USPS Pricing Engine

Web Service Software Development Kit (SDK)

Guide to help developers integrate the Pricing Engine SDK into their applications.

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**Web Service Software Development Kit Overview**

This software development kit (SDK) is intended to provide software and Internet developers with the ability to integrate postage rate information into programs and/or web sites.

**Licenses and Liability**

The information and components contained within this SDK may be distributed only to individuals who have signed the USPS User License and may only be used in accordance with the terms of the USPS User License. The USPS assumes no liability for the incorrect implementation of this SDK once it has been incorporated into a client product. The USPS will supply upgrades to the data and/or the objects when needed, but it assumes no part in distribution of these upgrades once the engine has been integrated into client products.

**Purpose**

This document will explain the Domestic and International Pricing EngineWC3 Web Service Interface.

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Application Programming Interface (API)

Overview
The Pricing Engine is built using the Model, View, Controller (MVC) design pattern and should be used as a black box. All of the Pricing Engine behavior is provided by making calls to methods that are part of two interface classes named PostOfficeServices and PricingServices.

Working IDs
The Pricing Engine does not enumerate the ID. This was done to allow for greater flexibility. As new services are added the ID of that service only needs to be known to the service itself. The user of the Pricing Engine should not hard code any IDs into their application because services and IDs may change over time. To get the ID of a service, the developer should request the services by specifying to know mail properties and then use the ID of the desired service from the results returned.

Domestic Pricing Engine Interface
The following operations are defined for the Domestic Pricing Engine. See “Pricing Engine Design Model.pdf” for details.

PostOfficeServices Class

GetLocations Method

Description
This method is used to get locations by specifying a list of ZIP Codes. The similar method with the forDate input parameter changes the behavior to produce results available as of the date specified.

Syntax
GetLocations(in zipCodes : ZipCode[]) : Location[]
GetLocations(in zipCodes : ZipCodeCollection, in forDate : DateTime) : Location[]

GetMailingRestrictions Method

Description
This method is used to get the mailing restrictions for a specified ZIP Code or collection of ZIP Codes. The similar method with the forDate input parameter changes the behavior to produce results available as of the date specified.

Syntax
GetMailingRestrictions(in zipCodes : ZipCode[]) : MailingRestriction[]
GetMailingRestrictions(in zipcodes : ZipCodeCollection, in forDate : DateTime) : MailingRestriction[]
**GetZone Method**

**Description**
The method is used to get the zone information between origination and destination ZIP codes. The similar method with the forDate input parameter changes the behavior to produce results available as of the date specified.

**Syntax**
GetZone(in originZIPCode : ZipCode, in destinationZIPCode: ZipCode) : Zone

GetZone(in originZIPCode : ZipCode, in destinationZIPCode: ZipCode, in forDate : DateTime) : Zone

**GetZones Method**

**Description**
The method is used to get the zone information for a 3-digit ZIP Code. When the ZIP Code collection contains more than a single 3-digit ZIP Code, zone information is returned to each ZIP Code passed. The similar method with the forDate input parameter changes the behavior to produce results available as of the date specified.

**Syntax**
GetZones(in zipCodes : ZipCode[]) : Zone[]

GetZones(in zipCodes : ZipCodeCollection, in forDate : DateTime) : Zone[]

**PricingServices Class**

**CalculateServicePrice Method**

**Description**
This method is used to calculate the total cost of a selected mail service and any selected extra services.

**Syntax**
CalculateServicePrice(in request : WSCalculationRequest) : CalculatedPricing

**GetExtraServicesWithPricing Method**

**Description**
This method is used to get a specified list of extra service with the price of each.

**Syntax**
GetExtraServicesWithPricing(in extraServicesRequest: WSExtraServicesRequest) : ExtraServicesWithPricing
**GetServiceCommitments Method**

**Description**
This method is used to get the mailing service commitments for the specified request. The caller is required to specify the following:
- Origin ZIP Code
- Destination ZIP Code
- Shipping date/time
- Mail shape and size

**Syntax**
GetServiceCommitments(in servicesRequest : WSServicesRequest) : ServiceCommitment[]

**GetServiceWithPricing Method**

**Description**
This method is used to get a list of mailing services with associated extra services for the specified mail piece attributes.

