Sprint Web Services User Guide

QueryPlansAndOptionsService – validatePlansAndOptions

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Audience

This document is designed to help Web Services consumers and application developers integrate their applications with Sprint Web Services. It details the functional and technical aspects of the Web Service interface, including the technologies utilized, the security approach, error handling procedures, and available support options.

Revision History

Date	Version	Description	Author
12/17/2013	1.0	Initial version	Maicom Yamakishi

Contact Information

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1 Web Service Operation Functionality

This validatePlansAndOptions API provides the ability to validate transactions involving adding or deleting plans and attachables (otherwise known as options and SOCs). Plans and attachables can be validated for the following types of functions: new subscriber activation, device swap, device swap with changes to plan and attachables, plan swap, attachable change, market (CSA) swap.

NOTE: Operations with enumerated types are case-sensitive and in some cases restricted. Values must match exactly as documented in the WSDL.

The following sections contain the details of each of these operations, including documentation on every input and output parameter.

They also contain sample SOAP request and response messages. Note that they are filled with test data that is unlikely to be available after publication of this document. Note also that these samples are unsigned (for readability), and actual messages sent to and returned from Sprint's Web Services Gateway should contain the Web Services Security element (`<wsse:Security>`) inside the SOAP Header (`<soapenv:Header>`).

2 Component Structures

2.1 Request Message

2.1.1 trackingMessageHeader

The input request to validatePlansAndOptions API consists of two parts, the WSMessageHeader V2 and the request data structure

Name	Details	Descriptions
consumerId	Required	The ID of the corporate entity or business unit from which this message originated (e.g. Corporation code or Portal applId).
applicationId	Required	The ID of the application within the corporate entity from which this message originated.
messageId	Required	A unique identifier for this message, to enable tracking, reporting, and correlation.
conversationId	Optional	Each message is part of a conversation between two or more systems in a given session. The Conversation ID is a UID, which can be used to group all messages exchanged within a session. This is field is primarily used for tracking, reporting, root-cause-analysis, and non-repudiation.
timeToLive	Required	Specifies how long in seconds this message is relevant after the message timestamp. The calling application can time-out after 'timeToLive' seconds.
messageDateTimeStamp	Required	The dateTimeStamp of when the message was created. This can be used for tracking and reporting and also by the consuming application to determine if the message is stale.

All front-ends must send a consistent value in MessageHeader structure in the API request message. This is the only way to identify which application is calling the API. This structure will be used for analysis, reporting and troubleshooting purposes. MessageHeader will start to be validated in future releases.

2.1.2 validatePlansAndOptions

Field Name	Description	Length	Type	Values	Condition
callingApplicationDataInfo	Structure providing information regarding the calling front end		Structure		Required
serviceAgreementInfo	Structure providing detail info of validation request.		Structure		Required

2.1.2.1 callingApplicationDataInfo

Field Name	Description	Length	Type	Values	Condition
pin	Combination of vendorCode and pin is used to differentiate the calling system (channel).	4	String		Required
vendorCode	Combination of vendorCode and pin is used to differentiate the calling system (channel).	3	String		Required
orderId	Activation Order Identifier uniquely identifies an Activation Order.	1:24	String		Optional
storeId	Identifies store for reporting purposes.	7	String		Optional
associateId	Identifies associate for reporting purposes.	30	String		Optional
brandCode	Defines if the brand type of the device is Sprint (CDMA) or Nextel (iDEN) S-Sprint N-Nextel **Required for iDEN phones.** (If not sent, will be defaulted to 'S')	1	String	S,N	Optional (Conditional)

2.1.2.2 serviceAgreementInfo

Field Name	Description	Length	Type	Values	Condition
action	Structure identifying transaction type for validation		Structure		Required
banInfo	Structure identifying ban information.		Structure		Required
primarySubscriberInfo	Structure identifying subscriber information.		Structure		Optional
orderInfo	Structure identifying order information.		Structure		Required
serviceAreaInfo	Structure identifying service area information.		Structure		Required
deviceInfo	Structure providing device information.		Structure		Optional

Field Name	Description	Length	Type	Values	Condition
pricePlanOrSocInfo	Structure providing plan and soc information.		Structure		Optional
airaveInfo	Structure providing airave info		Structure		Optional
bundleSubValidationInfo	Structure identifying pending "shopping cart" order lines to be used in cross-sub rule validation		Structure		Optional

2.1.2.2.1   action

Field Name	Description	Length	Type	Values	Condition
actionType	Type of transaction for validation	1:10	String	CREATE, UPDATE, CHECK	Required
deviceSwapInd	Device Swap Indicator	5	Boolean	True, False	Optional
planChangeInd	Plan Change Indicator	5	Boolean	True, False	Optional
serviceAddInd	Indicates service to be added	5	Boolean	True, False	Optional
marketSwapInd	Indicates market swap (CSA swap) N/A if action-type = CREATE and optional if action-type = UPDATE. Required if the order involves a CSA/Sub-Market swap	5	Boolean	True, False	Optional
addLtsServiceInd	Indicates adding family plan. N/A if action-type = CREATE and optional if action-type = UPDATE. Required if the order involves adding an LTS service to an existing LTS group	5	Boolean	True, False	Optional

Field Name	Description	Length	Type	Values	Condition
swapLtsGrou-pInd	Indicates performing a swap within family plan. N/A if action-type = CREATE and optional if action-type = UPDATE, Required if the order involves swapping an LTS service for all subscribers in an LTS Group.	5	Boolean	True, False	Optional
validateSubInd	Indicates duplicating subscriber's existing services. N/A if action-type = CREATE and optional if action-type = UPDATE.	5	Boolean	True, False	Optional
duplicateSu-bInd	Required for duplicating subscriber's existing services. N/A if action-type = CREATE, required if action-type = UPDATE and mdn is not populated	5	Boolean	True, False	Conditional
subscriberId	Subscriber id. N/A if action-type = CREATE and optional if action-type = UPDATE. Required for validating subscriber's existing services against new BAN.	1:20	String		Conditional
targetSub	Target subscription. N/A if action-type = CREATE, optional if action-type = UPDATE and duplicate-sub is set to true	1:20	String		Conditional
addSubCount	N/A if action-type = CREATE, optional if action-type = UPDATE and duplicate-sub is set to true	5	positi-veInteger	True, False	Conditional
targetBan	Target ban. N/A if action-type = CREATE, required if action-type = UPDATE and subscriber-id is not populated	1:9	String		Conditional
mdn	mdn N/A if action-type = CREATE and optional if action-type = UPDATE. Required if add-lts-service is true or swap-lts-group is true	10	String		Conditional

Field Name	Description	Length	Type	Values	Condition
existingService-Id	Existing-service-id identified the lines-to-share SOC that was being requested to be manipulated, either adding new subscribers to that particular SOC or swapping all of the subscribers on that SOC to another SOC. N/A if action-type = CREATE and optional if action-type = UPDATE. Required if add-lts-service is true or swap-lts-group is true	1:9	String		Conditional
modifyFuturePlanInd	Indicates if plan is futured dated or not.	5	Boolean	True,False	Optional

2.1.2.2.2   banInfo

Field Name	Description	Length	Type	Values	Condition
Ban	Customer billing account	1:9	String		Choice
accountType	The type of account to be used to determine which plans to return. If accountSubType sent, accountType should be sent. I, B, C, G	1	String	I, B, C, G	Choice
accountSub-Type	Subscription type to be used to determine which plans to return. If accountType sent, accountSubType should be sent. I, B, H, N, G, 4	1	String	I, B, H, N, G, 4	Choice

