

USPS Pricing Engine Web Services

July 20, 2018

Summary

This is the Domestic and International Pricing Engine Web Services (version 11.6.3.0) for the July 27, 2018 Release. The following is a list of enhancements included in this release.

Integration of WebTools for City/State Data

Starting with Release 11.6.3.0 the Pricing Engine will no longer use internal logic or its database for the City / State data. The Pricing Engine will use the WebTools Web Service API for City / State related data.

Failed Call to the WebTools Web Service API

If the number of retries is exceeded without success the Domestic Price Engine will use internal City / State logic. Since the names of the Cities and States cannot be determined, the responding City and State fields in the Geography object will be empty strings. Failure to access City / State data will not affect the rates, service comments or other data returned by the Pricing Engine.

Zone Chart Exception Fix

A fix has been applied to the Zone Chart Exceptions logic that was extended to include Priority Mail to APO/FPO/DPO (BNS 619). The logic flaw allowed the engine to return zone exceptions from multiple zone charts: one from the active, or effective, zone chart; one for each inactive, previous, zone chart that may be in the database. For example, a request for prices where the destination was an APO/FPO/DPO would return two "AdditionalZone" for Priority Mail. One for the current zone chart effective June 1. The other for the prior zone chart release effective January 1. Price calculations were never impacted.

Zone5Digit Correction

A defect was corrected where it was found the GetZones method was not returning the Zone5Digit objects. These objects describe the properties of the zone 5-digit exception. This was a result of the correction made that eliminated duplicate "AdditionalZone" above.

Secure Socket / TLS 1.2 Protocol

It has been mandated by USPS that all network traffic between application be encrypted using the TLS 1.2 Protocol. To accomplish this mandate, the Pricing Engine Web Services has been updated to allow only secure socket with the TLS 1.2 Protocol. Downstream applications calling the Pricing Engine Web Services will need to switch to secure socket (HTTPS) and support the TLS 1.2 Protocol.

Impact on Existing Applications

WSDLs have not been update; you should not have to rebuild your applications.

Reported Defects and Change Request

<p>D-30171 Zone Chart Exception Fix</p> <p>A fix has been applied to the Zone Chart Exceptions logic that was extended to include Priority Mail to APO/FPO/DPO (BNS 619). The logic flaw allowed the engine to return zone exceptions from multiple zone charts: one from the active, or effective, zone chart; one for each inactive, previous, zone chart that may be in the database. For example, a request for prices where the destination was an APO/FPO/DPO would return two "AdditionalZone" for Priority Mail. One for the current zone chart effective June 1. The other for the prior zone chart release effective January 1. Price calculations were never impacted.</p>	Corrected
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