**Syntax**
GetServiceWithPricing(in request : ServiceRequest) : ServiceWithPricing

**GetPriceBySKU Method**

**Description**
This method is used to get a collection of Prices for a specified SKU. The requested SKU can be a full 15 digit SKU or a partial SKU. The requested SKU can also contain wildcard characters “%”. The result collection will contain all prices that match the requested SKU. Each node in the collection contains the SKU, Price, Postage Statement Section and Postage Statement Line.

**Syntax**
GetPriceBySKU(in priceBySKURequest : SKURequest) : SKUPrice[]

**GetMailingFees Method**

**Description**
The method is used to get the Mailing Fee for a specified key.

**Syntax**
GetMailingFees(in mailingFeeRequest : MailingFeeRequest) : MailingFee

**Validate Method**

**Description**
This method is used to validate the specified mail properties. The method will return origin and destination location objects.
Syntax
Validate(in servicesRequest : WSServicesRequest) : Location[]

WSCalculationRequest Class

Base Class
WSServicesRequest

Properties
Selections : CalculationSelections
IsExtraServiceConversational : bool

CalculatedPricing Class

Base Class
None

Properties
Geography : Geography
Commitments : ServiceCommitment[]
Restrictions : MailingRestriction[]
Service : PostageService
Annotations : Annotation[]
Totals : PostagePrice[]
Effective: DateTime

CalculationSelections Class

Base Class
None

Properties
MailServiceID : MailServiceID
DeliveryOptionKey : string
ExtraServices : ExtraServiceID[]

WSExtraServicesRequest Class

Base Class
None

Properties
IDCard : IDCard
Weight : Weight  
ExcludeSections : ResultSection[]  
MailServiceID : MailServiceID  
ExtraServices: ExtraServiceID[]  
ExtraServiceParameters : AdditionalInputValue[]  
ShippingDateTime : DateTime

ExtraServicesWithPricing Class

Base Class
None

Properties
ExtraServices : ExtraPostageService[]
Annotations : Annotation[]
Effective: DateTime

Geography Class

Base Class
None

Properties
DestinationCity : string  
DestinationState : string  
DestinationIsAPO : bool  
OriginCity : string  
OriginState : string  
OriginIsAPO : bool  
Zone : int  
IsLocal : bool  
CommonNDC : bool

MailingFee Class

Base Class
None

Properties
Cost : decimal  
FeeKey : string  
Price : decimal  
ValueKey : string  
ValueKeyLowerLimit : decimal  
ValueKeyUpperLimit : decimal
Effective: DateTime

---

**WSMailingFeeRequest Class**

Base Class
None

Properties
- IDCard : IDCard
- FeeKeys : MailingFeeRequest.FeeKey[]
- QueryValue : decimal
- ShippingDateTime: DateTime

---

**MailingFeeRequest.FeeKey Class**

Base Class
None

Properties
- Value : string

---

**WSMailPieceAttributes Class**

Base Class
None

Properties
- Origin : LocationAttributes
- Destination : LocationAttributes
- ShippingDateTime : DateTime
- Dimensions : Dimensions
- Weight : Weight
- MailShapeAndSizes : MailShapeAndSize[]
- MailPieceContents : MailPieceContent[]
- MailEntryPoint : DestinationEntry.EntryValue
- Sortation : string

DestinationEntry.EntryValue Enumerator
None
DNDC
DSCF
DDU
DFSS
MailPieceAttributes.LocationAttributes Class

Base Class
None

Properties
ZIP : ZipCode
IsPOBox : bool

MailPieceContent Class

Base Class
None

Properties
Key : string

WSServicesRequest Class

Base Class
None

Properties
IDCard : IDCard
MailPieceAttributes : WSMailPieceAttributes
ExcludeSections : ResultSection[]
ExtraServiceParameters : AdditionalInputValue[]

