USPS Pricing Engine SDK

December 4, 2015.

Summary
This is the Domestic and International Pricing Engine SDK (version 11.3.0.0) for the January 2016 Release. The following is a list of Enhancements included in this release.

Note: the database names will be updated for the next release.

Updated version number and sign all DLLs
All the libraries have been update to version 11.3.0.0 and re-signed.

Domestic Pricing Engine

BNS 426 – PM MEPT Change Price Values
Change prices in existing price cells in all classes of mail for Competitive

BNS 339 – Eliminate Priority Mail Express Flat Rate Box
Priority Mail Express Flat Rate Box has been turned off for the following customer maps:

<table>
<thead>
<tr>
<th>Customer Map</th>
<th>Service Type</th>
<th>Class</th>
<th>Database</th>
</tr>
</thead>
<tbody>
<tr>
<td>008B3</td>
<td>Click-N-Ship</td>
<td>Commercial Base</td>
<td>CNS</td>
</tr>
<tr>
<td>009B6</td>
<td>Click-N-Ship for Business</td>
<td>Commercial Base</td>
<td>Permit Imprint</td>
</tr>
<tr>
<td>009P6</td>
<td>Click-N-Ship for Business</td>
<td>Commercial Plus</td>
<td>Permit Imprint</td>
</tr>
<tr>
<td>009B5</td>
<td>Click-N-Ship for Business</td>
<td>Commercial Base</td>
<td>Metered</td>
</tr>
<tr>
<td>015B4</td>
<td>EASR</td>
<td>Commercial Base</td>
<td>Postage Stamps</td>
</tr>
<tr>
<td>015P4</td>
<td>EASR</td>
<td>Commercial Plus</td>
<td>Postage Stamps</td>
</tr>
<tr>
<td>015R4</td>
<td>EASR</td>
<td>Retail</td>
<td>Postage Stamps</td>
</tr>
<tr>
<td>011B6</td>
<td>eVS</td>
<td>Commercial Base</td>
<td>Permit Imprint</td>
</tr>
<tr>
<td>011P6</td>
<td>eVS</td>
<td>Commercial Plus</td>
<td>Permit Imprint</td>
</tr>
<tr>
<td>007B7</td>
<td>PC Postage</td>
<td>Commercial Base</td>
<td>PC Postage</td>
</tr>
<tr>
<td>012R4</td>
<td>PASS</td>
<td>Retail</td>
<td>Postage Stamps</td>
</tr>
<tr>
<td>018B6</td>
<td>PFSC</td>
<td>Commercial Base</td>
<td>Permit Imprint</td>
</tr>
<tr>
<td>004B4</td>
<td>WebTools</td>
<td>Commercial Base</td>
<td>Postage Stamps</td>
</tr>
<tr>
<td>004P4</td>
<td>WebTools</td>
<td>Commercial Plus</td>
<td>Postage Stamps</td>
</tr>
<tr>
<td>004R4</td>
<td>WebTools</td>
<td>Retail</td>
<td>Postage Stamps</td>
</tr>
<tr>
<td>014R4</td>
<td>Postage Price Calculator</td>
<td>Retail</td>
<td>Postage Stamps</td>
</tr>
</tbody>
</table>

BNS 351 – Eliminate Priority Mail Regional Rate Box C
Priority Mail Regional Rate Box C has been turned off for the following customer maps:

<table>
<thead>
<tr>
<th>Customer Map</th>
<th>Service Type</th>
<th>Class</th>
<th>Database</th>
</tr>
</thead>
<tbody>
<tr>
<td>008B3</td>
<td>Click-N-Ship</td>
<td>Commercial Base</td>
<td>CNS</td>
</tr>
</tbody>
</table>
BNS 416 – Eliminate Critical Mail
Priority Mail Letter Critical Mail, Priority Mail Letter Critical Mail with Signature, Priority Mail Flat Critical Mail, Priority Mail Flat Critical Mail with Signature, have been turned off for the following customer maps:

<table>
<thead>
<tr>
<th>Customer Map</th>
<th>Service Type</th>
<th>Retail</th>
<th>Postage Stamps</th>
</tr>
</thead>
<tbody>
<tr>
<td>012R4 PASS</td>
<td>Retail</td>
<td></td>
<td>Postage Stamps</td>
</tr>
<tr>
<td>022P6 SBP</td>
<td>Commercial Plus</td>
<td>Permit Imprint</td>
<td>Postage Stamps</td>
</tr>
<tr>
<td>014R4 Postage Price Calculator</td>
<td>Retail</td>
<td>Postage Stamps</td>
<td></td>
</tr>
</tbody>
</table>

BNS 337 – Eliminate First-Class Package Service CPP Prices
1. First-Class Package Service Commercial Plus Prices will no longer be returned for the following customer maps:

<table>
<thead>
<tr>
<th>Customer Map</th>
<th>Service Type</th>
<th>Commercial Plus</th>
<th>Permit Imprint</th>
<th>Postage Stamps</th>
</tr>
</thead>
<tbody>
<tr>
<td>009P6 Click-N-Ship for Business</td>
<td>Commercial Plus</td>
<td>Permit Imprint</td>
<td>Postage Stamps</td>
<td></td>
</tr>
<tr>
<td>015P4 EASR</td>
<td>Commercial Plus</td>
<td>Permit Imprint</td>
<td>Postage Stamps</td>
<td></td>
</tr>
<tr>
<td>011P6 eVS</td>
<td>Commercial Plus</td>
<td>Permit Imprint</td>
<td>Postage Stamps</td>
<td></td>
</tr>
<tr>
<td>004P4 WebTools</td>
<td>Commercial Plus</td>
<td>Permit Imprint</td>
<td>Postage Stamps</td>
<td></td>
</tr>
</tbody>
</table>

2. First-Class Package Service Commercial Base Prices will now be returned for weights greater than 13 oz. and less than 16 oz.

BNS 341 – Ground Product Strategy and New Name
Renamed the following Mail Services

<table>
<thead>
<tr>
<th>Mail Service ID</th>
<th>Was</th>
<th>Now</th>
</tr>
</thead>
<tbody>
<tr>
<td>73</td>
<td>Standard Post</td>
<td>USPS Retail Ground™</td>
</tr>
</tbody>
</table>
BNS 343 – Eliminate Parcel Select ONDC Presort and NDC Presort
This will have no effect on the SDK systems and is only included to keep SDK databases in sync.

BNS 330 – Eliminate PRS NDC
This will have no effect on the SDK systems and is only included to keep SDK databases in sync.

BNS 316 – Click-N-Ship Retail Prices Not Commercial Base
1. A new customer map for Click-N-Ship was added
   Name: 008R3
   The 008R3 customer map matches the 008B3 customer map with the following exceptions
   a. Only retail “R” prices are returned
   b. Regional Rate Box A, B and C are not returned
2. A new customer map for Mobile was added
   a. Name: 023C4
   b. The 023C4 customer map contains pricing for both Retail and Click-N-Ship. The Price
      Type “R” is used for to indicate that the Mail Service is available at the Retail counter for
      the Price contained with the same object. The Price Type “O” is used for to indicate that
      the Mail Service is available at on Click-N-Ship for the Price contained with the same
      object.
Examples:

- **ServicesWithPricing**
  - **Geography**
  - **PostageServices**
    - [1] Priority Mail Express 1-Day™
    - [10] Priority Mail 2-Day™
      - Name: Priority Mail 2-Day™
      - GroupCode: DPXX0XX
      - ID: 10
    - **DeliveryOptions**
      - DeliveryOption
        - Key: XX
        - Name: 
          - Commitment: Fri, Oct 9
      - **PostagePrices**
        - PostagePrice
          - Amount: 6.00
          - Type: R
          - PriceDetails
        - PostagePrice
          - Amount: 6.00
          - Type: O
          - PriceDetails
      - DeliveryOption
        - Key: HX
        - Name: Hold For Pickup
        - Commitment: Fri, Oct 9
      - **PostagePrices**
        - PostagePrice
          - Amount: 6.00
          - Type: O
          - PriceDetails

**Note:** “C” is a new Price Type used only for Calculator Customs Maps.

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**International Pricing Engine**

**BNS 426 – PM MEPT Change Price Values**
Change prices in existing price cells in all classes of mail for Competitive

**BNS 357 – Priority Mail International Insurance Included**
1. Priority Mail Express International and Priority Mail International will now return $0.00 for the cost for Insurance when the Declared Value is $200.00 or less.
2. The following new Contain Type has been added to indicate that the mail piece contains only Nonnegotiable Documents. When it is indicated that the mail piece contains only Nonnegotiable Documents the Pricing Engine will not return Insurance as an extra service.