Field Name	Description	Length	Type	Values	Condition
customerType-Desc	Specifies customer type if account type and sub type are not provided. Valid values: INDIVIDUAL BUSINESS CORPORATE_INDIVIDUAL CORPORATE_BUSINESS GOVERNMENT_INDIVIDUAL GOVERNMENT_BUSINESS	1:25	String	INDIVIDUAL BUSINESS CORPORATE_INDIVIDUAL CORPORATE_BUSINESS GOVERNMENT_INDIVIDUAL GOVERNMENT_BUSINESS	Choice
creditClass	Credit class of the subscriber	15	String		Optional
corpId	The corporate id and government id of the associated subscriber.	20	String		Optional

2.1.2.2.3   primarySubscriberInfo

Field Name	Description	Length	Type	Values	Condition
primarySubscriberId	Subscriber id Required when a subscriber is attempting to add to an existing family plan and a primary-plan-id is not provided	1:20	String		Condtional

Field Name	Description	Length	Type	Values	Condition
primarySoc	Primary family plan soc. Required when a subscriber is attempting to add to an existing family plan and a primary-subscriber-id is not provided	1:10	String		Condtional

2.1.2.2.4 orderInfo

Field Name	Description	Length	Type	Values	Condition
orderDate	Order Date		xs : date-Time		Required
salesChannel	Sales Channel	1:10	String		Optional

2.1.2.2.5 serviceAreaInfo

Field Name	Description	Length	Type	Values	Condition
serviceAreaZip	Stucture to indicate the zip code for which associated plans should be returned. This is required if the CSA, submarket is not provided.		Structure		Choice
submarket	Sub market. This is required if the service zip code, or CSA is not provided.	1:3	String		Choice
Csa	Coverage Service Area	1:10	String		Choice

2.1.2.2.5.1 serviceAreaZip

Field Name	Description	Length	Type	Values	Condition
Zipcode	Zip code of service area.	5		String	Required
zip4Code	Zip extension code.	4		String	Optional

2.1.2.2.6 deviceInfo

Field Name	Description	Length	Type	Values	Condition
itemId	Item id, or model id of the sub-scriber's device.	1:30	String		Choice
meid	MEID of the subscriber's device. Required if hsn is not provided.	1:18	String		Choice
hsn	iDEN device serial number	8:10	String		Choice
macId	Media Access Control Identifier	12	String		choice

2.1.2.2.7 pricePlanOrSocInfo

Field Name	Description	Length	Type	Values	Condition
pricePlanSoc	Price Plan Soc	1:20	String		Optional
effectiveDate-Time	Effective date and time		dateTime		Optional
ltsRank	family plan rank		postiveInteger		Optional
contractMonths	Number of months in contract	2	positiveInteger		Optional
specialRa-tedMdnList	Structure specifying phone number and ranges which qualify for special rating.	1:3	Structure		Optional
addOnSocList	Structure providing list of add on Socs		Structure		Optional

2.1.2.2.7.1 specialRatedMdnList

Field Name	Description	Length	Type	Values	Condition
phoneNumber	Phone Number holds the conca-tenation of the NPA Number, NXX Number and Line NUmber into a single string.	10	String		Choice
phoneNumber-Range	Phone Number Range is the dif-ference between the highest and the lowest phone number in a set of numbers where the range of number is inclusive of the lowest and highest number. Should be specified in following format. 9139130000-919131111	21	String		Choice

2.1.2.2.7.2   addOnSocList

Field Name	Description	Length	Type	Values	Condition
addOnSocInfo	Structure providing add on soc detail.		Structure		Required

2.1.2.2.7.2.1   addOnSocInfo

Field Name	Description	Length	Type	Values	Condition
Soc	Soc	1:10	String		Required
effectiveDate-Time	Effective date and time		dateTime		optional
expirationDa-teTime	Expiration date and time		dateTime		Optional
ltsRank	Family plan rank		positi-veInteger		
specialRa-tedMdnList	Structure specifying phone number and ranges which qualify for special rating.	1:3	Structure		Optional

2.1.2.2.7.2.1.1   specialRatedMdnList

Field Name	Description	Length	Type	Values	Condition
phoneNumber	Phone Number holds the conca-tenation of the NPA Number, NXX Number and Line NUmber into a single string.	10	String		Choice
phoneNumber-Range	Phone Number Range is the dif-ference between the highest and the lowest phone number in a set of numbers where the range of number is inclusive of the lowest and highest number. Should be specified in following format. 9139130000-919131111	21	String		Choice

2.1.2.2.8   airaveInfo

Field Name	Description	Length	Type	Values	Condition
airaveInd	Indicates order involves an air-ave device	5	Boolean	True, False	Optional

2.1.2.2.9   bundleSubValidationInfo

Field Name	Description	Length	Type	Values	Condition
pendingPla-nOrSocInfoList			Structure		Required

2.1.2.2.9.1   pendingPlanOrSocInfoList

Field Name	Description	Length	Type	Values	Condition
orderLineId	Unique value for each order line		unsig-nedLong		Required
action			Structure		Required
pricePlanOrSo-cInfo	Structure providing plan and soc information.		Structure		Optional

2.1.2.2.9.1.1   action

Field Name	Description	Length	Type	Values	Condition
actionType	Type of transaction for valida-tion	6	String	CREATE UPDATE CANCEL CHECK	Required
deviceSwapInd	Device Swap Indicator		Boolean		Optional
planChangeInd	Plan Change Indicator		Boolean		Optional
serviceAddInd	Indicates service to be added		Boolean		Optional
marketSwapInd	Indicates market swap (CSA swap) N/A if action-type = CREATE and optional if action-type = UPDATE. Required if the order involves a CSA/Sub-Market swap		Boolean		Optional
addLtsServi-ceInd	Indicates adding family plan. N/A if action-type = CREATE and optional if action-type = UPDATE. Required if the order involves adding an LTS service to an existing LTS group		Boolean		Optional
swapLtsGrou-pInd	Indicates performing a swap within family plan. N/A if ac-tion-type = CREATE and op-tional if action-type = UPDATE, Required if the order involves swapping an LTS service for all subscribers in an LTS Group.		Boolean		Optional

Field Name	Description	Length	Type	Values	Condition
validateSubInd	Indicates duplicating subscriber's existing services. N/A if action-type = CREATE and optional if action-type = UPDATE.		Boolean		Optional
duplicateSubInd	Required for duplicating subscriber's existing services. N/A if action-type = CREATE, required if action-type = UPDATE and mdn is not populated		Boolean		Optional
subscriberId	Subscriber id. N/A if action-type = CREATE and optional if action-type = UPDATE. Required for validating subscriber's existing services against new BAN.	Min: 1,Max: 20	String		Optional
targetSub	Target subscription. N/A if action-type = CREATE, optional if action-type = UPDATE and duplicate-sub is set to true	Min: 1,Max: 20	String		Optional
addSubCount	N/A if action-type = CREATE, optional if action-type = UPDATE and duplicate-sub is set to true		positiveInteger		Optional
targetBan	Target ban. N/A if action-type = CREATE, required if action-type = UPDATE and subscriber-id is not populated	Min: 1,Max: 9	String		Optional
mdn	mdn N/A if action-type = CREATE and optional if action-type = UPDATE. Required if add-lts-service is true or swap-lts-group is true	10	String		Optional
existingService-Id	N/A if action-type = CREATE and optional if action-type = UPDATE. Required if add-lts-service is true or swap-lts-group is true	Min: 1,Max: 9	String		Optional

2.1.2.2.9.1.2   pricePlanOrSocInfo

Field Name	Description	Length	Type	Values	Condition
pricePlanSoc	Price Plan Soc	Min: 1,Max: 9	String		Optional
effectiveDateTime	Effective date and time		Date/Time		Optional
ltsRank	family plan rank		positiveInteger		Optional

Field Name	Description	Length	Type	Values	Condition
contractMonths	Number of months in contract	Min: 1,Max: 2	String		Optional
specialRa-tedMdnList	Structure specifying phone number and ranges which qualify for special rating.		Structure		Optional
addOnSocList	Structure providing list of add on Socs		Structure		Optional