ServiceWithPricing Class

Base Class
None

Properties
Geography : Geography
Commitments : ServiceCommitment[]
Restrictions : MailingRestriction[]
Services : PostageService[]
Annotations : Annotation[]
Effective : DateTime
**WSSKURequest Class**

**Base Class**
None

**Properties**
-IDCard : IDCard
-SKU : string
-ShippingDateTime : DateTime

---

**SKUPrice Class**

**Base Class**
None

**Properties**
-SKU : string
-Price : decimal
-PostageStatementSection : string
-PostageStatementLine : int
International Pricing Engine Interface
The following operations are defined for the International Pricing Engine. See “Pricing Engine Design Model.pdf” for details.

PostOfficeServices Class

GetCountries Method

Description
This method is used to get the collection of countries.

Syntax
GetCountries() : Country[]

GetCountriesForDate Method

Description
This method is used to get the collection of countries as of the “forDate”.

Syntax
GetCountries(in forDate : DateTime) : Country[]

GetCountryInformation Method

Description
This method is used to get the Country Information for a specific country. This includes the country price group, prices and other guideline.

Syntax
GetCountryInformation(in country : Country, in calculatorID : CalculatorID) : CountryInformation

GetCountryInformationForDate Method

Description
This method is used to get the Country Information for a specific country as of the “forDate”. This includes the country price group, prices and other guideline.

Syntax
GetCountryInformationForDate(in country : Country, in shippingDate : DateTime) : CountryInformation

GetCountryRegulations Method

Description
This method is used to get the collection of Regulations for a specific country.

Syntax
GetCountryRegulations(in country : Country) : CountryRegulation[]
GetCountryRegulationsForDate Method

Description
This method is used to get the collection of Regulations for a specific country as of the “forDate”.

Syntax
GetCountryRegulationsForDate(in country : Country, in forDate : Datetime) : CountryRegulation[]

GetPriceBySKU Method

Description
This method is used to get a collection of Prices for a specified SKU. The requested SKU can be a full 15 digit SKU or a partial SKU. The requested SKU can also contain wildcard characters “%”. The result collection will contain all prices that match the requested SKU. Each node in the collection contains the SKU, Price, Postage Statement Section and Postage Statement Line.

Syntax
GetPriceBySKU(in priceBySKURequest : SKURequest) : SKUPrice[]

ValidateCountry Method

Description
This method is used to discover if a specified country is valid.

Syntax
ValidateCountry(in countryID : CountryID) : void

ValidateCountryForDate Method

Description
This method is used to discover if a specified country is valid as of the “forDate”.

Syntax
ValidateCountryForDate(in countryID : CountryID, in forDate : DateTime) : void

PricingServices Class

CalculateServicePrice Method

Description
This method is used to calculate the total cost of a selected mail service and any selected extra services.

Syntax
CalculateServicePrice(in request : WSCalculationRequest) : CalculatedPricing
**GetExtraServicesWithPricing Method**

**Description**
This method is used to get a specified list of extra service with the price of each.

**Syntax**
GetExtraServicesWithPricing (in extraServicesRequest : WSExtraServicesRequest) : ExtraServicesWithPricing

**GetServicesWithPricing Method**

**Description**
This method is used to get a list of mailing services with associated extra services for the specified mail piece attributes.

**Syntax**
GetServicesWithPricing(in servicesRequest : WSServicesRequest) : ServicesWithPricing

**GetPriceBySKU Method**

**Description**
This method is used to get a collection of Prices for a specified SKU. The requested SKU can be a full 15 digit SKU or a partial SKU. The requested SKU can also contain wildcard characters “%”. The result collection will contain all prices that match the requested SKU. Each node in the collection contains the SKU, Price, Postage Statement Section and Postage Statement Line.

