Enterprise Application Integration

Component Interface Specification

OVM

AccountValidation

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Table of Content

1 Document Control 1

1.1 Template Change Record 1

1.2 Change Record 2

2 Functionality 3

3 Related Documents 5

3.1 Link to EAI Design Specification document 5

3.2 Link to Web Service document 5

3.3 Link to XSDs / WSDLs 5

3.4 Link to EAI User Guides and Helps 5

4 Component Request/Reply/Structures 6

4.1 Request Message 6

4.1.1 accountValidationRequest 6

4.1.1.1 requested-devices 7

4.1.1.2 upgrade-device 7

4.2 Response Message 8

4.2.1 accountValidationResponse 8

4.2.1.1 account-info 8

4.2.1.1.1 subscriber 9

4.2.1.1.1.1 bundle-info 11

**4.2.1.1.1.1.1** bundle-group 11

4.2.1.1.1.2 Service-discount 12

4.2.1.1.1.3 upgrade 12

**4.2.1.1.1.3.1** **eligible-tier** 13

**4.2.1.1.1.3.2** **current-eligibility-desc** 13

**4.2.1.1.1.3.3** **subscriber-device-pricing** 13

4.2.1.1.1.4 option 14

**4.2.1.1.1.4.1** **Lts-monthly-price** 15

**4.2.1.1.1.4.2** **Product-definition** 16

**4.2.1.1.1.4.3** **Affinity** 16

4.2.1.1.1.4.3.1 affinity-attribute 16

4.2.1.1.1.5 feature 17

**4.2.1.1.1.5.1** **product-definition** 17

4.2.1.1.1.6 data-allowances 17

4.2.1.1.1.7 rebateBogxInfo 18

**4.2.1.1.1.7.1** **rebateBogxPlanInfoList** 18

**4.2.1.1.1.7.1.1** **rebateBogxPlanInfo** 18

**4.2.1.1.1.7.1.1.1** **equipmentGroupInfoList** 19

**4.2.1.1.1.7.1.1.2** **equipmentGroupInfo** 19

**4.2.1.1.1.7.1.1.3** **itemInfoList** 20

**4.2.1.1.1.7.1.1.4** **itemInfo** 20

4.2.1.2 billing-name 21

4.3 XML/HTTP 22

4.3.1 HTTP Configuration Settings 22

4.3.2 Security 22

4.3.2.1 Encryption 22

4.3.2.2 Authentication 22

4.3.3 Schema & WSDL 22

4.3.4 EAI Web Service User Guide 23

4.3.5 Web Service Header XSD 23

4.3.6 Error Conditions 23

4.3.6.1 API Specific Error Conditions 24

# Document Control

## Template Change Record

| Date | Author | Revision | Change Reference |
| --- | --- | --- | --- |
| 5/20/2010 | Yvonne Winsor |  | Template change, removed sprint logo and cleaned document |
| 6/23/2010 | David Fultz | 1.1 | * Changed file name convention for consistency with the design document file name * Added links for User Guides, etc. * Set all text to ‘Times Roman’ * Created different change control tables for template updates vs. what should be used for the interface document itself. * Changed references to the Web Service Design Standards document to the Web Service User Guide document. |
| 07/26/2010 | David Fultz | 1.2 | * Added a standard fault code and exception table to coincide with the design template when specific error conditions are called out in the design. |
| 08/27/2010 | David Fultz | 1.3 | * Added a Security section for 76S consumers to address encryption and authentication if the interface requires either or both. |
| 09/09/2010 | David Fultz | 1.4 | * Removed references to EAIMqMessageHeader.xsd & MQMessageHeaderV1.xsd * Placed the references to WMQ CCSID in RED as a place holder for when the direction is set; it can be removed until then * Removed references to the ISO-8859-1 character set from the HTTP section |
| 09/15/2010 | David Fultz | 1.5 | * Further clarifications to the Security section including the crosscheck validation between the security token and the consumerId/applicationId * Added 2 more conditions for receiving a Client.707, security validation error. |
| 09/17/2010 | David Fultz | 1.6 | * Further clarifications to the Security section |
| 11/19/2010 | David Fultz | 1.7 | * Added CCSID & Encoding information * Added the application id prefix to the queue name per the latest standards |