2.1.2.2.9.1.2.1   specialRatedMdnList

Field Name	Description	Length	Type	Values	Condition
specialRa-tedMdnInfo			Structure		Required

2.1.2.2.9.1.2.1.1   specialRatedMdnInfo

Field Name	Description	Length	Type	Values	Condition
phoneNumber	Phone Number holds the conca-tenation of the NPA Number, NXX Number and Line NUmber into a single string.	Max: 10	String		Required
phoneNumber-Range	Phone Number Range is the dif-ference between the highest and the lowest phone number in a set of numbers where the range of number is inclusive of the lowest and highest number. Should be specified in following format. 9139130000-919131111	21	String		Required

2.1.2.2.9.1.2.1.2   addOnSocList

Field Name	Description	Length	Type	Values	Condition
addOnSocInfo	Structure providing add on soc detail.		Structure		Required

2.1.2.2.9.1.2.1.2.1 addOnSocInfo

Field Name	Description	Length	Type	Values	Condition
Soc	Soc	Min: 1,Max: 9	String		Required

Field Name	Description	Length	Type	Values	Condition
effectiveDate-Time	Effective date and time		Date/Time		Optional
expirationDa-teTime	Expiration date and time		Date/Time		Optional
ltsRank	Family plan rank		positi-veInteger		Optional
specialRa-tedMdnList	Structure specifying phone number and ranges which qualify for special rating.		Structure		Optional

2.1.2.2.9.1.2.1.2.2 specialRatedMdnList

Field Name	Description	Length	Type	Values	Condition
specialRa-tedMdnInfo			Structure		Required

2.1.2.2.9.1.2.1.2.3 specialRatedMdnInfo

Field Name	Description	Length	Type	Values	Condition
phoneNumber	Phone Number holds the concatenation of the NPA Number, NXX Number and Line NUmber into a single string.	Max: 10	String		Required
phoneNumber-Range	Phone Number Range is the difference between the highest and the lowest phone number in a set of numbers where the range of number is inclusive of the lowest and highest number. Should be specified in following format. 9139130000-919131111	21	String		Required

2.2 Response Message

2.2.1 validatePlansAndOptionsResponse

Field Name	Description	Length	Type	Values	Condition
validationSucceeded	Indicates validation succeeded or failed.	5	Boolean	True, False	Required
familySubscribersPricePlanChangeRequiredInd	Indicates that subscribers that have the sharing plan of the subscriber sent in the Request must have their price plan changed also	5	Boolean	True, False	Optional
secBundleSubPricePlanChangeRequiredList	Indicates List of Secondary subscribers that must change price plan to align with the requested removal of the primary plan sent in the Request		Structure		Optional
ltsRemainingSubscribers	Indicates how many additional subs are able to be added to the family/sharing plan that was selected in the request.		PositiveInteger		Optional
pricePlanInfo	Provides primary plan information.		Structure		Optional
addOnSocList	Provides add on soc information.		Structure		Optional
expiredPricePlanInfo	Provides info on plan that should be expired.		Structure		Optional
expiredAddOnSocList	Provides info on add on Socs that should be expired.		Structure		Optional
expiredResourceList	Provides info on resources that should be expired.		Structure		Optional
changedSocList	Provides changed Socs information.		Structure		Optional
legacyPlanList	Provides legacy plan names.		Structure		Optional
resourceList	Provides internal information only for OVM.		Structure		Optional
suggestionGroupList	Provides the set of available suggestions for the existing or requested plan/soc in conflict to the subscriber in reference to the specific error message.		Structure		Optional
dataSocInd	Indicates whether the subscriber will have data soc by the end of the transaction as sent in the Service Validation Request. Values: True, False	5	Boolean	True, False	Required

Field Name	Description	Length	Type	Values	Condition
messagingSocInd	Indicates whether the subscriber will have messaging soc by the end of the transaction as sent in the Service Validation Request. Values: True, False	5	Boolean	True, False	Required
validationErrorInfo	Includes OVM service validation error information for error type = 4. Additional information may be provided in response.		Structure		Optional
voiceControlValidInd	Indicates whether subscriber/device supports Voice Control or not and will only be returned when actionType is "CHECK" on the request.		Boolean	True,False	Optional

2.2.1.1 secBundleSubPricePlanChangeRequiredList

Field Name	Description	Length	Type	Values	Condition
secBundleSubPricePlanChangeRequiredInfo	Indicates List of Secondary subscribers that must change price plan to align with the requested removal of the primary plan sent in the Request		Structure		Required

2.2.1.1.1 secBundleSubPricePlanChangeRequiredInfo

Field Name	Description	Length	Type	Values	Condition
primaryBundleSoc	Identifies the primary bundled SOC	1-9	String		Required
secondaryBundleSoc	Identifies the secondary bundled SOC	1-9	String		Required
removeSecondarySubscriberCount	The number of secondary SOCs that must be removed (may be less than the number secondary subscribers that exist on the account)		Integer		Required
secSubscriberList	Contains secSubscriberInfo, which contains a list of secondary subscribers		Structure		Required

2.2.1.1.1.1 secSubscriberListElement

Field Name	Description	Length	Type	Values	Condition
subscriberId	Secondary Subscriber Id	8-20	String		Required
mdn	MDN of the Subscriber	10	String		Optional

2.2.1.2 pricePlanInfo

Field Name	Description	Length	Type	Values	Condition
pricePlanSoc	Plan code.	1:10	String		Required
effectiveDate-Time	Plan effective date.		xs:dateTime		Optional
expirationDa-teTime	Plan expiration date.		xs:dateTime		Optional
socDesc	Plan Name	1:50	String		Optional
banLevelInd	Indicates associated plan id is an account level price plan, for internal use only	5	Boolean	true, false	Optional
autoUpdateInd	Indicates OVM has automatically added the plan.	5	Boolean	true, false	Optional
cellularSupport-Ind	Indicates that associated soc requires a phone number resource	5	Boolean	true, false	Optional
dispatchSup-portInd	Indicates that the associated soc requires a push-to-talk resource	5	Boolean	true, false	Optional
packetData-SupportInd	Indicates that the associated soc requires a data access resource. If 'N', no packet data support is needed. Sample values (may not be all inclusive) N – No, Y – Yes, B – (iDEN private IP), P – (iDEN public IP), C and R	1	String		Optional
cdmaPacketDa-taSupportInd	Indicates that the associated soc requires a CDMA IP resource.		Boolean		Optional
serviceType	OVM internal use only	1	String		Optional
productTypeL-ist	Structure with product definition details.		Structure		Optional
featureList	Structure providing feature detail info.	1:20	Structure		Optional
relatedSocList	Structure providing other option detail info.		Structure		Optional

Field Name	Description	Length	Type	Values	Condition
naiInd	Indicates that associated price plan requires a CDMA resource.		Boolean		Required
modifySocFea-turesInd	Indicates that the features associated with this plan need to be modified		Boolean		Optional

2.2.1.2.1 productTypeList

Field Name	Description	Length	Type	Values	Condition
productTypeIn-fo	Structure with product type information	1:unbounded	Structure		Optional

2.2.1.2.2 productTypeInfo

Field Name	Description	Length	Type	Values	Condition
productId	Price Plan Product Indicator Some Valid values are: LTS (lines to share) M2H (mobile to home) M2O (mobile to office) AFR (affinity registration) AFB (affinity benefit) AIR (airave) HPP (NDC provisioning feature) HPR (NDC rating feature) HPB (NDC rating & provisioning feature) HPC (NDC call forwarding feature) WEL (Welcome Verify) VBS (Discounted MRC Feature) ACV (Discounted MRC Feature) HP1 (NDC feature) HP2 (NDC Feature) WMX (WiMAX feature) SBD (Secondary Bundle) PBD (Primary Bundle) ATA Airave ATA 4GC 4G Clearwire UNI (Universal) VCF (Voice Control feature) BSF (Barring SOC feature) INS (Insurance)	3	String		