**Syntax**
GetPriceBySKU(in priceBySKURequest : SKURequest) : SKUPriceCollection

**GetMailingFees Method**

**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:**
internationalBusinessReply.Card

or

internationalBusinessReply
Card
**Query Value Example:**

Request:
- QueryValue = 10
- FeeKey = “internationalBusinessReply.Card”

Results:
- Price = 0.13
- Cost = 1.30

**Syntax**

GetMailingFees(in mailingFeeRequest : MailingFeeRequest) : MailingFee

**Validate Method**

**Description**
This method is used to validate the specified mail properties.

**Syntax**
Validate(servicesRequest : WSServicesRequest) : void

---

**CalculatedPricing Class**

**Base Class**
None

**Properties**
- Geography : Geography
- Commitments : ServiceCommitment[]
- Service : PostageService
- Annotations : Annotation[]
- Totals : PostagePrice[]
- Regulations : CountryRegulation
- GXGLocations : GXGLocation[]
- Effective: DateTime

---

**WSCalculationRequest Class**

**Base Class**
ServicesRequest

**Properties**
- Selections : CalculationSelections
- IsExtraServiceConversational: bool
CalculationSelections Class

Base Class
None

Properties
MailServiceID : MailServiceID
DeliveryOptionKey : string
ExtraServices : ExtraServiceID[]

Geography Class

Base Class
None

Properties
ID : CountryID
Name : string
Code : string
Number : string

WSExtraServicesRequest Class

Base Class
None

Properties
IDCard : IDCard
Weight : Weight
ExcludeSections : ResultSection[]
MailServiceID : MailServiceID
ExtraServices : ExtraServiceID[]
ExtraServiceParameters : AdditionalInputValue[]
ShippingDateTime : DateTime

ExtraServicesWithPricing Class

Base Class
None

Properties
ExtraServices : ExtraPostageService[]
Annotations : Annotation[]
Effective : DateTime
WSMailingFeeRequest Class
Base Class
None

Properties
IDCard : IDCard
FeeKeys : MailingFeesRequest.FeeKeyCollection
QueryValue : decimal
ShippingDateTime : DateTime

MailingFee Class

Namespace

Base Class
None

Properties
Cost : decimal
FeeKey : string
Price : decimal
ValueKey : string
ValueKeyLowerLimit : decimal
ValueKeyUpperLimit : decimal
Effective : DateTime

MailingFeeRequest.FeeKey Class

Namespace

Base Class
None

Properties
Value : string

WSMailPieceAttributes Class

Base Class
None

Properties
Origin : LocationAttributes
Destination : LocationAttributes
ShippingDateTime : DateTime
Dimensions : Dimensions
Weight : Weight
MailShapeAndSizes : MailShapeAndSize[]
MailPieceContents : MailPieceContent[]

MailPieceAttributes.LocationAttributes Class

Base Class
None

Properties
CountryID : CountryID
CountryName : string
CountryCode : string
CountryNumber : string
PostalCode : string
IsPOBox : bool

WSServicesRequest Class

Base Class
None

Properties
IDCard : IDCard
MailPieceAttributes : WSMailPieceAttributes
ExcludeSections : ResultSection[]
ExtraServiceParameters : AdditionalInputValue[]

ServicesWithPricing Class

Base Class
None

Properties
Geography : Geography
Commitments : ServiceCommitment[]
Services : PostageService[]
Regulations : CountryRegulation
GXGLocations : GXGLocation[]
Annotations : Annotation[]
Errors : PricingEngineError[]
Effective : DateTime
WSSKURequest Class

Base Class
None

Properties
IDCard: IDCard
SKU : string
ShippingDateTime : DateTime

SKUPrice Class

Base Class
None

Properties
SKU : string
Price : decimal
PostageStatementSection : string
PostageStatementLine : int
Rate Engine Framework

AdditionalInputValue

Base Class
None

Properties
TypeID : string
EnteredValue : decimal

Annotation Class

Base Class
None

Properties
Text : string
Associations : Association[]

