RSKU Restful WebService User Stories

1). Design the RSKU request attributes & perform the user input validations.

2). Validate the SKUs are belonging to C4 System or Not.

3). Request to C4 DB system to pull the Cost individual cost elements of Valid SKU's.

4). Accumulate/ Roll-up the cost to a single R-SKU individual cost element.

5). Prepare the Cost files to upload the batch process for the importer job to process & stores into C4 DB system & receives Notification mail.

6). Apply the T\_COS formula for All Base SKU's & RSKU which calls the Total Cost of the SKU.

7). Validate the Mask Elements Required/Not-Required for PL level and apply the Cost status (COMPLETE, IN-COMPLETE, WARNING, NOT\_FOUND) in final Response.

**Notes:-**

a). Only One request & one Response (No two services).

b). Only considering Base SKU's , localization is ignored.

c). MCC cost calculation is Not applicable, Only Base SKU cost considered.

d). By default, RSKU service considered USD currency for output cost as final response. Not considered other currencies.

e). RSKU has only one will get from Request object , which contains (PL,Sku Name & desc etc) Rsku is part of Phweb system or not?

f). Insert/Store the RSKU cost elements information into DB has a Worldwide & Quarterly cost irrespective user inputs.

**JSON Standard Request**

{

"costDate": "string",

"countryCode": "string",

"deliveryMethod": "string",

"listOfProducts": [

{

"prodIdBase": "string"

}

],

"mot": "string",

"outputCurrency": "string",

"rapidSku": {

"pl": "string",

"product": {

"rSkuDec": "string",

"rSkuProd": "string"

}

}

}

**JSON Request with values**

{

"costDate": "2021/09/20",

"countryCode": "583",

"deliveryMethod": "DDP",

"listOfProducts": [

{

"prodIdBase": "G3Q75A"

},

{

"prodIdBase": "CN017AA"

},

{

"prodIdBase": "TK648AT"

},

{

"prodIdBase": "RSku1"

}

],

"mot": "Air",

"outputCurrency": "USD",

"rapidSku": {

"pl": "2Q",

"product": {

" rSkuProd ": "R1",

" rSkuDec ": "Test Rsku"

}

}

}

**Response**

{

"costDate": "01-Aug-21",

"countryCode": "583",

"countryDesc": "Taiwan",

"deliveryMethod": "DDP",

"mot": "Air",

"outputCurrency": "USD",

"baseSkuCostDetails": [

{

"prodIdBase": "G3Q75A",

"prodIdOpt": "",

"skuCostElements": {

"MALAD": 1,

"MATRL": 146.55,

"VWRTY": 3.71,

"OVBLC": 0,

"VRLTY": 0,

"OFXDC": 11.2,

"VTRDX": 13.67

},

"costStatus": "COMPLETE",

"tCos": 176.5955,

"maskElements": {

"pl": "2Q",

"platform": "FBL4"

}

},

{

"prodIdBase": "CN017AA",

"prodIdOpt": "",

"skuCostElements": {

"MATRL": 3.58,

"VWRTY": 0.06,

"OVBLC": 0.35,

"VRLTY": 0,

"OFXDC": 0.73,

"VTRDX": 0.11

},

"costStatus": "COMPLETE",

"tCos": 4.83,

"maskElements": {

"pl": "1N",

"platform": "F4VX"

}

}

],

"rapidSkuCostDetails": {

"prodIdBase": "R1",

"prodIdOpt": "",

"skuCostElements": {

"MALAD": 1,

"OVBLC": 0.35,

"OFXDC": 11.93,

"VTRDX": 13.78,

"MATRL": 150.13,

"VRLTY": 0,

"VWRTY": 3.77

},

"costStatus": "COMPLETE",

"tCos": 181.4613,

"maskElements": {

"pl": "2Q",

"platform": null

}

},

"accessDeniedProducts": {

"[TK648AT||null|null]": "product belongs to PL 6N",

"[RSku1||null|null]": "product not loaded in hierarchy"

}

}