<table>
<thead>
<tr>
<th>Key</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NonnegotiableDocument</td>
<td>The mail piece contains only Nonnegotiable Document(s)</td>
</tr>
</tbody>
</table>

3. The following new Attributes have been added to any Mail Service that allows Insurance.

<table>
<thead>
<tr>
<th>Key</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>IncInceNonnegotiableDoc</td>
<td>Included Insurance Nonnegotiable Document</td>
</tr>
<tr>
<td>IncInceMerchandise</td>
<td>Included Insurance Merchandise</td>
</tr>
</tbody>
</table>

**BNS 377 – Expand PMI & PMEI Rate Group Structure to Regions**
The Pricing Engine will return Regional based pricing for Priority Mail Express International Flat Rate and Priority Mail International Flat Rate products.

**BNS 380 – New Designated Operator for Bonaire, St. Eustatius, Saba**

1. Added a new parent country:

<table>
<thead>
<tr>
<th>Name</th>
<th>Bonaire, Sint Eustatius, and Saba</th>
</tr>
</thead>
<tbody>
<tr>
<td>Country ID</td>
<td>12318</td>
</tr>
<tr>
<td>Code</td>
<td>BQ</td>
</tr>
<tr>
<td>Country Number</td>
<td>535</td>
</tr>
</tbody>
</table>

2. Re-parented “Bonaire”, “St. Eustatius” and “Saba” to the new country “Bonaire, St. Eustatius, and Saba” with the following changes

<table>
<thead>
<tr>
<th>County ID</th>
<th>Name</th>
<th>Code</th>
<th>Country Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>10299</td>
<td>Bonaire (Bonaire, Sint Eustatius, and Saba)</td>
<td>BQ</td>
<td>535</td>
</tr>
<tr>
<td>10303</td>
<td>Saba (Bonaire, Sint Eustatius, and Saba)</td>
<td>BQ</td>
<td>535</td>
</tr>
<tr>
<td>10304</td>
<td>Sint Eustatius (Bonaire, Sint Eustatius, and Saba)</td>
<td>BQ</td>
<td>535</td>
</tr>
</tbody>
</table>

3. Updated Country Regulations for “Curacao”
4. Added Country Regulations for “Bonaire, Sint Eustatius, and Saba”

**BNS 453 – Expand Electronic USPS Delivery Confirmation**
Added “USPS Delivery Confirmation Electronic” to “Slovak Republic”, “Turkey”, “Lebanon” and “Norway”.

**BNS 465 – CNS Pays Retail Prices for PMEI, PMI, GXG, & FCPIIS**

1. A new customer map for Click-N-Ship was added
   Name: 008R3
   The 008R3 customer map matches the 008B3 customer map with the following exceptions
   a. Only retail “R” prices are returned
2. A new customer map for Mobile was added
a. Name: 023C4
b. The 023C4 customer map contains pricing for both Retail and Click-N-Ship. The Price Type “R” is used for to indicate that the Mail Service is available at the Retail counter for the Price contained with the same object. The Price Type “O” is used for to indicate that the Mail Service is available at on Click-N-Ship for the Price contained with the same object.
c. GXG will not be returned

BNS 466 - Eliminate PMEI Flat Rate Box
Priority Mail Express International Flat Rate Box has been turned off for the following customer maps:

<table>
<thead>
<tr>
<th>Code</th>
<th>Customer Type</th>
<th>Base Type</th>
<th>Rate Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>008B3</td>
<td>Click-N-Ship</td>
<td>Commercial Base</td>
<td>CNS</td>
</tr>
<tr>
<td>009B5</td>
<td>Click-N-Ship for Business</td>
<td>Commercial Base</td>
<td>Metered</td>
</tr>
<tr>
<td>011B6</td>
<td>eVS</td>
<td>Commercial Base</td>
<td>Permit Imprint</td>
</tr>
<tr>
<td>011P6</td>
<td>eVS</td>
<td>Commercial Plus</td>
<td>Permit Imprint</td>
</tr>
<tr>
<td>007B7</td>
<td>PC Postage</td>
<td>Commercial Base</td>
<td>PC Postage</td>
</tr>
<tr>
<td>004B4</td>
<td>WebTools</td>
<td>Commercial Base</td>
<td>Postage Stamps</td>
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<td>WebTools</td>
<td>Retail</td>
<td>Postage Stamps</td>
</tr>
<tr>
<td>014R4</td>
<td>Postage Price Calculator</td>
<td>Retail</td>
<td>Postage Stamps</td>
</tr>
</tbody>
</table>