Country Class

Base Class
None

Properties
CountryID : CountryID
Name : string
NameParts : string[]
Code : string
CountryNumber : string
TypeOf : short
Status : CountryStatus
IsDisplayed : bool
ShowOnlinePrice : bool
MaxWeight : Weight
IsParent : bool
Aka : CountryAlias[]

Country.Status Enumerator
Unknown
Normal
NoOnlineService
ServiceSuspended
CountryAlias Class

Base Class
None

Properties
Alias : string

CountryID Structure

Base Class
None

Properties
Value : int

CountryInformationItem Class

Base Class
None

Properties
CountryToMailService : CountryToMailService
CountryToExtraServices : CountryToExtraService[]
Price : decimal
OnlinePrice : decimal
CommercialPlusPrice : decimal

CountryRegulation Class

Base Class
None

Properties
Country : Country
Prohibitions : string
Restrictions : string
Observations : string
CustomsForms : string
ExpressMailRegulations : string
ExpressMailNote : string
AdditionalRestrictions : string
CountryToMailService Class

Base Class
None

Properties
ServiceTitle : string
MailServiceID : MailServiceID
IsAvailable : bool
WeightLimit : Weight
WeightLimitOperator : Weight.WeightOperator
weightMin : Weight
WeightMinOperator : Weight.WeightOperator
InsuranceMax : decimal
PriceGroups : PriceGroup[]
EstimatedDeliveryTime : string
DimensionalRange : DimensionalRange

CountryToExtraService Class

Base Class
None

Properties
ServiceTitle : string
ExtraServiceID : ExtraServiceID
IsAvailable : bool
Price : decimal
OnlinePrice : decimal

Dimensions Class

Base Class
None

Properties
Length : Dimension
Width : Dimension
Height : Dimension
Girth : Dimension
IsRectangular : bool
RoundDownToQuarterInch : bool
**DimensionalRange Class**

**Base Class**
None

**Properties**
MaxLength : Dimension
MaxWidth : Dimension
MaxHeight : Dimension
MaxLengthPlusGirth : Dimension
MaxLWH : Dimension
MinLength : Dimension
MinWidth : Dimension
MinHeight : Dimension
MinThickness : Dimension
Text : string
AdditionalSizes : DimensionalRange[]

---

**ExtraPostageService Class**

**Base Class**
None

**Properties**
ID : ExtraServiceID
Name : string
GroupCode : string
Prices : PostagePrice[]
AdditionalFields : AdditionalInput[]
Attributes : PostageAttribute[]

---

**ExtraPostageService.AdditionalInput Class**

**Base Class**
None

**Properties**
Key : string
Min : decimal
Max : decimal

---

**ExtraServiceID Structure**

**Base Class**
None
Properties
Value : int

GXGLocation Class

Base Class
None

Properties
LocationName : string
Street : string
City : string
State : string
ZipCode ZipCode :
WeekdayCutOff : string
SaturdayCutOff : string

IDCard Class

Base Class
None

Properties
CallerID : string
SourceID : string
CustomerType : string

Location Class

Base Class
None

Properties
ZipCode : ZipCode
City : string
State : string
FinanceCode : string
IsApo : bool
ClassificationCode : string
IsValid : bool
IsMailable : bool
IsHoldForPickupAvailable : bool
IsSundayHolidayAvailable : bool
NonDeliveryDays : DayOfWeek[]
PremiumDays : DayOfWeek[]
LocationType : TypeOfLocation
IsPOBox : bool

TypeOfLocation Enumerator
Origination
Destination
Neither

MailingRestriction Class

Base Class
None

Properties
ZipCode : ZipCode
Restrictions : Restriction[]

MailingRestriction.Restriction Class

Base Class
None

Properties
Code : string
Description : string

MailServiceID Structure

Base Class
None

Properties
Value : short

MailShapeAndSizeEnum Enumerator
Unknown
Letter
LetterLarge
Package
Postcard
FlatRateBox
FlatRate
ExpressMailServices
PriorityMailServices
FirstClassMailServices
PostalServices
FlatRateEnvelope

