USPS Pricing Engine Web Service

May 21, 2015

Summary
This is the Domestic and International Pricing Engine Web Services (version 11.2.0.0) for the April 2015 Release. The following is a list of enhancements included in this release.

Prices

1001 - Prices cells changing - Price Tables
Most prices have been updated.

Domestic and International Pricing Engine

Delete Customer Type map CNSB_Retail_Stamps_009R4
Delete the Domestic and International customer maps for 009R4 CNSB Retail Stamps. The following error message will now be returned when the Customer Type is 009R4:

We are unable to complete your request. This application now requires the identification of a payment method – (postage meter, permit, eVS). Please close out and restart the application to get the latest version

Domestic Pricing Engine

1300-285 - FCM parcels moved to competitive
First-Class Mail Parcel Retail has been moved to First-Class Package Service. The First-Class Mail Parcel (Mail service ID 7) mail service will no longer be returned by the Pricing Engine. The First-Class Retail price is now being returned as the Retail “R” Postage Price for the First-Class Package Service (Mail service ID 55).

This update has not been approved to move to Production, system has been reverted back to the original state.

1900-283 - Simplify Extra Service Offerings
Changes have been made to the Domestic Pricing Engine to implement Simplify Extra Service Offerings. These changes include adding new extra services and removing obsolete extra services. Extra service combinations have also been modified per the requirements. All the customer maps have been updated to include and remove the extra services allowed for each customer type.

Extra Services Added

<table>
<thead>
<tr>
<th>ID</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>170</td>
<td>Certified Mail Restricted Delivery</td>
</tr>
</tbody>
</table>
The Pricing Engine allows for the new “Special Handling” extra services to be specified as the Mail Piece Content. Reference the following tables for content and price detail keys:

**Content Keys**

<table>
<thead>
<tr>
<th>Key</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LiveAnimals</td>
<td>The mail piece content is a Live Animal(s). Equivalent to Special Handling - Live Animal Transportation</td>
</tr>
<tr>
<td>DayOldPoultry</td>
<td>The mail piece content is a Live Animal(s) that is Day Old Poultry.</td>
</tr>
<tr>
<td>Hazmat</td>
<td>The mail piece content is Hazmat. Equivalent to Special Handling - Hazardous Material Transportation</td>
</tr>
<tr>
<td>GroundTransportation</td>
<td>The mail piece requires Ground Transportation.</td>
</tr>
<tr>
<td>Nonmachinable</td>
<td>The mail piece is Not Machinable.</td>
</tr>
<tr>
<td>CrematedRemains</td>
<td>The mail piece content is Cremated Remains Equivalent to Special Handling - Cremated Remains</td>
</tr>
<tr>
<td>Perishables</td>
<td>The mail piece content is Perishable. Equivalent to Special Handling - Perishables</td>
</tr>
<tr>
<td>Fragile</td>
<td>The mail piece content is Fragile Equivalent to Special Handling - Fragile</td>
</tr>
</tbody>
</table>

**Price Detail Keys**

<table>
<thead>
<tr>
<th>Key</th>
<th>Description</th>
</tr>
</thead>
</table>
International Pricing Engine

2100-271 - One Americas Zone pricing
Changes have been made to the International Pricing Engine to implement Canadian zone pricing. When requesting rates for Priority Mail International to Canada the 3-digit Origin ZIP code and the first digit of the Destination Postal code is now required. The Pricing Engine will also accept the 5-digit Origin ZIP code and any number of digits for the Destination Postal code.

Structure change
An errors section has been added to the International ServicesWithPricing class. This section contains a collect of error numbers/ messages objects.

GetServicesWithPricing method
If the specified country is Canada and the Origin ZIP code and/or Destination Postal code is not specified in the request; an error will be returned in the new error section of the ServicesWithPricing class.

CalculateServicePrice method
If the specified country is Canada and the Origin ZIP code and/or Destination Postal code is not specified in the request; an exception will be thrown.