## 

## Change Record

| Date | Author | Revision | Change Reference |
| --- | --- | --- | --- |
| 06/18/10 | Subha Kannan | 1.0 | GBL10.5 Release |
| 7/9/2010 | Neelima Parasker | 1.1 | GBL10.5 PJ001298 BOGO/BOGX Updates |
| 7/26/2010 | Neelima Parasker | 1.2 | Updates to AcctValidation to include BOGX eligibility Check. |
| 12/8/2010 | Neelima Parasker | 1.3 | Added ‘equipmentGroupInfoList’ to rebatebogxPlanInfo Structure. |
| 01/24/2011 | Saritha Guduputi | 1.4 | Added additional BOGX related changes to rebatebogxPlanInfo structure to support PJ004444 project |
| 06/15/2011 | Craig Opitz | 1.5 | PJ006032 Updates |
| 08/30.2011 | Saritha Guduputi | 1.6 | PJ006382 updates added four optional Boolean flag and current device serial type and serial number |
| 9/13/2011 | Neelima Parasker | 1.7 | Updated the document to include all structures and fields from xsd that may be missing from the document. |
| 01/10/2012 | Saritha Guduputi | 1.8 | IM514777 - Updated interface spec to clarify this API would not return reserved subs |
| 01/28/2012 | Saritha Guduputi | 1.9 | PJ006784 updates – added ICCID as choice element for subscriber look up in the request |
| 09/24/2012 | Ace Cineus | 2.0 | GBL 12.3- PJ007217 CR 12: added advancePaymentInd optional field on the response. |
| 05/02/2013 | Priscilla Carvalho | 2.1 | MID13.2.2 PJ007505: Added subscriber-id under Subscriber structure in response. |

# Functionality

This component supports retrieving existing account and subscriber information to be used as a customer lookup tool for external partners such as National Retailers, Online Authorized Retailers, and Business Solution Providers.

* Returns account information
  + Account number
  + Number of subscribers on the account
  + Billing name
  + Billing address
* Returns subscriber information for 1 or more subscribers under a given account
  + Price Plan
  + Attachable Options
  + Current device
  + Initial activation date
  + Contract information
* Performs device upgrade eligibility check for each subscriber returned in the response
* Performs business rule validations
  + Checks if the account being searched can be handled by the partner making the API calls
  + Checks if customer is in good standing before returning a successful result

Refer to field descriptions in following section to understand how each field in request/response can be used.

This API will return data for active accounts/subscribers only. The application using this information needs to determine if it is appropriate to display the account information if the customer has not been properly authenticated.

This interface will provide functionality to perform Account Validation.

# Related Documents

## Link to EAI Design Specification document

|  |  |
| --- | --- |
| Draft | [Design Draft Folder](https://doc-share.corp.sprint.com/livelink/llisapi.dll?func=ll&objId=54794511&objAction=browse&viewType=1) |
| Prod | [Link to Production Folder](https://doc-share.corp.sprint.com/livelink/llisapi.dll?func=ll&objId=7169143&objAction=browse&sort=name) |

## Link to Web Service document

|  |  |
| --- | --- |
| Draft | <https://doc-share.corp.sprint.com/livelink/llisapi.dll?func=ll&objId=49619827&objAction=browse&viewType=1> |
| Prod | [Link to Production Folder](https://doc-share.corp.sprint.com/livelink/llisapi.dll?func=ll&objId=39172438&objAction=browse&viewType=1) |

## Link to XSDs / WSDLs

|  |  |
| --- | --- |
| Draft | [Schema Draft folder](https://doc-share.corp.sprint.com/livelink/llisapi.dll?func=ll&objId=54795320&objAction=browse&viewType=1) |
| Prod | [Link to Production Folder](https://doc-share.corp.sprint.com/livelink/llisapi.dll?func=ll&objId=7169143&objAction=browse&sort=name) |

## Link to EAI User Guides and Helps

|  |  |
| --- | --- |
| Final | [Link to Folder](https://doc-share.corp.sprint.com/livelink/llisapi.dll?func=ll&objid=46418218&objaction=open); documents, folders and shortcuts include:   * EAI Web Service User Guide * API URLs spreadsheet * Production interface folder * Production schema folder * XML MQ Header Standards * Web service and WebSphere MQ coding examples |

# Component Request/Reply/Structures

|  |  |
| --- | --- |
| **Format / Transport** | XML / HTTP |
| **Encoding** | UTF-8 |

## Request Message

### accountValidationRequest

| **XML Tag Name / Field Name** | **Description / Notes** | **Length** | **Type** | **Values** | **Req/Opt/Choice** |
| --- | --- | --- | --- | --- | --- |
| last-name | Customer’s billing last name on account, used for partial authentication to retrieve upgrade eligibility | Min :2  Max:50 | String |  | Optional |
| account-number | The billing account number (BAN) | 10 | Number |  | Choice |
| reference-ptn | Sprint cell phone number of the customer. | 10 | Number |  | Choice |
| Sim | Customer’s SIM number from their iDEN device | Min :1  Max:20 | String |  | Choice |
| Meid | Customer’s ESN number from their CDMA device | 18 | String |  | Choice |
| mac-id | Customer’s MAC Id number their single mode 4G device | Min:1  Max:12 | String |  | Choice |
| icc-id | Customer Integrated Circuit Card ID of the LTE device | 20 | String |  | Choice |
| requested-devices | For customers requesting the available pricing for select phone models |  | Structure |  | Optional |
| single-subscriber | Used in conjunction with reference-ptn, sim, meid, or mac-id to return only that subscriber’s information | N/A | Boolean | true/false | Optional |
| sec-pin | Customer’s security PIN, used for full authentication | Min:6  Max:10 | String |  | Optional |
| sec-answer | Customer’s security answer to their previously chosen security question, used for full authentication | Min :2  Min:30 | String |  | Optional |
| billing-zip | Customer’s billing zip code on account, used for partial authentication to retrieve upgrade eligibility | Min:5  Max:9 | String |  | Optional |
| returnBogxInd | Indicates whether to return BOGO device pricing information | N/A | Boolean | ‘True’, ‘False’ | Optional |
| upgrade-device | Defines the device that a subscriber will perform a swap to. Will be used to identify if price plan is compatible with new device. |  | Structure |  | Optional |