Domestic and International Pricing Engines

BNS 439 - Visibility for Pharmaceuticals and Critical Shipments
The Domestic and International Pricing Engines have been updated to support the "Pharmaceuticals” and "MedicalSupplies” content types for the eVS customer types (011B6 and 011P6). For the eVS customer types, specifying either "Pharmaceuticals” or "MedicalSupplies” as the content type will result in only the following mail services being returned:

Domestic:
- Priority Mail
- Priority Mail Express
- Frist-Class Mail Parcel
- First-Class Package Service
- Parcel Select

International
- Priority Mail International
- Priority Mail Express International
- First-Class Package International Service
**CR 5661 - BNS 439 - Add Pharmaceuticals and MedicalSupplies to MetroPost**

Update the Domestic Pricing Engine to support the "Pharmaceuticals" and "MedicalSupplies" content types for the Metro Post customer types (016R4).

**BNS 426 - The Pricing Engine will be establishing a new interface to support Discounts, Fees and Surcharges**

A new interface has been added to the Domestic and International Pricing Engines to support discount, fees and surcharges pricing.

**Method Signature**

```plaintext
GetMailingFees(in mailingFeeRequest : MailingFeeRequest) : MailingFee
```

**Description**

The method is used to get the Mailing Fee for a specified key. The Mailing Fee Request can contain a list of keys or a single key path with dots "." delimiters. If the full key path is not specified the result will be in the form of a tree with the end of each branch containing the price, cost, value key, and value limits. If the QueryValue is specified the results will be filtered using the value limits. If the value key of all the result mailing fee matches, the value is applied to calculate the Cost.

**Request Key Example:**

```
AddressCorrection.Electronic.FCM
```

or

```
AddressCorrection
Electronic
FCM
```

**Query Value Example:**

**Request:**

```
QueryValue = 10
FeeKey = “StampedEnvelopes.PlainStampedEnvelopes.Basic.10.Each”
```

**Results:**

```
Price = 0.13
Cost = 1.30
```

**See Appendix A for Code Examples and Test Tool demo**

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**MailingFee Class**

**Namespace**


**Base Class**

None
Properties
- Cost : decimal
- FeeKey : string
- Price : decimal
- ValueKey : string
- ValueKeyLowerLimit : decimal
- ValueKeyUpperLimit : decimal

MailingFeeCollection Class

Namespace

Base Class
List<MailingFee>

Properties
None

MailingFeeRequest Class

Namespace

Base Class
None

Properties
- IDCard : IDCard
- FeeKeys : FeeKeyCollection
- QueryValue : decimal

MailingFeeRequest.FeeKey Class

Namespace

Base Class
None

Properties
- Value : string
MailingFeeRequest .FeeKeyCollection Class

Namespace

Base Class
List<MailingFeeRequest .FeeKey>

Properties
None

Impact on Existing Applications
You will not have to rebuild your applications.

Instructions
1. Copy the DLLs
2. Execute SQL scripts in order shown below or execute the batch files

Note: The batch can be executed with a parameter that specifies the database name.

i.e.: > “Execute Domestic Price Change Updates.bat” “USPS_DOM_2015_JAN_2016”