2.2.1.2.3 featureList

Field Name	Description	Length	Type	Values	Condition
featureInfo	Structure containing information relating to a specific feature Max Occurs: 20 structures		Structure		Optional

2.2.1.2.4 featureInfo

Field Name	Description	Length	Type	Values	Condition
featureId	Component of the feature (option-id), For internal use only	1:6	String		Optional
featureCode	Component of the feature (option-id) , For internal use only	1:6	String		Required
featureName	Component of the feature (option-id) , For internal use only	1:6	String		Optional
featureDesc	Description of the feature component, For internal use only	1:100	String		Optional
allowedNumberRanges	Indicates maximum number of phone ranges if associated feature is a mobile to office type	1:100	unsignedInt		Optional
numberRangeSize	Indicates maximum size of the phone range if associated feature is a mobile to office type	1:10000	unsignedInt		Optional
msisdnInd	For internal use only	5	Boolean	true, false	Optional
effectiveDateTime	Effective date and time.		dateTime		Optional
expirationDateTime	Effective date and time.		dateTime		Optional
productTypeList	Structure with product definition details.		Structure		Optional

2.2.1.2.5 productTypeList

Field Name	Description	Length	Type	Values	Condition
productTypeInfo	Structure with product type information	1:unbounded	Structure		Optional

2.2.1.2.6 productTypeInfo

Field Name	Description	Length	Type	Values	Condition

Field Name	Description	Length	Type	Values	Condition
productId	Product id. Valid values are: LTS (lines to share) M2H (mobile to home) M2O (mobile to office) AFR (affinity registration) AFB (affinity benefit) AIR (airave) HPP (NDC provisioning feature) HPR (NDC rating feature) HPB (NDC rating & provisioning feature) HPC (NDC call forwarding feature) WEL (Welcome Verify) VBS (Discounted MRC Feature) ACV (Discounted MRC Feature) HP1 (NDC feature) HP2 (NDC Feature) WMX (WiMAX feature SBD Secondary Bundle PBD Primary Bundle ATA Airave ATA 4GC 4G Clearwire UNI Universal VCF (Voice Control feature) BSF (Barring SOC feature) INS (Insurance)	3	String		

2.2.1.2.7   relatedSocList

Field Name	Description	Length	Type	Values	Condition
relatedSocInfo	Structure for related soc info detail	1:unbounded	Structure		Optional

2.2.1.2.7.1   relatedSocInfo

Field Name	Description	Length	Type	Values	Condition
soc	Soc code of the option.	1:10	String		Optional

Field Name	Description	Length	Type	Values	Condition
existingSocInd	Indicates that associated option id is a feature that already exists on the subscriber associated to the request.	5	Boolean	true, false	Optional
sequence-Number	OVM internal use only.		unsig-nedLong		Optional
effectiveDate-Time	Date option was effective.		xs:dateTime		Optional
expirationDa-teTime	Date option expires.		xs:dateTime		Optinal
optionName	Name of option	1:25	String		Optional
banLevelOptio-nInd	True indicates that associated soc is an account level feature.	5	Boolean	true, false	Optional
relatedOptionId	Related option soc.	1:9	String		Optional
autoUpdateInd	Indicates OVM automatically added this option.	5	Boolean	true,false	Optional
cellularSuppor-tInd	Indicates that associated soc requires a phone number resource	5	Boolean	true, false	Optional
dispatchSup-portInd	Indicates that the associated soc requires a push-to-talk resource	5	Boolean	true, false	Optional
packetData-SupportInd	Indicates that the associated soc requires a data access resource. If 'N', no packet data support is needed. Sample values (may not be all inclusive) N – No, Y – Yes, B – (iDEN private IP), P – (iDEN public IP), C and R	1	String	Y, N, B, P	Optional
cdmaPacketDa-taSupportInd	Indicates that the associated soc requires a CDMA IP resource.	5	Boolean	true, false	Optional
serviceType	OVM internal use only	1	String		Optional
autoAddInd	Indicates OVM automatically added this option.	5	Boolean	true,false	Optional
productTypeL-ist	Structure with product definition details.		Structure		Optional
featureList	List of structure providing detail feature information.	0:20	Structure		Optional
modifySocFea-turesInd	Indicates that the features asso-ciated with this plan need to be modified		Boolean		Optional

2.2.1.2.7.1.1   productTypeList

Field Name	Description	Length	Type	Values	Condition
productTypeIn-fo	Structure with product type in-formation	1:unbounded	Structure		Optional

2.2.1.2.7.1.1.1   productTypeInfo

Field Name	Description	Length	Type	Values	Condition
productId	Product id. Valid values are: LTS (lines to share) M2H (mobile to home) M2O (mobile to office) AFR (affinity registration) AFB (affinity benefit) AIR (airave) HPP (NDC provisioning feature) HPR (NDC rating feature) HPB (NDC rating & provision-ing feature) HPC (NDC call forwarding fea-ture) WEL (Welcome Verify) VBS (Discounted MRC Feature) ACV (Discounted MRC Feature) HP1 (NDC feature) HP2 (NDC Feature) WMX (WiMAX feature SBD Secondary Bundle PBD Primary Bundle ATA Airave ATA 4GC 4G Clearwire UNI Universal VCF (Voice Control feature) BSF (Barring SOC feature) INS Insurance	3	String		Required

2.2.1.2.8   featureList

Field Name	Description	Length	Type	Values	Condition
featureInfo	Structure containing information relating to a specific feature Max Occurs: 20 structures		Structure		Optional

2.2.1.2.8.1   featureInfoList

Field Name	Description	Length	Type	Values	Condition
featureId	Component of the feature (option-id), For internal use only	1:6	String		Optional

2.2.1.2.8.1.1   featureInfo

Field Name	Description	Length	Type	Values	Condition
featureId	Component of the feature (option-id), For internal use only	1:6	String		Optional
featureCode	Component of the feature (option-id) , For internal use only	1:6	String		Required
featureName	Component of the feature (option-id) , For internal use only	1:6	String		Optional
featureDesc	Description of the feature component, For internal use only	1:100	String		Optional
allowedNumberRanges	Indicates maximum number of phone ranges if associated feature is a mobile to office type	1:100	unsignedInt		Optional
numberRangeSize	Indicates maximum size of the phone range if associated feature is a mobile to office type	1:10000	unsignedInt		Optional
msisdnInd	For internal use only	5	Boolean	true, false	Optional
effectiveDateTime	Effective date and time.		dateTime		Optional
expirationDateTime	Effective date and time.		dateTime		Optional
productTypeList	Structure with product definition details.		Structure		Optional

2.2.1.2.8.1.1.1   productTypeList

Field Name	Description	Length	Type	Values	Condition
productTypeInfo	Structure with product type information	1:unbounded	Structure		Optional

2.2.1.2.8.1.1.1.1   productTypeList

Field Name	Description	Length	Type	Values	Condition
productTypeInfo	Structure with product type information	1:unbounded	Structure		Optional

2.2.1.2.8.1.1.1.1.1 productTypeInfo

Field Name	Description	Length	Type	Values	Condition
productId	Product id. Valid values are: LTS (lines to share) M2H (mobile to home) M2O (mobile to office) AFR (affinity registration) AFB (affinity benefit) AIR (airave) HPP (NDC provisioning feature) HPR (NDC rating feature) HPB (NDC rating & provisioning feature) HPC (NDC call forwarding feature) WEL (Welcome Verify) VBS (Discounted MRC Feature) ACV (Discounted MRC Feature) HP1 (NDC feature) HP2 (NDC Feature) WMX (WiMAX feature SBD Secondary Bundle PBD Primary Bundle ATA Airave ATA 4GC 4G Clearwire UNI Universal VCF (Voice Control feature) BSF (Barring SOC feature) INS Insurance	3	String		Required