Table 1 – Fields in accountValidationRequest

#### requested-devices

| **XML Tag Name / Field Name** | **Description / Notes** | **Length** | **Type** | **Values** | **Req/Opt/Choice** |
| --- | --- | --- | --- | --- | --- |
| model-id | Ensemble Item Id | Min:1  Max:30 | String |  | Optional. up to 5 model ids can be passed. |

Table 2 – Fields in requested-devices

#### upgrade-device

| **XML Tag Name / Field Name** | **Description / Notes** | **Length** | **Type** | **Values** | **Req/Opt/Choice** |
| --- | --- | --- | --- | --- | --- |
| Hsn | New iDEN device serial number | Min: 8  Max: 10 | String |  | Choice |
| Meid | New CDMA device serial number | Min:10  Max:18 | String |  | Choice |
| mac-id | New Single Mode 4G/Airave device serial number | Min:1  Max:12 | String |  | Choice |
| model-id | New device model SKU | Min:1  Max:30 | String |  | Choice |

## Response Message

### accountValidationResponse

| **XML Tag Name / Field Name** | **Description / Notes** | **Length** | **Type** | **Values** | **Req/Opt/Choice** |
| --- | --- | --- | --- | --- | --- |
| account-status | Current status of the customer’s account |  | String | ACTIVE, TENTATIVE, CLOSED, CANCELLED SUSPENDED | Required |
| account-status-date | Date that the account status last changed |  | DateTime |  | Optional |
| account-number | The billing account number (BAN) | Min :1  Max:10 | Number |  | Optional |
| number-handsets-approved | Indicates how many additional subscribers can be added to the associated account |  | Integer |  | Optional9 |
| account-info |  |  | Structure |  | Optional |
| billing-name |  |  | Structure |  | Optional |
| billing-address |  |  | Structure |  | Optional |
| account-balance | Current available funds on pre-paid “pay as you go” account |  | Decimal |  | Optional |
| payment-due-date | Next payment due date for pre-paid “monthly unlimited” account |  | Date |  | Optional |
| balance-expiration-date | Date that funds for pre-paid “pay as you go” expire |  | Date |  | Optional |
| advancePaymentInd | Indicates if advance payment is set up on the account.  Applicable only when vender-code is equal to ‘BO’ | 5 | Boolean | True or False | Optional |

Table 3 – Fields in accountValidationResponse

#### account-info

| **XML Tag Name / Field Name** | **Description / Notes** | **Length** | **Type** | **Values** | **Req/Opt/Choice** |
| --- | --- | --- | --- | --- | --- |
| current-subscribers | Number of subscribers on customer’s account including reserved, active and suspended subscribers |  | unsignedInt |  | Required |
| subscriber | All Active and suspended subscribers on the account |  | Structure |  | Optional |