Contents

<table>
<thead>
<tr>
<th>Description</th>
<th>File</th>
</tr>
</thead>
<tbody>
<tr>
<td>Folder</td>
<td>Database</td>
</tr>
<tr>
<td></td>
<td>Domestic</td>
</tr>
<tr>
<td>SQL Script</td>
<td>BNS 316.sql</td>
</tr>
<tr>
<td>SQL Script</td>
<td>BNS 337-1.sql</td>
</tr>
<tr>
<td>SQL Script</td>
<td>BNS 337-2.sql</td>
</tr>
<tr>
<td>SQL Script</td>
<td>BNS 339.sql</td>
</tr>
<tr>
<td>SQL Script</td>
<td>BNS 341-1.sql</td>
</tr>
<tr>
<td>SQL Script</td>
<td>BNS 341-2.sql</td>
</tr>
<tr>
<td>SQL Script</td>
<td>BNS 351.sql</td>
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<td>SQL Script</td>
<td>BNS 416.sql</td>
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<tr>
<td>SQL Script</td>
<td>BNS 343.sql</td>
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<tr>
<td>SQL Script</td>
<td>BNS 330.sql</td>
</tr>
<tr>
<td>SQL Script</td>
<td>BNS 426.sql</td>
</tr>
<tr>
<td>SQL Script</td>
<td>BNS 439.sql</td>
</tr>
<tr>
<td>SQL Script</td>
<td>BNS 426-1.sql</td>
</tr>
<tr>
<td>Batch File</td>
<td>Execute Domestic Price Change Updates.bat</td>
</tr>
<tr>
<td>Folder</td>
<td>CustomerMaps</td>
</tr>
<tr>
<td>Component</td>
<td>Description</td>
</tr>
<tr>
<td>---------------------------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td><strong>SQL Scripts</strong></td>
<td>CreateClient_*</td>
</tr>
<tr>
<td><strong>Batch File</strong></td>
<td>Execute Domestic Customer Maps Updates.bat</td>
</tr>
<tr>
<td><strong>Folder</strong></td>
<td>International</td>
</tr>
<tr>
<td><strong>SQL Script</strong></td>
<td>BNS 466.sql</td>
</tr>
<tr>
<td><strong>SQL Script</strong></td>
<td>BNS 357.sql</td>
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<tr>
<td><strong>SQL Script</strong></td>
<td>BNS 377-1.sql</td>
</tr>
<tr>
<td><strong>SQL Script</strong></td>
<td>BNS 377-2.sql</td>
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<tr>
<td><strong>SQL Script</strong></td>
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<td><strong>SQL Script</strong></td>
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<td>BNS 426.sql</td>
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<td><strong>SQL Script</strong></td>
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<tr>
<td><strong>Batch File</strong></td>
<td>Execute International Price Change Updates.bat</td>
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<td><strong>SQL Scripts</strong></td>
<td>CreateClient_*</td>
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<td><strong>Batch File</strong></td>
<td>Execute International Customer Maps Updates.bat</td>
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<td><strong>Folder</strong></td>
<td>Libraries</td>
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<tr>
<td><strong>Business Framework</strong></td>
<td>RateEngine_Business.dll</td>
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<tr>
<td><strong>Domestic Business Rate Engine</strong></td>
<td>RateEngine_DomBusiness.dll</td>
</tr>
<tr>
<td><strong>International Business Rate Engine</strong></td>
<td>RateEngine_IntlBusiness.dll</td>
</tr>
<tr>
<td><strong>Service Delivery Extensions</strong></td>
<td>ServiceDeliveryExtensions.dll</td>
</tr>
<tr>
<td><strong>Customs Forms Engine</strong></td>
<td>CustomsFormsEngine.dll</td>
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<tr>
<td><strong>Folder</strong></td>
<td>Test Tools</td>
</tr>
<tr>
<td><strong>Domestic Business Test Tool</strong></td>
<td>DomBusinessSrvTest.exe</td>
</tr>
<tr>
<td><strong>International Business Test Tool</strong></td>
<td>IntlBusinessSrvTest.exe</td>
</tr>
<tr>
<td><strong>Libraries and Configuration files</strong></td>
<td>*</td>
</tr>
<tr>
<td><strong>Design Model</strong></td>
<td>Pricing Engine Design Model.pdf</td>
</tr>
<tr>
<td><strong>Release Notes</strong></td>
<td>USPS Pricing Engine SDK 11.3.0.0.pdf</td>
</tr>
</tbody>
</table>
Reported Defects