2.2.1.3 addonSocList

Field Name	Description	Length	Type	Values	Condition
addOnSocInfo	Structure providing detail add on soc information.	1:unbounded	Structure		Required

2.2.1.3.1 addOnSocInfo

Field Name	Description	Length	Type	Values	Condition
soc	Feature code that was passed in the input.	1:10	String		Required

Field Name	Description	Length	Type	Values	Condition
existingSocInd	Indicates that associated option id is a feature that already exists on the subscriber associated to the request.	5	Boolean	true, false	Optional
socSequence-Number	OVM internal use only.		unsignedLong		Optional
effectiveDate-Time	Date soc was effective.		xs:dateTime		Optional
expirationDateTime	Date soc was expired.		xs:dateTime		Optional
socDesc	Soc description.	1:25	String		Optional
banLevelInd	True indicates that associated feature is an account level feature.		Boolean		Optional
relatedSocId	OVM use internally	1:9	String		Optional
autoUpdateInd	Indicates OVM automatically added the soc.	5	Boolean	true, false	Optional
cellularSupportInd	Indicates that associated feature requires a phone number resource	5	Boolean	true, false	Optional
dispatchSupportInd	Indicates that the associated feature requires a push-to-talk resource	5	Boolean	true, false	Optional
packetData-SupportInd	Indicates that the associated feature requires a data access resource. If 'N', no packet data support is needed. Sample values (may not be all inclusive) N – No, Y – Yes, B – (iDEN private IP), P – (iDEN public IP), C and R	1	String		Optional
cdmaPacketDataSupportInd	Indicates that the associated feature requires a CDMA IP resource.	5	Boolean	true, false	Optional
serviceType	OVM internal use only	1	String		Optional
autoAddInd	Indicates OVM has automatically added this option		Boolean		Optional
productTypeList	Structure with product definition details.		Structure		Optional

Field Name	Description	Length	Type	Values	Condition
featureList	List of Structures providing feature detail info.		Structure		Optional
modifySocFeaturesInd	Indicates that the features associated with this plan need to be modified		Boolean		Optional

2.2.1.3.2   productTypeList

Field Name	Description	Length	Type	Values	Condition
productTypeInfo	Structure with product type information	1:unbounded	Structure		Required

2.2.1.3.2.1   productTypeInfo

Field Name	Description	Length	Type	Values	Condition
productId	Price Plan Product Indicator Valid values are: LTS (lines to share) M2H (mobile to home) M2O (mobile to office) AFR (affinity registration) AFB (affinity benefit) AIR (airave) HPP (NDC provisioning feature) HPR (NDC rating feature) HPB (NDC rating & provisioning feature) HPC (NDC call forwarding feature) WEL (Welcome Verify) VBS (Discounted MRC Feature) ACV (Discounted MRC Feature) HP1 (NDC feature) HP2 (NDC Feature) WMX (WiMAX feature SBD Secondary Bundle PBD Primary Bundle ATA Airave ATA 4GC 4G Clearwire UNI Universal VCF (Voice Control feature) BSF (Barring SOC feature) INS Insurance		String		Required

2.2.1.3.3   featureList

Field Name	Description	Length	Type	Values	Condition
featureInfo	Structure containing information relating to a specific feature Max Occurs: 20 structures		Structure		Optional

2.2.1.3.3.1   featureInfo

Field Name	Description	Length	Type	Values	Condition
featureId	Component of the feature (option-id), For internal use only	1:6	String		Optional
featureCode	Component of the feature (option-id) , For internal use only	1:6	String		Required
featureName	Component of the feature (option-id) , For internal use only	1:6	String		Optional
featureDesc	Description of the feature component, For internal use only	1:100	String		Optional
allowedNumberRanges	Indicates maximum number of phone ranges if associated feature is a mobile to office type	1:100	unsignedInt		Optional
numberRangeSize	Indicates maximum size of the phone range if associated feature is a mobile to office type	1:10000	unsignedInt		Optional
msisdnInd	For internal use only	5	Boolean	true, false	Optional
effectiveDate	No longer used		date		Optional
expirationDate	No longer used		date		Optional
productTypeList	Structure with product definition details.		Structure		Optional

2.2.1.3.4   productTypeList

Field Name	Description	Length	Type	Values	Condition
productTypeInfo	Structure with product type information	1:unbounded	Structure		Required

2.2.1.3.4.1 productTypeInfo

Field Name	Description	Length	Type	Values	Condition
productId	Price Plan Product Indicator Valid values are: LTS (lines to share) M2H (mobile to home) M2O (mobile to office) AFR (affinity registration) AFB (affinity benefit) AIR (airave) HPP (NDC provisioning feature) HPR (NDC rating feature) HPB (NDC rating & provision- ing feature) HPC (NDC call forwarding fea- ture) WEL (Welcome Verify) VBS (Discounted MRC Feature) ACV (Discounted MRC Feature) HP1 (NDC feature) HP2 (NDC Feature) WMX (WiMAX feature SBD Secondary Bundle PBD Primary Bundle ATA Airave ATA 4GC 4G Clearwire UNI Universal VCF (Voice Control feature) BSF (Barring SOC feature) INS Insurance		String		Required

2.2.1.4 expiredPricePlanInfo

Field Name	Description	Length	Type	Values	Condition
pricePlanSoc	Plan code.	1:10	String		Required
effectiveDate-Time	Plan effective date.		xs:dateTime		Optional
expirationDateTime	Plan expiration date.		xs:dateTime		Optional
socDesc	Plan Name	1:50	String		Optional
banLevelInd	Indicates associated plan id is an account level price plan, for internal use only	5	Boolean	true, false	Optional
autoUpdateInd	Indicates OVM has automatically added the plan.	5	Boolean	true, false	Optional
cellularSupportInd	Indicates that associated soc requires a phone number resource	5	Boolean	true, false	Optional

Field Name	Description	Length	Type	Values	Condition
dispatchSup-portInd	Indicates that the associated soc requires a push-to-talk resource	5	Boolean	true, false	Optional
packetData-SupportInd	Indicates that the associated soc requires a data access resource. If 'N', no packet data support is needed. Sample values (may not be all inclusive) N – No, Y – Yes, B – (iDEN private IP), P – (iDEN public IP), C and R	1	String		Optional
cdmaPacketDa-taSupportInd	Indicates that the associated soc requires a CDMA IP resource.		Boolean		Optional
serviceType	OVM internal use only	1	String		Optional
productTypeL-ist	Structure with product definition details.		Structure		Optional
featureList	Structure providing feature detail info.	1:20	Structure		Optional
relatedSocList	Structure providing other option detail info.		Structure		Optional
naiInd	Indicates that associated price plan requires a CDMA resource.		Boolean		Required
modifySocFea-turesInd	Indicates that the features asso-ciated with this plan need to be modified		Boolean		Optional

2.2.1.4.1   productTypeList

Field Name	Description	Length	Type	Values	Condition
productTypeIn-fo	Structure with product type in-formation	1:unboun ded	Structure		Required

2.2.1.4.2 productTypeInfo

Field Name	Description	Length	Type	Values	Condition
productId	Price Plan Product Indicator Valid values are: LTS (lines to share) M2H (mobile to home) M2O (mobile to office) AFR (affinity registration) AFB (affinity benefit) AIR (airave) HPP (NDC provisioning feature) HPR (NDC rating feature) HPB (NDC rating & provision-ing feature) HPC (NDC call forwarding fea-ture) WEL (Welcome Verify) VBS (Discounted MRC Feature) ACV (Discounted MRC Feature) HP1 (NDC feature) HP2 (NDC Feature) WMX (WiMAX feature SBD Secondary Bundle PBD Primary Bundle ATA Airave ATA 4GC 4G Clearwire UNI Universal VCF (Voice Control feature) BSF (Barring SOC feature) INS Insurance	3	String		Required