Table 4 – Fields in account-info

##### subscriber

| **XML Tag Name / Field Name** | **Description / Notes** | **Length** | **Type** | **Values** | **Req/Opt/Choice** |
| --- | --- | --- | --- | --- | --- |
| id | Each subscriber returned will have a unique id in sequential format  This is just an identifier to show how many subscribers are under the BAN. If we have one subscriber under the ban, the id will be 1, if it is more than 1 then we will have 1, 2, 3…etc |  | Attribute.  Nonnegativeinteger |  | Required |
| price-plan-code | Subscriber’s price plan code | 50 | String |  | Required |
| price-plan-name | Subscriber’s price plan name | 50 | String |  | Required |
| price-plan-price | Subscriber’s price plan monthly recurring charge |  | Decimal |  | Required |
| plan-type | Identifies whether subscriber’s price plan is a family plan (fam) or an individual plan (ind) |  | String | Fam, Ind | Optional |
| legacy-family-plan | Indicates whether subscriber’s current price plan is a legacy family plan |  | Boolean |  | Optional |
| has-future-plan | Indicates whether subscriber’s currently has a future dated price plan change pending |  | Boolean |  | Optional |
| bundle-info |  |  | Structure |  | Optional |
| lts-rank | For certain family plans, the subscriber’s rank indicates the MRC price point |  | unsignedInt |  | Optional |
| family-group | Distinguishes unique family share groups within an account |  | unsignedInt |  | Optional |
| serial-type | Subscriber’s current device serial type. Valid values E = CDMA Handset  D = Handset Kit for Dual Mode  K = IDEN Handset Kit (model #)  S = Stand-Alone SIM  M = Stand-Alone Handset (only for handsets which need SIM but dont have as part of this SKU)  I = IMEI Handset (no need for SIM)  N = Serialized Accessory (other than SIMs) | 1 | String |  | Optional |
| serial-number | Subscriber’s current device serial number | Min: 8  Max: 18 | String |  | optional |
| phone-model-id | Subscriber’s current device SKU | 50 | String |  | Required |
| phone-name | Subscriber’s current device name | 50 | String |  | Required |
| ptn | Subscriber’s phone number | 10 | String |  | Optional |
| ptn-status | Indicates subscriber’s current status |  | String | ACTIVE CANCELLED RESERVED SUSPENDED UNKNOWN | Required |
| ptn-port-out-ind | Indicates whether subscriber’s has pending port out flag on the subscription |  | Boolean |  | Optional |
| ptn-status-date | Indicates last change in subscriber’s status |  | DateTime |  | Optional |
| init-activation-date | Initial activation date of associated subscriber |  | Date |  | Optional |
| etf-notes | Optionally provided information regarding subscriber’s early termination fee | 255 | String |  | Optional |
| subscriber-email-address | Subscriber’s email address | 50 | String |  | Optional |
| mult-vbs-soc-ind | Y indicates the subscriber is eligible for multiple services in service-discount structure, N indicates the subscriber is eligible for one service in service-discount structure |  | String | Y N | Optional |
| service-discount | List of 0 to many service-discount structures |  | Structure |  | Optional |
| contract-start-date | Subscriber’s applicable contract starting date |  | Date |  | Optional |
| contract-end-date | Subscriber’s applicable contract ending date |  | Date |  | Optional |
| handset-activation-date | Subscriber’s currently active device activation date |  | Date |  | Optional |
| upgrade | Structure of upgrade |  | Structure |  | Optional |
| plan-change-req | If a device is provided in the upgrade-device structure in the request this will indicate whether a price plan change is required or not to swap to that device |  | Boolean |  | Optional |
| existing-committed-order | Indicates that associated subscriber has another active transaction (Y) that must be completed before performing another transaction. |  | String | Y N | Optional |
| option | List of 0 to many Option structures |  | Structure |  | Optional |
| data-allowances | Returned for subscribers that have data-only sharing plans |  | Structure |  | Optional |
| eligible-check-error | Indicator if system was able to check back end rebate eligibility information. True means back is not available and eligibility is not checked with system of record |  | Boolean |  | Optional |
| rebateBogxInfo |  |  | Structure |  | Optional |
| subscriber-id | this is the actual subscriber id. | 20 | String |  | Optional |

Table 5 – Fields in subscriber

###### bundle-info

| XML Tag Name / Field Name | Description / Notes | Length | Type | Values | Req/Opt/Choice |
| --- | --- | --- | --- | --- | --- |
| bundle-type | Indicates the type of bundle the associated price plan is: primary or secondary | 1 | String | P, S | Required |
| bundle-group |  |  | Structure |  | Optional |

bundle-group

| XML Tag Name / Field Name | Description / Notes | Length | Type | Values | Req/Opt/Choice |
| --- | --- | --- | --- | --- | --- |
| group-number | Indicates which group or groups the bundle price plan is associated to |  | unsignedInt |  | Required |

###### Service-discount

| **XML Tag Name / Field Name** | **Description / Notes** | **Length** | **Type** | **Values** | **Req/Opt/Choice** |
| --- | --- | --- | --- | --- | --- |
| discount-plan-id | Discounted price plan code that associated subscriber is eligible for | 50 | String |  | Choice |
| discount-plan-name | Name of discounted price plan that associated subscriber is eligible for | 50 | String |  | Choice |
| discount-monthly-price | Monthly recurring charge of discounted price plan that associated subscriber is eligible for | 2 | Decimal |  | Choice |
| discount-option-id | Discounted feature code that associated subscriber is eligible for | 50 | String |  | Choice |
| discount-option-name | Name of discounted feature that associated subscriber is eligible for | 50 | String |  | Choice |
| discount-option-price | Monthly recurring charge of discounted feature that associated subscriber is eligible for | 2 | Decimal |  | Choice |