<table>
<thead>
<tr>
<th>ID</th>
<th>Title</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>5331</td>
<td>BNS 316 - CNS Client Mapping 008B3 should return an error</td>
<td>Corrected</td>
</tr>
<tr>
<td>5332</td>
<td>BNS 341 - Ground Products Strategy and New Name</td>
<td>Corrected</td>
</tr>
<tr>
<td>5466</td>
<td>BNS 426 - PC_MEPT_Change Price Values - Incorrect price for GXG Insurance</td>
<td>Corrected</td>
</tr>
<tr>
<td>5550</td>
<td>BNS 377 - PMI Small FRB not showing up for countries in group 6</td>
<td>Corrected</td>
</tr>
<tr>
<td>5588</td>
<td>PMEI Padded FRE is not being returned for Tonga</td>
<td>Corrected</td>
</tr>
<tr>
<td>5586</td>
<td>BNS 439 - When requesting Pharmaceuticals or MedicalSupplies in the Content tag the Insurance Extra Service is not return</td>
<td>Corrected</td>
</tr>
<tr>
<td>5666</td>
<td>BNS 426 - PC_MEPT_Change Price Values - PMI Flat Rate box prices incorrect for DVD and Large Video Flat Rate - Verify correction</td>
<td>Corrected</td>
</tr>
</tbody>
</table>

Bug 5331 - BNS 316 - CNS Client Mapping 008B3 should return an error

Steps to Reproduce
When requesting "GetServicesWith Pricing" using Client Map 008B3, valid responses are returned; expected an exception/error "Customer Type 008B3 is invalid". Please see email with screen shots from the test tool.

Acceptance Criteria
When requesting information from any Rate Engine method using Client Map 008B3, an exception/error should be returned “Customer Type 008B3 is invalid”.

Bug 5332 - BNS 341 - Ground Products Strategy and New Name

Steps to Reproduce
For Parcel Select NPS and Parcel Select Ground the Rate Engine returns “PARCEL SELECT GROUND”. This verbiage is put on the label banner. The requirements received from the business state the following should be returned:

- For Parcel Select NPS and Parcel Select Ground
  - "USPS PARCEL SELECT GND" should be returned.
- For Standard Post or Retail Ground
  - "USPS RETAIL GROUND" should be returned.

J. Salerno 10/20/15 per email from Lizbeth Dobbins dated 10/20/15:

I have already responded to James to let him know there is no conflict. As info for the rest of you on the email stream--

1. Ground is GND on the label for “space” issues. GND is the appropriate abbreviation when there is no room.
2. USPS must be on a shipping label—it doesn’t change what we are coding.
3. The marks are in the process of being registered. Legal would not have approved them moving forward if there was an issue.

With the above being stated it was decided the WebTools Team will put the Label Banner Text on the Label as requested by the business. The Rate Engine will send the names as stated in the MLOC along with the TM as follows:

- Renaming Parcel Select Nonpresort as Parcel Select Ground™ (PSG)
- Standard Post as USPS Retail Ground™

**Acceptance Criteria**
The requirements received from the business state the following should be returned:

- For Parcel Select NPS and Parcel Select Ground
  - "Parcel Select Ground™" should be returned.
- For Standard Post or Retail Ground
  - "USPS Retail Ground™" should be returned.

**Bug 5466 - BNS 426 - PC_MEPT_Change Price Values - Incorrect price for GXG Insurance**

**Steps to Reproduce**
The price for GXG insurance 1 to 100 should be 0

**Acceptance Criteria**
When between $1.00 and $100.00 is enter for GXG insurance the price of 0 is returned.

**Bug 5550 - BNS 377 - PMI Small FRB not showing up for countries in group 6**
The Priority Mail International® Small Flat Rate Box not available for Australia/New Zealand (Zone 6)

**Bug 5588 - PMEI Padded FRE is not being returned for Tonga**
Priority Mail Express International™ Padded Flat Rate Envelope not available for Tonga

**Bug 5586 - BNS 439 - When requesting Pharmaceuticals or MedicalSupplies in the Content tag the Insurance Extra Service is not return**
When requesting Pharmaceuticals or MedicalSupplies in the Content tag the Insurance Extra Service is not return.