2101 - Updating Prohibitions, Restrictions, and Observations in the Individual Country Listings. (Regulatory)

Tokelau – regulatory
- Changed parent country from Western Samoa to New Zealand
- Changed from PMEI price group 6 to price group 10
- Changed from PMI price group 6 to price group 10
- Changed Name to "Tokelau (New Zealand)"
- Changed CountryNumber to 244
- Changed Code to (NZ)

Western Samoa – regulatory
- Changed name from "Western Samoa" to "Samoa" - 10512
- Changed child countries to end with "(Samoa)"
  - Atafu (Samoa) - 10505
  - Fakaofo (Samoa) - 10506
  - Nukunonu (Samoa) - 10507
- Savaii Island (Samoa) - 10508
- Upolu Island (Samoa) - 10511

**Saint (St.) Christopher - regulatory**
- Changed name from “Saint Christopher and Nevis” to “Saint (St.) Kitts and Nevis” - 10400
- Changed child countries to end with "(Saint (St.) Kitts and Nevis)"
  - Nevis (Saint (St.) Kitts and Nevis) - 10399
  - Saint Kitts (Saint (St.) Kitts and Nevis) - 10401

**2102 - Additional Countries for PMEI (with Price Group)**
Priority Mail Express International will now be returned for the following countries

<table>
<thead>
<tr>
<th>ID</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>10048</td>
<td>Burma</td>
</tr>
<tr>
<td>10049</td>
<td>Myanmar (Burma)</td>
</tr>
<tr>
<td>10225</td>
<td>Canton Island (Kiribati)</td>
</tr>
<tr>
<td>10226</td>
<td>Christmas Island (Kiribati)</td>
</tr>
<tr>
<td>10227</td>
<td>Enderbury Island (Kiribati)</td>
</tr>
<tr>
<td>10228</td>
<td>Fanning Island (Kiribati)</td>
</tr>
<tr>
<td>10229</td>
<td>Gilbert Islands (Kiribati)</td>
</tr>
<tr>
<td>10230</td>
<td>Kiribati</td>
</tr>
<tr>
<td>10231</td>
<td>Ocean Island (Kiribati)</td>
</tr>
<tr>
<td>10372</td>
<td>Sao Tome and Principe</td>
</tr>
</tbody>
</table>

**URLs**

**Domestic**
http://dbservices.usps.com/PricingServices.asmx

**International**
http://ibservices.usps.com/PricingServices.asmx
## Reported Defects

<table>
<thead>
<tr>
<th>ID</th>
<th>Title</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>2730</td>
<td>Weight limit in error message is wrong.</td>
<td>Corrected</td>
</tr>
<tr>
<td>3264</td>
<td>1001 - Registered Mail COD Showing wrong fee value</td>
<td>Corrected</td>
</tr>
<tr>
<td>3306</td>
<td>2102 - Extra Services are not available for Burma, Kiribati and Sao Tome and Principe</td>
<td>Corrected</td>
</tr>
<tr>
<td>3413</td>
<td>1900-283 - Simplify Extra Service Offerings - eVS is not returning all requested Extra Services</td>
<td>Corrected</td>
</tr>
<tr>
<td>3489</td>
<td>1900-283 - Simplify Extra Service Offerings - USPS Tracking should be returned for FCM, MM, LM, BPM</td>
<td>Corrected</td>
</tr>
<tr>
<td>3529</td>
<td>1900-283 - Simplify Extra Service Offerings - Incorrect Rate for PME and PM Insurance</td>
<td>Corrected</td>
</tr>
<tr>
<td>3577</td>
<td>1900-283 - Simplify Extra Service Offerings - Incorrect Loss Limit for Registered Mail</td>
<td>Corrected</td>
</tr>
<tr>
<td>3627</td>
<td>1001 - Prices cells changing - Price Tables - Incorrect price for Parcel Select 70 lbs</td>
<td>Corrected</td>
</tr>
<tr>
<td>3632</td>
<td>1001 - Prices cells changing - Price Tables - Incorrect Prices for FCM Flats and Parcels 3 ounces</td>
<td>Corrected</td>
</tr>
<tr>
<td>3637</td>
<td>1900-283 - Simplify Extra Service Offerings - Insurance Restricted Delivery should display an warning when &lt; $500</td>
<td>Corrected</td>
</tr>
<tr>
<td>3644</td>
<td>1900-283 - Simplify Extra Service Offerings - Footnotes should have Loss Limit as $50,000.00</td>
<td>Corrected</td>
</tr>
<tr>
<td>3671</td>
<td>1900-283 - Simplify Extra Service Offerings - Incorrect Extra Services for APO/FPO/DPO</td>
<td>Corrected</td>
</tr>
<tr>
<td>3676</td>
<td>1300-285 - FCM parcels moved to competitive - Incorrect error message</td>
<td>Corrected</td>
</tr>
<tr>
<td>3682</td>
<td>2100-271 - One Americas Zone pricing - Incorrect Max Weight for Canada</td>
<td>Corrected</td>
</tr>
<tr>
<td>3687</td>
<td>2100-271 - One Americas Zone pricing - Capitalize Postal Code</td>
<td>Corrected</td>
</tr>
<tr>
<td>3893</td>
<td>1900-283 - Simplify Extra Service Offerings - Remove Return Receipt Electronic from Insurance over $500</td>
<td>Corrected</td>
</tr>
<tr>
<td>4079</td>
<td>CR EDDM Prices are incorrect when weight is greater than 3.5 oz</td>
<td>Corrected</td>
</tr>
<tr>
<td>4084</td>
<td>Incorrect Extra Services for some Mail Service and Combinations</td>
<td>Corrected</td>
</tr>
</tbody>
</table>