Table 6 – Fields in service-discount

###### upgrade

| **XML Tag Name / Field Name** | **Description / Notes** | **Length** | **Type** | **Values** | **Req/Opt/Choice** |
| --- | --- | --- | --- | --- | --- |
| eligible | Indicates if a subscriber is eligible for a subsidized price device upgrade or not |  | Boolean |  | Required |
| eligible-date | If subscriber is ineligible, the date when they will become eligible, if eligible date in the past if they are fully eligible or date in the future when they will become fully eligible |  | Date |  | Optional |
| eligibility-code | Provided if subscriber is eligible via the ARM program, unique value that describes eligibility | 15 | String |  | Optional |
| current-tier | Identifies currently eligible subscribers tier level. Currently the value of 1 represents partial eligibility and the value of 2 represents full eligibility |  | Integer |  | Optional |
| eligible-tier | List of 0 to many eligible-tier structures |  | Structure |  | Optional |
| current-eligibility-desc | List of 0 to many current-eligibility-desc structures |  | Structure |  | Optional |
| subscriber-device-pricing | List of 0 to many subscriber-device-pricing structures |  | Structure |  | Optional |

Table 7 – Fields in upgrade

**eligible-tier**

| **XML Tag Name / Field Name** | **Description / Notes** | **Length** | **Type** | **Values** | **Req/Opt/Choice** |
| --- | --- | --- | --- | --- | --- |
| date | Date that subscriber becomes eligible for associated tier |  | Date |  | Optional |
| tier-level | Identifies subscriber tier level for commissioning purposes |  | Integer |  | Optional |

Table 8 – Fields in eligible-tier

**current-eligibility-desc**

| **XML Tag Name / Field Name** | **Description / Notes** | **Length** | **Type** | **Values** | **Req/Opt/Choice** |
| --- | --- | --- | --- | --- | --- |
| eligibility-desc | Describes current eligibility if eligible = true | 60 | String |  | Required |

Table 9 – Fields in current-eligibility-desc

**subscriber-device-pricing**

| **XML Tag Name / Field Name** | **Description / Notes** | **Length** | **Type** | **Values** | **Req/Opt/Choice** |
| --- | --- | --- | --- | --- | --- |
| model-id | Sprint device SKU | 30 | String |  | Required |
| model-price | Device price |  | Decimal |  | Required |
| contract-term | Contract commitment required for associated model price |  | unsignedByte |  | Optional |

Table 10 – Fields in subscriber-device-pricing

###### option

| **XML Tag Name / Field Name** | **Description / Notes** | **Length** | **Type** | **Values** | **Req/Opt/Choice** |
| --- | --- | --- | --- | --- | --- |
| Option-id |  | 10 | String |  | Optional |
| option-name | Name of the attachable option currently associated to the subscriber | 50 | String |  | Optional |
| option-code | Code of the attachable option | 9 | String |  | Optional |
| Option-desc |  |  | String |  | Optional |
| Option-detail |  | 2000 | String |  | Optional |
| Option-learn-more |  | 2000 | String |  | Optional |
| Product-disclosure |  |  | String |  | Optional |
| Ivr-soc-desc |  | 2000 | String |  | Optional |
| Service-management-ind |  | 5 | Boolean |  | Optional |
| Ban-level-option |  | 5 | Boolean |  | Optional |
| Cell-ind |  | 5 | Boolean |  | Optional |
| dc-ind |  | 5 | Boolean |  | Optional |
| Pds-ind |  | 1 | String |  | Optional |
| Cdma-pds-ind |  | 1 | String |  | Optional |
| Option-price |  |  | String |  | Required |
| Lts-monthly-price | List of 1 to many Lts-monthly-price |  | Structure |  | Required |
| One-time-charge |  | 2 | String |  | Optional |
| Max-lts-subscribers |  |  | Integer |  | Optional |
| Option-priority |  |  | Interger |  | Optional |
| Sequence-number |  |  | Integer |  | Optional |
| Mutual-exclusive | Yes No Type |  | String |  | Optional |
| Contract-term |  |  | String |  | Optional |
| Allowed-number-ranges |  | 100 | String |  | Optional |
| Number-range-size |  | 10000 | String |  | Optional |
| Product-definition | List of 0 to many product-definition | N/A | Structure |  | Optional |
| Corp-gov-req | Yes No Type |  | String |  | Optional |
| Optional-equivalent | Yes No Type |  | String |  | Optional |
| Source-option |  | 20 | String |  | Optional |
| Affinity-soc-link |  |  | String |  | Optional |
| Affinity | Structure of Affinity | N/A | Structure |  | Optional |
| bundle-info |  |  | Structure |  | Optional |
| Req-primary-bundle |  | 10 | String |  | Optional |
| Max-sec-bundle |  |  | Integer |  | Optional |
| Optional-category |  |  | Interger |  | Optional |
| Category-required | Yes No Type |  | String |  | Optional |
| Airave-mrc |  |  | Boolean |  | Optional |
| Feature | List of 0 to many feature structures | N/A | Structure |  | Optional |

Table 11 – Fields in option

**Lts-monthly-price**

| **XML Tag Name / Field Name** | **Description / Notes** | **Length** | **Type** | **Values** | **Req/Opt/Choice** |
| --- | --- | --- | --- | --- | --- |
| Rank |  |  | Integer |  | Required |