2.2.1.4.3 featureList

Field Name	Description	Length	Type	Values	Condition
featureInfo	Structure containing information relating to a specific feature Max Occurs: 20 structures		Structure		Optional

2.2.1.4.4 featureInfo

Field Name	Description	Length	Type	Values	Condition
featureId	Component of the feature (op-tion-id), For internal use only	1:6	String		Optional
featureCode	Component of the feature (op-tion-id) , For internal use only	1:6	String		Required
featureName	Component of the feature (op-tion-id) , For internal use only	1:6	String		Optional

Field Name	Description	Length	Type	Values	Condition
featureDesc	Description of the feature component, For internal use only	1:100	String		Optional
allowedNumberRanges	Indicates maximum number of phone ranges if associated feature is a mobile to office type	1:100	unsignedInt		Optional
numberRangeSize	Indicates maximum size of the phone range if associated feature is a mobile to office type	1:10000	unsignedInt		Optional
msisdnInd	For internal use only	5	Boolean	true, false	Optional
effectiveDateTime	Effective date and time.		dateTime		Optional
expirationDateTime	Effective date and time.		dateTime		Optional
productTypeList	Structure with product definition details.		Structure		Optional

2.2.1.4.5   productTypeList

Field Name	Description	Length	Type	Values	Condition
productTypeInfo	Structure with product type information	1:unbounded	Structure		Required

2.2.1.4.6   productTypeInfo

Field Name	Description	Length	Type	Values	Condition
productId	Product id. Valid values are: LTS (lines to share) M2H (mobile to home) M2O (mobile to office) AFR (affinity registration) AFB (affinity benefit) AIR (airave) HPP (NDC provisioning feature) HPR (NDC rating feature) HPB (NDC rating & provisioning feature) HPC (NDC call forwarding feature) WEL (Welcome Verify) VBS (Discounted MRC Feature) ACV (Discounted MRC Feature) HP1 (NDC feature) HP2 (NDC Feature) WMX (WiMAX feature SBD Secondary Bundle PBD Primary Bundle ATA Airave ATA 4GC 4G Clearwire UNI Universal VCF (Voice Control feature) BSF (Barring SOC feature) INS Insurance	3	String	LTS, M2H, M2O, AFR, AFB, AIR, HPP, HPR, HPB, HPC, WEL, VBS, ACV, HP1, HP2, WMX, SBD, PBD, ATA, 4GC, UNI, VCF, BSF INS	Required

2.2.1.4.7   relatedSocList

Field Name	Description	Length	Type	Values	Condition
relatedSocInfo	Structure for related soc info detail	1:unbounded	Structure		Optional

2.2.1.4.8   relatedSocInfo

Field Name	Description	Length	Type	Values	Condition
soc	Soc code of the option.	1:10	String		Required

Field Name	Description	Length	Type	Values	Condition
existingSocInd	Indicates that associated option id is a feature that already exists on the subscriber associated to the request.	5	Boolean	true, false	Optional
sequence-Number	OVM internal use only.		unsig-nedLong		Optional
effectiveDate-Time	Date option was effective.		xs:dateTime		Optional
expirationDa-teTime	Date option expires.		xs:dateTime		Optinal
optionName	Name of option	1:25	String		Optional
banLevelOptio-nInd	True indicates that associated soc is an account level feature.	5	Boolean	true, false	Optional
relatedOptionId	Related option soc.	1:9	String		Optional
autoUpdateInd	Indicates OVM automatically added this option.	5	Boolean	true,false	Optional
cellularSuppor-tInd	Indicates that associated soc requires a phone number resource	5	Boolean	true, false	Optional
dispatchSup-portInd	Indicates that the associated soc requires a push-to-talk resource	5	Boolean	true, false	Optional
packetData-SupportInd	Indicates that the associated soc requires a data access resource. If 'N', no packet data support is needed. Sample values (may not be all inclusive) N – No, Y – Yes, B – (iDEN private IP), P – (iDEN public IP), C and R	1	String		Optional
cdmaPacketDa-taSupportInd	Indicates that the associated soc requires a CDMA IP resource.	5	Boolean	true, false	Optional
serviceType	OVM internal use only	1	String		Optional
autoAddInd	Indicates OVM automatically added this option.	5	Boolean	true,false	Optional
productTypeL-ist	Structure with product definition details.		Structure		Optional
featureList	List of Structures providing de-tail feature information.		Structure		Optional
modifySocFea-turesInd	Indicates that the features asso-ciated with this plan need to be modified		Boolean		Optional

2.2.1.4.9 productTypeList

Field Name	Description	Length	Type	Values	Condition
productTypeIn-fo	Structure with product type in-formation	1:unbounded	Structure		Required

2.2.1.4.10 productTypeInfo

Field Name	Description	Length	Type	Values	Condition
productId	Product id. Valid values are: LTS (lines to share) M2H (mobile to home) M2O (mobile to office) AFR (affinity registration) AFB (affinity benefit) AIR (airave) HPP (NDC provisioning feature) HPR (NDC rating feature) HPB (NDC rating & provision-ing feature) HPC (NDC call forwarding fea-ture) WEL (Welcome Verify) VBS (Discounted MRC Feature) ACV (Discounted MRC Feature) HP1 (NDC feature) HP2 (NDC Feature) WMX (WiMAX feature SBD Secondary Bundle PBD Primary Bundle ATA Airave ATA 4GC 4G Clearwire UNI Universal VCF (Voice Control feature) BSF (Barring SOC feature) INS Insurance	3	String	LTS, M2H, M20, AFR, AFB, AIR, HPP, HPR, HPB, HPC, WEL, VBS, ACV, HP1, HP2, WMX, SBD, PBD, ATA, 4GC, UNI, VCF, BSF INS	Required

2.2.1.4.11 featureList

Field Name	Description	Length	Type	Values	Condition
featureInfo	Structure containing information relating to a specific feature Max Occurs: 20 structures		Structure		Optional

2.2.1.4.12 featureInfo

Field Name	Description	Length	Type	Values	Condition
featureId	Component of the feature (option-id), For internal use only	1:6	String		Optional
featureCode	Component of the feature (option-id) , For internal use only	1:6	String		Required
featureName	Component of the feature (option-id) , For internal use only	1:6	String		Optional
featureDesc	Description of the feature component, For internal use only	1:100	String		Optional
allowedNumberRanges	Indicates maximum number of phone ranges if associated feature is a mobile to office type	1:100	unsignedInt		Optional
numberRangeSize	Indicates maximum size of the phone range if associated feature is a mobile to office type	1:10000	unsignedInt		Optional
msisdnInd	For internal use only	5	Boolean	true, false	Optional
effectiveDateTime	Effective date and time.		dateTime		Optional
expirationDateTime	Effective date and time.		dateTime		Optional
productTypeList	Structure with product definition details.		Structure		Optional

2.2.1.4.13 productTypeList

Field Name	Description	Length	Type	Values	Condition
productTypeInfo	Structure with product type information	1:unbounded	Structure		Required

2.2.1.4.14 productTypeInfo

Field Name	Description	Length	Type	Values	Condition
productId	Product id. Valid values are: LTS (lines to share) M2H (mobile to home) M2O (mobile to office) AFR (affinity registration) AFB (affinity benefit) AIR (airave) HPP (NDC provisioning feature) HPR (NDC rating feature) HPB (NDC rating & provisioning feature) HPC (NDC call forwarding feature) WEL (Welcome Verify) VBS (Discounted MRC Feature) ACV (Discounted MRC Feature) HP1 (NDC feature) HP2 (NDC Feature) WMX (WiMAX feature SBD Secondary Bundle PBD Primary Bundle ATA Airave ATA 4GC 4G Clearwire UNI Universal VCF (Voice Control feature) BSF (Barring SOC feature) INS Insurance	3	String	LTS, M2H, M20, AFR, AFB, AIR, HPP, HPR, HPB, HPC, WEL, VBS, ACV, HP1, HP2, WMX, SBD, PBD, ATA, 4GC, UNI, VCF, BSF INS	