### 2730 Weight limit in error message is wrong

**International Pricing Engine**

**Problem:**
Error message regarding weight is wrong. This is in regard to the mail services that have a limit of 4 pounds. The error message says 20 pounds as the limit instead of the 4.

### 3264 1001 - Registered Mail COD Showing wrong fee value

**Domestic Pricing Engine**

**Problem:**
In COD Registered table, the fee is showing a different value than the spreadsheet.

In the Database, the fee is 5.15
In the spreadsheet, the fee is 5.90

**3306 2102 - Extra Services are not available for Burma, Kiribati and Sao Tome and Principe**

**International Pricing Engine**

**Problem:**
No extra services are being returned

**3413 1900-283 - Simplify Extra Service Offerings - eVS is not returning all requested Extra Services**

**Domestic Pricing Engine**

**Problem:**
eVS Comm. Base is missing the following Extra Services 011B6
170 - Certified Mail Restricted Delivery
171 - Certified Mail Adult Signature Required
172 - Certified Mail Adult Signature Restricted Delivery
174 - Signature Confirmation™ Electronic Restricted Delivery

eVS Comm. Plus is missing the following Extra Services 011P6
174 - Signature Confirmation™ Electronic Restricted Delivery

**3489 1900-283 - Simplify Extra Service Offerings - USPS Tracking should be returned for FCM, MM, LM, BPM**

**Domestic Pricing Engine**

**Problem:**
Add USPS Tracking to Media Mail, Library Mail, BPM Parcels and First-Class Package Service

**3529 1900-283 - Simplify Extra Service Offerings - Incorrect Rate for PME and PM Insurance**

**Domestic Pricing Engine**

**Problem:**
When the declared value is $12 for PME and PM in the domestic retail calc. and a fee is showing – should be No Charge.
3577 1900-283 - Simplify Extra Service Offerings - Incorrect Loss Limit for Registered Mail

Domestic Pricing Engine

Problem:

For both domestic business and retail:
Liability for loss or damage is limited up to $25,000.00.
Should now be:
Liability for loss or damage is limited up to $50,000.00.

