eVS	eVSExpressMailIntl
Priority Mail International – eVS	eVSPriorityMailIntl
First Class Mail International - eVS	eVSFirstClassMailIntl
GXG Get Label – eVS	eVSGXGGetLabel
Customs Form CN22	CustomsCN22V2 (deprecated)
Customs Form CP72	CustomsCP72V3 (deprecated)

3.2 Appendix B – Sample API Requests, Responses, and Labels

3.2.1 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.

IntlRateV2 Sample Request

January 2020 Release reference 2.1.1: New country South Sudan supported

```
<IntlRateV2Request USERID="XXXXXXXXXX">
  <Revision>2</Revision>
  <Package ID="0">
    <Pounds>1</Pounds>
    <Ounces>0</Ounces>
    <MailType>ALL</MailType>
    <ValueOfContents>20</ValueOfContents>
    <Country>SOUTH SUDAN</Country>
    <Container>VARIABLE</Container>
    <Width>3</Width>
    <Length>3</Length>
    <Height>3</Height>
    <Girth>0</Girth>
    <OriginZip>44026</OriginZip>
    <CommercialFlag>Y</CommercialFlag>
  </Package>
</IntlRateV2Request>
```

IntlRateV2 Sample Response

January 2020 Release reference 2.1.1: New country South Sudan supported

```
<IntlRateV2Response>
  <Package ID="0">
  <Prohibitions>
Arms, including spare parts and ammunition. Infectious Substances, including exempt patient specimens (human or animal) and Category B infectious substances under 135.1 Gambling items, such as playing cards, poker chips and games of chance. Narcotics, including those prescribed by a doctor. Radioactive materials, including radioactive materials under 135.5.
  </Prohibitions>
  <Restrictions>No Restrictions Data found.</Restrictions>
  <Observations>
All goods sent to South Sudan are subject to a customs clearance fee of 450 South Sudan Pounds (SSP) and an administration fee of 550 SSP.
  </Observations>
  <CustomsForms>
All Priority Mail International items: PS Form 2976-A inside PS Form 2976-E (envelope) First-Class Mail International: PS Form 2976 as required (see 123.61) First-Class Package International Service and Airmail M-bags: PS Form 2976
  </CustomsForms>
  <ExpressMail>No Express Mail Regulations Data found.</ExpressMail>
  <AreasServed>Please reference Express Mail for Areas Served.</AreasServed>
  <AdditionalRestrictions>No Additional Restrictions Data found.</AdditionalRestrictions>
  <Service ID="2">
  <Pounds>1</Pounds>
  <Ounces>0</Ounces>
  <MailType>ALL</MailType>
  <Width>3</Width>
  <Length>3</Length>
  <Height>3</Height>
  <Girth>0</Girth>
```



```

<SpecialService>...</SpecialService>
</SpecialServices>
</Postage>
</Package>
</RateV4Response>

```

eVS API Sample Request

January 2020 Release reference 2.1.5: New Premium Tracking extra services

```

<eVSRequest USERID="XXXXXXXX">
  <Option/>
  <Revision/>
  <ImageParameters>
    <ImageParameter>6X4LABEL</ImageParameter>
  </ImageParameters>
  <FromName>Lina Smith</FromName>
  <FromFirm>Horizon</FromFirm>
  <FromAddress1/>
  <FromAddress2>6 Plumbrook Court</FromAddress2>
  <FromCity>Reisterstown</FromCity>
  <FromState>MD</FromState>
  <FromZip5>21136</FromZip5>
  <FromZip4/>
  <FromPhone>1234567890</FromPhone>
  <POZipCode/>
  <AllowNonCleansedOriginAddr>False</AllowNonCleansedOriginAddr>
  <ToName>Tom Smith</ToName>
  <ToFirm>ABC Corp.</ToFirm>
  <ToAddress1>Suite 101</ToAddress1>
  <ToAddress2> 901 D St. SW</ToAddress2>
  <ToCity>Washington</ToCity>
  <ToState>DC</ToState>
  <ToZip5>20024</ToZip5>
  <ToZip4/>
  <ToPhone>2022242345</ToPhone>
  <POBox/>
  <AllowNonCleansedDestAddr/>
  <WeightInOunces>2</WeightInOunces>
  <ServiceType>Priority</ServiceType>
  <Container>Rectangular</Container>
  <Width>2</Width>
  <Length>2</Length>
  <Height>2</Height>
  <Machinable>True</Machinable>
  <ProcessingCategory/>
  <PriceOptions/>
  <InsuredAmount></InsuredAmount>
  <AddressServiceRequested>true</AddressServiceRequested>
  <ExpressMailOptions>
    <DeliveryOption/>
    <WaiverOfSignature/>
  </ExpressMailOptions>
  <ShipDate/>
  <CustomerRefNo>123</CustomerRefNo>
  <CustomerRefNo2>123456</CustomerRefNo2>
  <ExtraServices>
    <ExtraService>181</ExtraService>
  </ExtraServices>
  <HoldForPickup/>
  <OpenDistribute/>
  <PermitNumber/>
  <PermitZIPCode/>
  <PermitHolderName/>
  <CRID/>
  <SenderEmail>test@testmail.com</SenderEmail>
  <RecipientName></RecipientName>