Table 12 – Fields in lts-monthly-price

**Product-definition**

| **XML Tag Name / Field Name** | **Description / Notes** | **Length** | **Type** | **Values** | **Req/Opt/Choice** |
| --- | --- | --- | --- | --- | --- |
| Product-indicator | 0 to many product-indicator |  | String |  | Optional |

Table 13 – Fields in product-definition

**Affinity**

| **XML Tag Name / Field Name** | **Description / Notes** | **Length** | **Type** | **Values** | **Req/Opt/Choice** |
| --- | --- | --- | --- | --- | --- |
| Affinity-Name |  |  | String |  | Optional |
| affinity-attribute | List of 1 to many affinity-attributes | N/A | Structure |  | Required |

Table 14 – Fields in affinity

affinity-attribute

| **XML Tag Name / Field Name** | **Description / Notes** | **Length** | **Type** | **Values** | **Req/Opt/Choice** |
| --- | --- | --- | --- | --- | --- |
| Name |  |  | String |  | Required |
| code |  |  | String |  | Required |
| Type |  |  | String |  | Optional |
| Length |  |  | Integer |  | Optional |
| Required | Yes No Type |  | String |  | Optional |
| Mask |  |  | String |  | Optional |
| Pattern |  |  | String |  | Optional |
| Value |  |  | String |  | Optional |
| Editable | Yes No Type |  | String |  | Optional |

Table 15 – Fields in affinity-attribute

###### feature

| **XML Tag Name / Field Name** | **Description / Notes** | **Length** | **Type** | **Values** | **Req/Opt/Choice** |
| --- | --- | --- | --- | --- | --- |
| Feature-id |  |  | String |  | Optional |
| feature-code | Code for the feature | 10 | String |  | Required |
| Feature-name |  |  | String |  | Optional |
| Feature-desc |  |  | String |  | Optional |
| Allowed-number-ranges |  | 100 | String |  | Optional |
| Number-range-size |  | 10000 | String |  | Optional |
| Msisdn-ind |  |  | Boolean |  | Optional |
| Effective-date |  |  | dateTime |  | Optional |
| expiration-date | Identifies that associated feature-code needs to be removed from existing customer |  | DateTime |  | Optional |
| Product-definition | 0 to many product-definition structures | N/A | structure |  | Optional |

Table 16 – Fields in feature

**product-definition**

| **XML Tag Name / Field Name** | **Description / Notes** | **Length** | **Type** | **Values** | **Req/Opt/Choice** |
| --- | --- | --- | --- | --- | --- |
| Product-indicator |  | String |  |  | Optional |

Table 17 – Fields in product-definition

###### data-allowances

| **XML Tag Name / Field Name** | **Description / Notes** | **Length** | **Type** | **Values** | **Req/Opt/Choice** |
| --- | --- | --- | --- | --- | --- |
| data-allowance | Defines the amount of data allowance |  | positiveInteger |  | Required |
| data-allowance-type | Defines the type of data allowance | 20 | String |  | Required |

Table 18 – Fields in data-allowances

###### rebateBogxInfo

| **XML Tag Name / Field Name** | **Description / Notes** | **Length** | **Type** | **Values** | **Req/Opt/Choice** |
| --- | --- | --- | --- | --- | --- |
| rebateBogxPlanInfoList |  |  | Structure |  | Optional |

Table 19 – Fields in rebateBogxInfo

**rebateBogxPlanInfoList**

| **XML Tag Name / Field Name** | **Description / Notes** | **Length** | **Type** | **Values** | **Req/Opt/Choice** |
| --- | --- | --- | --- | --- | --- |
| rebateBogxPlanInfo |  |  | Structure |  | Required |

Table 20 – Fields in rebateBogxPlanInfoList

**rebateBogxPlanInfo**

| **XML Tag Name / Field Name** | **Description / Notes** | **Length** | **Type** | **Values** | **Req/Opt/Choice** |
| --- | --- | --- | --- | --- | --- |
| OfferCode | BOGX offer ID | 6 | String |  | Required |
| OfferDescription | BOGX offer Description | 500 | String |  | Required |
| EffectiveDate | Offer effective date |  | Date |  | Required |
| ExpirationDate | Offer expiration date |  | Date |  | Optional |
| BuyQuantity | Deduction of the number of times the BAN already purchased a buy item of the offer from the offer limit | 2 | Int |  | Required |
| GetQuantity | Deduction of the number of times the BAN already purchased a get item of the offer from the offer limit | 2 | Int |  | Required |
| OfferEquipmentType | Type of equipment. H – Offer will contain Handsets only. A – Offer will contain Accessories only. M – Offer will contain Handsets/Accessories | 1 | String |  | Required |
| IgnoreUfpInd | true – ignore UFP  false – do not ignore UFP |  | Boolean | true/false | Required |
| Limit | How many times the BAN is allowed to take the offer (the offer limit minus the number of times the BAN already purchased the offer) | 2 | Int |  | Required |
| equipmentGroupInfoList | List of BOGX equipment group information | N/A | Structure |  | Required |
| flexibleMixMatchInd | true – indicates that FE has to compare price of the buy item to get item. Buy item buyPrice should be greater than or equal to get item buyPrice in the bogx offer  false -price comparison is not needed |  | Boolean | true/false | Required |