2.2.1.5 expiredAddOnSocList

Field Name	Description	Length	Type	Values	Condition
addOnSocInfo	Structure providing detail add on soc information.	1:unbounded	Structure		Required

2.2.1.6 addonSocInfo

Field Name	Description	Length	Type	Values	Condition
soc	Feature code that was passed in the input.	1:10	String		Required

Field Name	Description	Length	Type	Values	Condition
existingSocInd	Indicates that associated option id is a feature that already exists on the subscriber associated to the request.	5	Boolean	true, false	Optional
socSequence-Number	OVM internal use only.		unsig-nedLong		Optional
effectiveDate-Time	Date soc was effective.		xs:dateTi me		Optional
expirationDa-teTime	Date soc was expired.		xs:dateTi me		Optional
socDesc	Soc description.	1:25	String		Optional
banLevelInd	True indicates that associated feature is an account level fea-ture.		Boolean		Optional
relatedOptionId	OVM use internally	1:9	String		Optional
autoUpdateInd	Indicates OVM automatically added the soc.	5	Boolean	true, false	Optional
cellularSupport-tInd	Indicates that associated feature requires a phone number re-source	5	Boolean	true, false	Optional
dispatchSup-portInd	Indicates that the associated fea-ture requires a push-to-talk re-source	5	Boolean	true, false	Optional
packetData-SupportInd	Indicates that the associated fea-ture requires a data access re-source. If 'N', no packet data support is needed. Sample values (may not be all inclusive) N – No, Y – Yes, B – (iDEN private IP), P – (iDEN public IP), C and R	1	String		Optional
cdmaPacketDa-taSupportInd	Indicates that the associated fea-ture requires a CDMA IP re-source.	5	Boolean	true, false	Optional
serviceType	OVM internal use only	1	String		Optional
autoAddInd	Indicates OVM has automatical-ly added this option		Boolean		Optional
productTypeL-ist	Structure with product definition details.		Structure		Optional
featureList	List of Structures providing fea-ture detail info.		Structure		Optional

Field Name	Description	Length	Type	Values	Condition
modifySocFea-turesInd	Indicates that the features asso-ciated with this plan need to be modified		Boolean		Optional

2.2.1.6.1   productTypeList

Field Name	Description	Length	Type	Values	Condition
productTypeIn-fo	Structure with product type in-formation	1:unboun ded	Structure		Optional

2.2.1.6.1.1   productTypeInfo

Field Name	Description	Length	Type	Values	Condition
productId	Price Plan Product Indicator Valid values are: LTS (lines to share) M2H (mobile to home) M2O (mobile to office) AFR (affinity registration) AFB (affinity benefit) AIR (airave) HPP (NDC provisioning feature) HPR (NDC rating feature) HPB (NDC rating & provision-ing feature) HPC (NDC call forwarding fea-ture) WEL (Welcome Verify) VBS (Discounted MRC Feature) ACV (Discounted MRC Feature) HP1 (NDC feature) HP2 (NDC Feature) WMX (WiMAX feature SBD Secondary Bundle PBD Primary Bundle ATA Airave ATA 4GC 4G Clearwire UNI Universal VCF (Voice Control feature) BSF (Barring SOC feature) INS Insurance		String	LTS, M2H, M2O, AFR, AFB , AIR, HPP, HPR, HPB, HPC, WEL, VBS, ACV, HP1, HP2, WMX, SBD, PBD, ATA, 4GC, UNI, VCF, BSF INS	Optional

2.2.1.6.2   featureList

Field Name	Description	Length	Type	Values	Condition
featureInfo	Structure containing information relating to a specific feature Max Occurs: 20 structures		Structure		Optional

2.2.1.6.2.1   featureInfo

Field Name	Description	Length	Type	Values	Condition
featureId	Component of the feature (option-id), For internal use only	1:6	String		Optional
featureCode	Component of the feature (option-id) , For internal use only	1:6	String		Required
featureName	Component of the feature (option-id) , For internal use only	1:6	String		Optional
featureDesc	Description of the feature component, For internal use only	1:100	String		Optional
allowedNumberRanges	Indicates maximum number of phone ranges if associated feature is a mobile to office type	1:100	unsignedInt		Optional
numberRangeSize	Indicates maximum size of the phone range if associated feature is a mobile to office type	1:10000	unsignedInt		Optional
msisdnInd	For internal use only	5	Boolean	true, false	Optional
effectiveDate	No longer used		date		Optional
expirationDate	No longer used		date		Optional
productTypeList	Structure with product definition details.		Structure		Optional

2.2.1.6.3   productTypeList

Field Name	Description	Length	Type	Values	Condition
productTypeInfo	Structure with product type information	1:unbounded	Structure		Required

2.2.1.6.3.1   productTypeInfo

Field Name	Description	Length	Type	Values	Condition
productId	Price Plan Product Indicator Valid values are: LTS (lines to share) M2H (mobile to home) M2O (mobile to office) AFR (affinity registration) AFB (affinity benefit) AIR (airave) HPP (NDC provisioning feature) HPR (NDC rating feature) HPB (NDC rating & provisioning feature) HPC (NDC call forwarding feature) WEL (Welcome Verify) VBS (Discounted MRC Feature) ACV (Discounted MRC Feature) HP1 (NDC feature) HP2 (NDC Feature) WMX (WiMAX feature SBD Secondary Bundle PBD Primary Bundle ATA Airave ATA 4GC 4G Clearwire UNI Universal VCF (Voice Control feature) BSF (Barring SOC feature) INS Insurance		String	INS	Required

2.2.1.7   expiredResourceList

Field Name	Description	Length	Type	Values	Condition
resourceInfo	Structure providing detail resource info.	1:unbounded	Structure		Required

2.2.1.7.1   resourceInfo

Field Name	Description	Length	Type	Values	Condition
resourceType	Valid values are: P (PTN or MDN) U (UFMI) H (NDC or HPPTT) I (iDEN IP) N (NAI) S (CDMA IP)	1	String	P, U, H, I, N, S	Required
ipType	Indicates the type of IP Address to request to be provisioned	1:3	String		Optional

Field Name	Description	Length	Type	Values	Condition
action	Valid values are: ADD RES DEL	3	String	ADD, RES, DEL	Required

2.2.1.8 changedSocList

Field Name	Description	Length	Type	Values	Condition
changedSocInfo	Structure providing detail add on soc information.	1:unbounded	Structure		Required

2.2.1.9 changedSocInfo

Field Name	Description	Length	Type	Values	Condition
soc	Feature code that was passed in the input.	1:10	String		Required
existingSocInd	Indicates that associated soc is a feature that already exists on the subscriber associated to the request.	5	Boolean	true, false	Optional
socSequence-Number	OVM internal use only.		Long		Optional
effectiveDate-Time	Date and time soc was effective.		xs:dateTime		Optional
expirationDa-teTime	Date and time		xs:dateTime		Optional
socDescription	Description of the SOC	1:50	String		Optional
banLevelInd	True indicates that associated feature is an account level feature.	5	Boolean	true, false	Optional
relatedSoc	Related soc	1:9	String		Optional
autoUpdateInd	Indicates OVM added the soc.	5	Boolean	true, false	Optional
cellularSupport-tInd	Indicates that associated feature requires a phone number resource	5	Boolean	true, false	Optional
dispatchSup-portInd	Indicates that the associated feature requires a push-to-talk resource	5	Boolean	true, false	Optional