```

```

    <RecipientEMail/>
    <ReceiptOption/>
    <ImageType>PDF</ImageType>
    <HoldForManifest/>
    <RateClientType>011</RateClientType>
    <RatePriceType>B</RatePriceType>
    <RatePaymentType>6</RatePaymentType>
    <TrackingRetentionPeriod>3</TrackingRetentionPeriod>
  </eVSRequest>

```

eVS API Sample Response

January 2020 Release reference 2.1.5: New Premium Tracking extra services

```

eVSResponse>
<BarcodeNumber>XXXXXXXXXXXXXXXXXXXX</BarcodeNumber>
<LabelImage>...</LabelImage>
<ToName>TOM SMITH</ToName>
<ToFirm>ABC CORP.</ToFirm>
<ToAddress1>STE 101</ToAddress1>
<ToAddress2>901 D ST SW</ToAddress2>
<ToCity>WASHINGTON</ToCity>
<ToState>DC</ToState>
<ToZip5>20024</ToZip5>
<ToZip4>2198</ToZip4>
<Postnet>200242198264</Postnet>
<RDC>0024</RDC>
<Postage>7.02</Postage>
<ExtraServices>
<ExtraService>
<ServiceID>181</ServiceID>
<ServiceName>Scan Retention</ServiceName>
<Price>3.59</Price>
</ExtraService>
<ExtraService>
<ServiceID>155</ServiceID>
<ServiceName>USPS Tracking Electronic</ServiceName>
<Price>0.00</Price>
</ExtraService>
</ExtraServices>
<Zone>01</Zone>
<CarrierRoute>C001</CarrierRoute>
<PermitHolderName>Not Valid Test Label</PermitHolderName>
<InductionType>ePostage</InductionType>
<LogMessage/>
<RateClientType>011</RateClientType>
<RatePriceType>B</RatePriceType>
<RatePaymentType>6</RatePaymentType>
</eVSResponse>

```

3.2.2 Sample Labels/Receipts

This section provides sample label and receipt images to the CAT/staging environment that demonstrate some of the changes implemented to our APIs in this release. These samples 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.

3.3 Appendix C – HTTPS/Secure Web Tools APIs

3.3.1 SSL Security Certificate Updates (HTTPS APIs)

Common Name (CN)	Envir.	URLS	Expiration Date	Deployment Date
stg-secure.shippingapis.com	TEST	https://stg-secure.shippingapis.com/	6/29/2019	6/28/2018
secure.shippingapis.com	PROD	https://secure.shippingapis.com/	8/16/2019	8/15/2018

3.3.2 Web Tools Secure/HTTPS APIs

API	API Name
Carrier Pickup Availability	CarrierPickupAvailability
Carrier Pickup Cancel	CarrierPickupCancel
Carrier Pickup Change	CarrierPickupChange
Carrier Pickup Inquiry	CarrierPickupInquiry
Carrier Pickup Schedule	CarrierPickupSchedule
City+State Lookup	CityStateLookup
Customs Form CN22	CustomsCN22V2
Customs Form CP72	CustomsCP72V3
eVS Domestic	eVS
eVS Domestic Cancel	eVSCancel
eVS Express Mail International	eVSExpressMailIntl
eVS First Class Mail International	eVSFirstClassMailIntl
eVS GXG Public Label generation	eVSGXGGetLabel
eVS International Cancel	eVSICancel
eVS Priority Mail International	eVSPriorityMailIntl
GXG Get Commodity Information	GXGGetCommodityInfo
GXG - Guarantee	GXGGetGuarantee
Hold For Pickup Facility Information	HFPPFacilityInfo
International Price Calculator	IntlRateV2, IntlRate (deprecated)
Merchandise Return Service	MerchandiseReturnV4
Merchandise Return Service Bulk	MerchReturnV4Bulk
Priority Mail Service Standards	PriorityMail
Track and Confirm - Email	PTSEmail
Track and Confirm - Pod	PTSPod
Track and Confirm - Tpod	PTSTpod
Track and Confirm - Rre	PTSRre
Domestic Price Calculator	RateV4
SCAN	SCAN
Package Services Service Standards	StandardB
Track and Confirm	TrackV2
Address Validation	Verify
ZipCode Lookup	ZipCodeLookup

3.3.3 SSL Security Certificate Update (HTTPS Web Tools 2.0 APIs):

Common Name (CN)	Envir.	URLS	Expiration Date	Deployment Date
ea-webtools.usps.com	PROD	https://ea-webtools.usps.com https://webtools.usps.com	8/6/19	8/5/18

3.3.4 Secure HTTPS Web Tools 2.0 APIs

API	API Name
Package Intercept Status	status
Package Intercept Hold For Pickup	holdForPickup
Package Intercept Redirect	createRedirect
Package Intercept Return to Sender	createRTS
Create Delivery Instructions	createDeliveryInstructions
EDDMR	EDDMR
ForeverPrepaidLabel	ForeverPrepaidLabel
DI and Redelivery Availability	getDIRedeliveryAvailability
DI and Redelivery Status	getDIRedeliveryStatus
Create Redelivery	createRedelivery