Table 21 – Fields in rebateBogxPlanInfo

**equipmentGroupInfoList**

| **XML Tag Name / Field Name** | **Description / Notes** | **Length** | **Type** | **Values** | **Req/Opt/Choice** |
| --- | --- | --- | --- | --- | --- |
| equipmentGroupInfo | BOGX equipment group information | N/A | Structure |  | Required |

Table 22 – Fields in equipmentGroupInfoList

**equipmentGroupInfo**

| **XML Tag Name / Field Name** | **Description / Notes** | **Length** | **Type** | **Values** | **Req/Opt/Choice** |
| --- | --- | --- | --- | --- | --- |
| groupDescription | Equipment group description | 30 | String |  | Optional |
| groupId | Group ID (will return if a group is defined and not just a unique item) | 15 | String |  | Optional |
| itemInfoList | List of item information | N/A | Structure |  | Required |
| action | B – Buy  G – Get | 1 | String |  | Required |
| quantity | Number of items to purchase | 2 | Int |  | Required |
| offerLineCode | The offer line code | 6 | String |  | Required |
| price | BOGX price | 9,2 | Decimal |  | Required |
| additionalDiscount | The additional discount defined in EQUIPMENT\_OFFER\_PRICING table | 9,2 | Decimal |  | Required |
| commitmentTerm | Commitment term in month  Zero for no commitment | 2 | Int |  | Required |
| subGroup | Equipment sub group code | 15 | String |  | Optional |
| subGroupQuantity | Equipment sub group quantity | 2 | Int |  | Optional |
| buyPrice | price+additionalDiscount | 9,2 | Decimal |  | Required |

Table 23 – Fields in equipmentGroupInfo

**itemInfoList**

| **XML Tag Name / Field Name** | **Description / Notes** | **Length** | **Type** | **Values** | **Req/Opt/Choice** |
| --- | --- | --- | --- | --- | --- |
| itemInfo | Item information | N/A | Structure |  | Required |

Table 24 – Fields in itemInfoList

**itemInfo**

| **XML Tag Name / Field Name** | **Description / Notes** | **Length** | **Type** | **Values** | **Req/Opt/Choice** |
| --- | --- | --- | --- | --- | --- |
| itemId | Item ID | 15 |  |  |  |
| itemDescription | Item description | 30 |  |  |  |
| srp | Suggested Retail Price | 9,2 | Decimal |  |  |

Table 25 – Fields in itemInfo

#### billing-name

| **XML Tag Name / Field Name** | **Description / Notes** | **Length** | **Type** | **Values** | **Req/Opt/Choice** |
| --- | --- | --- | --- | --- | --- |
| first-name | Customer’s billing first name | Min: 1  Max: 35 | String |  | Optional |
| last-business-name | Customer’s billing last name or company name if the account is business liable | Min: 1  Max: 60 | String |  | Required |
| additional-title | Additional customer billing name information | Min: 1  Max: 60 | String |  | Optional |

Table 26 – Fields in billing-name

## XML/HTTP

|  |  |
| --- | --- |
| Name | Description |
| *Deployed Service Name* | *DoAccountValidationService* |
| *Operation Name* | *doAccountValidation* |

### HTTP Configuration Settings

The table below represents the configuration settings when calling this interface. If third-party tools are used to create and send the SOAP request, most of these values will be set to the correct value by the tool.

|  |  |
| --- | --- |
| **Configuration Item** | **Value** |
| **Read Timeout** | Min: 1 Max: 10 |
| **Content** | text/xml |
| **Character Set** | utf-8 |

**Read Timeout**: (in seconds) How long to wait on the HTTP response from the interface before timing out.

**Character Set**: The character set of the data. For HTTP, character set is specified by the ‘Content-Type’ HTTP header; see example below. The HTTP charset should match the encoding declaration of the XML request.

**HTTP Header Header Value**

**Content-Type content=”text/xml; charset=utf-8”**

### Security

#### Encryption

*This interface does not require encryption in transport for applications within the Sprint network.*

#### Authentication

*This interface does not require authentication for applications within the Sprint network.*

### Schema & WSDL

See section, , for the schema folder links containing the WSDL and XSD files; production and draft versions.

### EAI Web Service User Guide

See section, , for the folder link containing *EAI Web Service User Guide.docx*.

### Web Service Header XSD

See section, , for the production schema folder link containing the header schema.

* Header Info??