3627 1001 - Prices cells changing - Price Tables - Incorrect price for Parcel Select 70 lbs

Domestic Pricing Engine

Problem:

- For Parcel Select ONDC Presort, the Oversized prices is being returned for the 70lb price
- For Parcel Select – Nonpresort, the Oversized prices are being returned for the 70lb price
- For Parcel Select Destination Entry – Nonmachinable, the Oversized prices are being returned for the 70lb price

3632 1001 - Prices cells changing - Price Tables - Incorrect Prices for FCM Flats and Parcels 3 ounces

Domestic Pricing Engine

Problem:

The following calculators are returning 4 ounce prices when the user enters 3 ounces:

- FCM Flats - Automation Flats
- FCM Flats - Nonautomation Flats
- FCM Flats - Roundtrip DVD, CD or Other Disc Automation Flats
- FCM Flats - Roundtrip DVD, CD or Other Disc Nonautomation Flats
- First-Class Package Service Retail 3 ounce is showing 4 ounce price

3637 1900-283 - Simplify Extra Service Offerings - Insurance Restricted Delivery should display an warning when < $500

Domestic Pricing Engine

Problem:

Should display warning about Insurance Restricted Delivery must be more than $500
3644 1900-283 - Simplify Extra Service Offerings - Footnotes should have Loss Limit as $50,000.00

Domestic Pricing Engine
Problem:
Footnotes states the Liability for loss or damage is limited up to $25,000.00, should be $50,000.00

3671 1900-283 - Simplify Extra Service Offerings - Incorrect Extra Services for APO/FPO/DPO

Domestic Pricing Engine
Problem:
APO/FPO/DPO Extra Service rules need to be applied to the new Extra Services

3676 1300-285 - FCM parcels moved to competitive - Incorrect error message

Domestic Pricing Engine
Problem:
If we submit a weight >= 16 ounces for "R" or "CB" the following error message is returned:
"The entered weight must be less than 16 ounces"

If we submit a weight > 13 and <= 16 ounces for "R" or "CB" we get the standard error message back from the pricing engine:
"The requested Mail Service is not available for the specified customer type."

Correct Behavior:
The error message for "R" and "CB" should be:
"The entered weight must be less than or equal to 13 ounces"

The error message for "CP" should be:
"The entered weight must be less than 16 ounces"

3682 2100-271 - One Americas Zone pricing - Incorrect Max Weight for Canada

International Pricing Engine
Problem:
The max weight for Canada PMI is 66lbs – we should change the 70lbs to say 66lbs for Retail, CB, and CP (ibcalc)
International Pricing Engine

**Problem:**
The user is required to input the Canada Postal Code in All Caps or it will not accept it. Could we put something directly under "Destination Postal Code" that says (Postal Code must be in all caps) or something like that?

**Solution:**
Capitalize Postal Code below checking database for zone

**1900-283 - Simplify Extra Service Offerings - Remove Return Receipt Electronic from Insurance over $500**

**Problem:**
The product owner is requesting that Return Receipt Electronic not be allowed as an additional Extra Service when paired with insurance greater than $500. The product owner is stating that the customer can receive signature service and proof of delivery with only the purchase of insurance greater than $500 via Track and Confirm. Therefore, the Rate Engine will remove the option of purchasing Return Receipt Electronic for items when insurance greater than $500 is purchased. The Rate Engine will still allow customers to purchase Return Receipt (hardcopy) with insurance greater than $500.

**4079 - CR EDDM Prices are incorrect when weight is greater than 3.5 oz**

**Problem:**
Standard mail and Nonprofit Standard Mail EDDM Letters (Standard Mail Saturation Letters)

Up to 3.5 oz receives automation saturation prices with only a per piece price, this includes listed prices of up to 3.3 oz and over 3.3 up to 3.5 oz. (Std M automation prices only go up to 3.5 oz)

Over 3.5 oz up to 16 oz receives Nonautomation saturation prices with a per piece price and a per lb price.

**4048 - Incorrect Extra Services for some Mail Service and Combinations**

**Problem:**
1. Standard Mail Automation Letters should not have "USPS Tracking Electronic"
2. Standard Mail Automation Flats should not have "USPS Tracking Electronic"
3. Return Receipt should be returned when "Signature Confirmation Restricted Delivery" is selected
4. hazmat should not return "Media Mail", "Library Mail" and "BPM"