---

**PostageAttribute**

**Base Class**
None

**Properties**
Key : string
Value : string

---

**PriceDetail Class**

**Base Class**
None

**Properties**
Key : string
Value : string

---

**PriceGroup Class**

**Base Class**
None

**Properties**
Key : string
Value : string

---

**PostagePrice Class**

**Base Class**
None

**Properties**
Amount : decimal
Type : string
Details : PriceDetail[]

PostageService Class

Base Class
None

Properties
ID : MailServiceID
Name : string
DeliveryOptions : DeliveryOption[]
GroupCode : string
MaxWeight : Weight
MinWeight : Weight
DimensionalRange : DimensionalRange
ExtraServices : ExtraPostageService[]
Attributes : PostageAttribute[]

PostageService.DeliveryOption Class

Base Class
None

Properties
Key : string
Commitment : string
Name : string
Prices : PostagePrice[]

ResultSection Class

Base Class
None

Properties
Key : ResultSection.SectionType

ResultSection.SectionType Enumerator
Unknown
CountryRegulations
DimensionalRange
ExtraServices
Geography
GXGLocations
PriceDetails
Restrictions
ServiceCommitments
Weight Class

Base Class
None

Properties
Ounces : decimal
Pounds : decimal
Units : WeightUnit

Weight.WeightUnit Enumerator
Unknown
Ounces
Pounds

ZipCode Structure

Base Class
None

Properties
Value : string

Zone Class

Base Class
None

Properties
OriginZipCode : ZipCode
DestinationZipCode : ZipCode
ZoneCount : int
IsIntraBMC : bool
IsLocal : bool
Has5DigitZones : bool
Zone5DigitZones : Zone5Digit[]
Zone. Zone5Digit Class

Base Class
None

Properties
OrigZIPFirst : ZipCode
OrigZIPLast : ZipCode
DestZIPFirst : ZipCode
DestZIPLast : ZipCode
ZoneCount : int
Service Delivery Extensions

DOMESTIC_NAMESPACE

OnlineServiceCommitment Class

Base Class
ServiceCommitment

Properties
- EstimatedDeliveryTime : string
- DeliveryDateTime : DateTime
- IsHoliday : bool
- CommitmentName : string
- CommitmentTime : string
- CommitmentSequence : string
- locations : ServiceCommitment.PostalLocation[]
- holdForPickupLocations : ServiceCommitment.PostalLocation[]

ServiceCommitment Class

Base Class
None

Properties
- ServiceCommitmentType : Type
- Product : string
- ErrorNumber : int
- ErrorMessage : string
- ServiceCommitmentGuarantee : Guarantee
- UsedByMailService : MailServiceID[]

ServiceCommitment.Guarantee Enumerator
- Unknown
- NoGuarantee
- MoneyBackGuarantee
- LossOnlyGuarantee

ServiceCommitment.Type Enumerator
- Unknown = 0
- ExpressMail
- PriorityMail
- FirstClassMail
- StandardMail
- Periodicals
PackageServices

ServiceCommitment.PostalLocation Class

Base Class
None

Properties
CutOff : string
Facility : string
FacilityID : string
Street : string
City : string
State : string
ZipCode : string
ZipCode4 : string
ScheduledDeliveryDate : DateTime
closeTimes : string[]

INTERNATIONAL_NAMESPACE

ExpressMailGuaranteed Class

Base Class
ServiceCommitment

Properties
None

ServiceCommitment Class

Base Class
None

Properties
Type : ServiceCommitmentType
ErrorNumber : int
ErrorMessage : string
DeliveryDate : string
City : string
StateOrProvince : string
ShippingDate : DateTime
ShippingTime : string
UsedByMailService : MailServiceID[]
Appendix

Customer Type Codes
See “Client IDs and Customer Types.pdf” for complete details.
## Group Code Description

### Mail Service Group Codes

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**Extra Service Group Codes**