**Bug 5666 - BNS 426 - PC_MEPT_Change Price Values - PMI Flat Rate box prices incorrect for DVD and Large Video Flat Rate - Verify correction**

**Steps to Reproduce**
2. In the Select a Destination drop-down, select Australia.
3. Enter 0 for the Item's Value.
4. Select the radio button for Package in the Select Shape section.
5. When prompted for Enter Weight, enter 2 pounds.
6. Click on the Continue button.
7. Select Priority Mail International Options to expand the PMI section.
8. You will notice that the postage price for the PMI DVD Flat Rate priced box and the Large Video Flat Rate priced box is incorrect as the calculator is returning the postage for PMI Envelopes.

Acceptance Criteria
In the reproduction steps, the PMI DVD Flat Rate priced box and the Large Video Flat Rate priced box should report $34.95. This is the price for PMI Flat Rate priced boxes in group 6.

All prices for PMI DVD and Large Video Flat Rate priced boxes should match the PMI Small Flat Rate priced boxes rates for the specified weight and price group.
Appendix A

Mailing Fees Code Example

Example 1

Request
MailingFeesRequest mailing_fees_request = new MailingFeesRequest();
   // id card
   mailing_fees_request.IDCard.CallerID = “14”;
mailing_fees_request.IDCard.SourceID = “14”;
mailing_fees_request.IDCard.CustomerType = “014R4”;
mailing_fees_request.FeeKeys.Add(
      new MailingFeesRequest.FeeKey() { Value = “AddressCorrection” });
mailing_fees_request.FeeKeys.Add(
      new MailingFeesRequest.FeeKey() { Value = “Electronic” });// id card

MailingFee mailing_fee = GetMailingFees(mailing_fees_request);

Results
   • AddressCorrection
   • Electronic
      • FCM
         • Price: $0.12
         • Cost: $0.12
      • Other
         • Price: $0.32
         • Cost: $0.32
Example 2

Request
MailingFeesRequest mailing_fees_request = new MailingFeesRequest();
// id card
mailing_fees_request.IDCard.CallerID = "14";
mailing_fees_request.IDCard.SourceID = "14";
mailing_fees_request.IDCard.CustomerType = "014R4";
mailing_fees_request.FeeKeys.Add(
    new MailingFeesRequest.FeeKey()
    {
        Value = "AddressCorrection.Electronic.FCM"
    });

MailingFee mailing_fee = GetMailingFees(mailing_fees_request);

Results
- AddressCorrection
  - Electronic
    - FCM
      - Price: 0.12000
      - Cost: 0.12000
**Example 3**

MailingFeesRequest mailing_fees_request = new MailingFeesRequest();

// id card

mailing_fees_request.IDCard.CallerID = "14";

mailing_fees_request.IDCard.SourceID = "14";

mailing_fees_request.IDCard.CustomerType = "014R4";

mailing_fees_request.FeeKeys.Add(
    new MailingFeesRequest.FeeKey() { Value = "ParcelAirlift" });

mailing_fees_request.QueryValue = 2;

MailingFee mailing_fee = GetMailingFees(mailing_fees_request);

**Results**

- **ParcelAirlift 0-2Pounds**
  - Price: $0.75
  - Cost: $3.75

- **Value Key**
  - ValueKey: Pounds
  - LowerLimit: 0.00000
  - UpperLimit: 2.00000
Mailing Fees Test Tool Demo

When no fee keys are specified the full tree is returned

A first level Fee Key is specified, only the matching fees are returned
The first and second level Fee Keys are specified, only the matching fees are returned.

The full Fee Key is specified, the single Fee is returned.
In this example the specified Fee Key has a range for each Fee returned. The Value Key is used to identify the meaning of the value and the range for each fee.

A Query Value can be entered to narrow the results or the full Fee Key can be specified.
The Query Value in some cases is also used to calculate the Cost
In some cases the Cost is calculated by using the price of different Fee Key.

In this example the Cost is the price of the first “250 cards” plus the price of the additional 99 “250 cards” or $83.45 + (99 * $5.20).
PO Box Service Example

**Fee Key is:**
POBoxService

**Fee Key is:**
POBOXService

MarketDominant
**Fee Key is:**

POBOXService

MarketDominant

Size3

Fee Key is:

POBOXService

MarketDominant

Size3

Group4
**Fee Key is:**
POBOXService
MarketDominant
Size3
Group4
Months6

**Fee Key is:**
POBOXService
MarketDominant
Size3
Group4

**QueryValue is:**
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