### Error Conditions

[Refer to table of Standard SOAP Faults in the Web Service Design Standards](https://doc-share.corp.sprint.com/livelink/llisapi.dll?func=ll&objId=41316278&objAction=Open&nexturl=%2Flivelink%2Fllisapi%2Edll%3Ffunc%3Dll%26objId%3D40827672%26objAction%3Dbrowse%26viewType%3D1)

**Link in doc share for OVM Error Conditions for all OVM Services:**

<https://doc-share.corp.sprint.com/livelink/llisapi.dll?func=ll&objId=53932693&objAction=Open&nexturl=%2Flivelink%2Fllisapi%2Edll%3Ffunc%3Dll%26objId%3D53264720%26objAction%3Dbrowse%26viewType%3D1>

**Link to the folder for the OVM Error Conditions doc:**

<https://doc-share.corp.sprint.com/livelink/llisapi.dll?func=ll&objId=53264720&objAction=browse&viewType=1>



#### API Specific Error Conditions

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CODE** | **TYPE** | **ERROR\_NAME** | **ERROR SUB NAME** | **ERROR DESC** | **ERROR SCENARIO** | **EXPECTED RESOLUTION** |
|
| 100 | 2 | XML\_PARSE\_ERROR | DEFAULT | XML validation error. | OVM Request sent does not adhere to defined schema declaration | Verify the request XML against the Request XSD provided |
| 135 | 2 | INVALID\_ACCOUNT\_NUMBER | DOES\_NOT\_EXIST | Account [%s] does not exist. | The account number provided in the request is an invalid account number | Verify the account number and resend the relevant request. If not, please open a new account. |
| 140 | 3 | DELINQUENT\_ACCOUNT | WITH\_ACCOUNT\_NUM | Account [%s] is delinquent. | The customer information in the request is attached to a delinquent account with an unpaid balance, prohibiting further transactions | 1) Verify the SSN provided in the request 2) Create a new account for the subscriber requesting services if SSN is valid 3) Please request the customer to call Sprint Collections at (800)456-6070. |
| 141 | 2 | INVALID\_REFERENCE\_PTN | NO\_ACCOUNT | Account associated with PTN [%s] does not exist. | The Cellular number provided in the request is not attached to any existing Sprint account | Verify that the PTN/Cellular number provided is an existing and active Sprint number |
| 188 | 2 | SUSPENDED\_ACCOUNT\_NUMBER | WITH\_ACCOUNT\_NUM | Account [%s] is in a suspended state. | The information provided on the order corresponds to a Suspended account [%] | 1) Verify that the account for which the order is requested is Active 2) Validate that the account information sent in the request is correct and corresponds to the desired account |
| 198 | 3 | PREVIOUS\_FRAUDULENT\_ACTIVITY | NON\_RETRIEVAL | Customer information could not be retrieved due to a previous fraudulent activity. | The Account Information and/or Corporate/Government Identifier sent in the request is flagged as a fraudulent customer | Verify the account information sent in the request or Call Customer Care |
| 220 | 3 | REQUEST\_TIMED\_OUT | DEFAULT | Request has timed out before generating a valid response. | The service request sent to Sprint has timed out due to delay in processing the request/response | 1) Verify that the system is sending the request to the correct URL **(URL --)** 2) Contact Sprint representatives to ensure system is functioning as expected |
| 297 | 2 | INVALID\_QUESTION\_CODE\_AND\_ANSWER | DEFAULT | Invalid question code or answer, Please provide a valid security answer. | The question code and/or answer provided is invalid or is not recognized | Please provide the valid combination of security question code and corresponding answer |
| 322 | 2 | NO\_AUTH\_REQUIRED | AUTH\_WITH\_SSN | Customer's account does not have a PIN. Please resend with customer billing name, address, and at least last 4 digits of social security number. |  |  |
| 324 | 2 | AUTH\_CUSTOMER\_ACCOUNT\_LOCKED | DEFAULT | Customer Account Locked | The customer has tried to authenticate more than 3 times with incorrect idenitification information and has been locked | Please call Customer Care to proceed with the transaction |
| 346 | 2 | INVALID\_ACCTYPE\_SUBTYPE | DEALER\_NOT\_ALLOWED | Invalid Account type & sub type | The Account Type and SubType is not supported by the order channel | Please verify the Account Type and Subtype declared in the request and replace the order |
| 358 | 3 | SYSTEM\_ERROR | DEFAULT | A system error was encountered that will not allow this transaction to proceed. | A system error was encountered that will not allow this transaction to proceed. | 1) Please retry the order 2) Please call Customer Care to complete the order |

N/A

|  |  |
| --- | --- |
| **Fault Code** | **Condition** |
|  |  |
|  |  |

Note: The preceding table is not an exhaustive list of all fault codes returned by this interface, but captures those called out specifically in the design. The same fault codes listed or other fault codes may also be returned by the interface for general failure scenarios.