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### Attribute Keys

#### Domestic

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<td>The Mail Entry type</td>
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<td>Sort</td>
<td>The Sortation</td>
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<td>DimensionalWeightR</td>
<td>The Dimensional Weight. Returned when the Dimensional Weight is used in the calculation of the Retail Price.</td>
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<tr>
<td>DimensionalWeightCB</td>
<td>The Dimensional Weight. Returned when the Dimensional Weight is used in the calculation of the Commercial Base Price.</td>
</tr>
<tr>
<td>DimensionalWeightCP</td>
<td>The Dimensional Weight. Returned when the Dimensional Weight is used in the calculation of the Commercial Plus Price.</td>
</tr>
<tr>
<td>DimensionalWeightNA</td>
<td>The Dimensional Weight. Returned when the Dimensional Weight is used in the calculation of the Price and the Price Type is Not Applicable.</td>
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#### International

<table>
<thead>
<tr>
<th>Key</th>
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<tbody>
<tr>
<td>IncludedIndemnity</td>
<td>The included Insurance Indemnity for the mail service / weight.</td>
</tr>
<tr>
<td>DeclaredValueSDR</td>
<td>The value with the Special Drawing Right applied to the declare value.</td>
</tr>
<tr>
<td>IncInceNonnegotiableDoc</td>
<td>The Included Insurance amount when the mail piece contains only Nonnegotiable Document(s).</td>
</tr>
<tr>
<td>IncInceMerchandise</td>
<td>The Included Insurance amount when the mail piece contains Merchandise.</td>
</tr>
<tr>
<td>ECOMPRO</td>
<td>Set to True or False to indicate that Priority Mail International mail service is or is not ECOMPRO.</td>
</tr>
<tr>
<td>lp_type</td>
<td>Indicator if the block information is for a Logistics Partner or Post. See the Web Service UPUXIT SDC Spec</td>
</tr>
<tr>
<td>lp_code</td>
<td>The Logistics Partner code that will support international transportation.</td>
</tr>
<tr>
<td>lp_barcodetype</td>
<td>The barcode(s) that a Logistics Partner will support for international transportation. A commas delimited list of Barcodes. I.e. S10, W12</td>
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**Content Keys**

**Domestic**

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<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>
<tr>
<td>NonnegotiableDocument</td>
<td>The mail piece contains only Nonnegotiable Document(s).</td>
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<tr>
<td>nonprofit</td>
<td>The mail piece is being mailed from a nonprofit.</td>
</tr>
<tr>
<td>MedicalSupplies</td>
<td>The mail piece contains medical supplies</td>
</tr>
<tr>
<td>Pharmaceuticals</td>
<td>The mail piece contains pharmaceutical supplies</td>
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</table>

*Note: Content Keys are subject to change.*

**International**

<table>
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<tr>
<th>Key</th>
<th>Description</th>
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<tr>
<td>Nonmachinable</td>
<td>The mail piece is Not Machinable.</td>
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<tr>
<td>CrematedRemains</td>
<td>The mail piece contents Cremated Remains</td>
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<tr>
<td>NonnegotiableDocument</td>
<td>The mail piece contains only Nonnegotiable Document(s).</td>
</tr>
<tr>
<td>MedicalSupplies</td>
<td>The mail piece contains medical supplies</td>
</tr>
<tr>
<td>Pharmaceuticals</td>
<td>The mail piece contains pharmaceutical supplies</td>
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<tr>
<td>Rolls</td>
<td>The mail piece is a Roll.</td>
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*Note: Content Keys are subject to change.*

**Price Detail Keys**

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<td>10:30 AM Delivery Fee</td>
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<td>NM</td>
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<tr>
<td>X</td>
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<td>Fragile Fee</td>
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**International**

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**Price Group Keys**

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*The Price Group Keys matches the SKU definition for Price Types.*

**Sortation Keys**

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<td>Flat Tub Tray Box</td>
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<td>Any mixed mailing</td>
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*Note: Sortation Keys will be extended as new sortation’s are supported*