Field Name	Description	Length	Type	Values	Condition
packetData-SupportInd	Indicates that the associated feature requires a data access resource. If 'N', no packet data support is needed. Sample values (may not be all inclusive) N – No, Y – Yes, B – (iDEN private IP), P – (iDEN public IP), C and R	1	String		Optional
cdmaPacketData-taSupportInd	Indicates that the associated feature requires a CDMA IP resource.	5	Boolean	true, false	Optional
serviceType	OVM internal use only	1	String		Optional
autoAddInd	Indicates OVM has automatically added this option		Boolean		Optional
productTypeList	Structure with product definition details.		Structure		Optional
featureList	Structure providing feature detail info.		Structure		Optional
modifySocFea-turesInd	Indicates that the features associated with this plan need to be modified		Boolean		Optional

2.2.1.9.1   productTypeList

Field Name	Description	Length	Type	Values	Condition
productTypeInfo	Structure with product type information	1:unbounded	Structure		Required

2.2.1.9.1.1 productTypeInfo

Field Name	Description	Length	Type	Values	Condition
productId	Price Plan Product Indicator Valid values are: LTS (lines to share) M2H (mobile to home) M2O (mobile to office) AFR (affinity registration) AFB (affinity benefit) AIR (airave) HPP (NDC provisioning feature) HPR (NDC rating feature) HPB (NDC rating & provisioning feature) HPC (NDC call forwarding feature) WEL (Welcome Verify) VBS (Discounted MRC Feature) ACV (Discounted MRC Feature) HP1 (NDC feature) HP2 (NDC Feature) WMX (WiMAX feature SBD Secondary Bundle PBD Primary Bundle ATA Airave ATA 4GC 4G Clearwire UNI Universal VCF (Voice Control feature) BSF (Barring SOC feature) INS Insurance		String		Required

2.2.1.9.2 featureList

Field Name	Description	Length	Type	Values	Condition
featureInfo	Structure containing information relating to a specific feature Max Occurs: 20 structures		Structure		Optional

2.2.1.9.3 featureInfo

Field Name	Description	Length	Type	Values	Condition
featureId	Component of the feature (option-id), For internal use only	1:6	String		Optional
featureCode	Component of the feature (option-id) , For internal use only	1:6	String		Required
featureName	Component of the feature (option-id) , For internal use only	1:6	String		Optional

Field Name	Description	Length	Type	Values	Condition
featureDesc	Description of the feature component, For internal use only	1:100	String		Optional
allowedNumberRanges	Indicates maximum number of phone ranges if associated feature is a mobile to office type	1:100	unsignedInt		Optional
numberRangeSize	Indicates maximum size of the phone range if associated feature is a mobile to office type	1:10000	unsignedInt		Optional
msisdnInd	For internal use only	5	Boolean	true, false	Optional
effectiveDate	No longer used		date		Optional
expirationDate	No longer used		date		Optional
productTypeList	Structure with product definition details.		Structure		Optional

2.2.1.9.4   productTypeList

Field Name	Description	Length	Type	Values	Condition
productTypeInfo	Structure with product type information	1:unbounded	Structure		Required

2.2.1.9.4.1 productTypeInfo

Field Name	Description	Length	Type	Values	Condition
productId	Price Plan Product Indicator Valid values are: LTS (lines to share) M2H (mobile to home) M2O (mobile to office) AFR (affinity registration) AFB (affinity benefit) AIR (airave) HPP (NDC provisioning feature) HPR (NDC rating feature) HPB (NDC rating & provision- ing feature) HPC (NDC call forwarding fea- ture) WEL (Welcome Verify) VBS (Discounted MRC Feature) ACV (Discounted MRC Feature) HP1 (NDC feature) HP2 (NDC Feature) WMX (WiMAX feature SBD Secondary Bundle PBD Primary Bundle ATA Airave ATA 4GC 4G Clearwire UNI Universal VCF (Voice Control feature) BSF (Barring SOC feature) Insurance		String		Required

2.2.1.10 legacyPlanList

Field Name	Description	Length	Type	Values	Condition
legacyPlanInfo	List of legacy plan ids	1:unbounded	Structure		Required

2.2.1.10.1 legacyPlanInfo

Field Name	Description	Length	Type	Values	Condition
pricePlanSoc	Price Plan SOC	1:10	String		Required

2.2.1.11 resourceList

Field Name	Description	Length	Type	Values	Condition
resourceInfo	Structure providing detail re- source info.	1:unbounded	Structure		Required

2.2.1.11.1 resourceInfo

Field Name	Description	Length	Type	Values	Condition
resourceType	Valid values are: P (PTN or MDN) U (UFMI) H (NDC or HPPTT) I (iDEN IP) N (NAI) S (CDMA IP)	1	String	P, U, H, I, N, S	Required
ipType	Indicates the type of IP Address to request to be provisioned	1:3	String		Optional
action	Valid values are: ADD RES DEL	3	String	ADD, RES, DEL	Required

2.2.1.12 suggestionGroupList

Field Name	Description	Length	Type	Values	Condition
suggestion-GroupInfo	Structure providing suggestion group info.	1:100	Structure		Required

2.2.1.13 suggestionGroupInfo

Field Name	Description	Length	Type	Values	Condition
suggestion-GroupId	Indicates the specific suggestion group number of the price plan soc conflict.	2	positi-veInteger		Required
conflicting-SocList	Structure providing conflicting SOC info.	1:20	Structure		Required
conflictSoc-DescList	Description of the error message associated with the plan or Soc conflict.	1:100	String		Required
suggestionList	Provides detail info for suggested actions to resolve the conflict	1:100	Structure		Required

2.2.1.13.1 conflictionSocList

Field Name	Description	Length	Type	Values	Condition
conflictingSo-cInfo	Structure providing conflicting soc info.	1:20	Structure		Required

2.2.1.13.2   conflictingSocInfo

Field Name	Description	Length	Type	Values	Condition
Soc	soc	1:10	String		Required

2.2.1.13.3   conflictingSocDescList

Field Name	Description	Length	Type	Values	Condition
conflicting-SocDescInfo	Structure providing conflicting soc info.	1:100	Structure		Required

2.2.1.13.4   conflictingSocDescInfo

Field Name	Description	Length	Type	Values	Condition
conflictDesc			String		Required

2.2.1.13.5   suggestionList

Field Name	Description	Length	Type	Values	Condition
suggestionInfo	Structure providing conflict reso-lutin suggestions	1:100	Structure		Required

2.2.1.13.6   suggestionInfo

Field Name	Description	Length	Type	Values	Condition
suggestionId	Indicates the suggestion number of the available suggestion for the PP/SOC conflict in the Service Validation Response	2	positi-veInteger		Required
actionList	List of proposed actions to re-solve conflicts	1:100	Structure		Required

2.2.1.14 actionList

Field Name	Description	Length	Type	Values	Condition
actionInfo	Structure providing action info to resolve conflicts.	1:100	Structure		Required

2.2.1.15 actionInfo

Field Name	Description	Length	Type	Values	Condition
type	Action type	1:10	String	ADD, EXPIRE	Required
pricePlanList	price plan list		Structure		Optional

Field Name	Description	Length	Type	Values	Condition
socList	soc list		Structure		Optional

2.2.1.16 pricePlanList

Field Name	Description	Length	Type	Values	Condition
pricePlanInfo	Price plan info	1:unbounded	Structure		Required

2.2.1.16.1.1 pricePlanInfo

Field Name	Description	Length	Type	Values	Condition
priceplanSoc	Plan code.	1:10	String		Required
socdesc	Plan Name	1:50	String		Optional
socLongDesc	Plan description	1:1000	String		Required
planCategory	Plan category	1:25	String		Optional
banLevelPlanInd	Indicates associated plan id is an account level price plan, for internal use only	5	Boolean	true, false	Optional
cellularSupportInd	Indicates that associated soc requires a phone number resource	5	Boolean	true, false	Optional
dispatchSupportInd	Indicates that the associated soc requires a push-to-talk resource	5	Boolean	true, false	Optional
packetDataSupportInd	Indicates that the associated soc requires a data access resource. If 'N', no packet data support is needed. Sample values (may not be all inclusive) N – No, Y – Yes, B – (iDEN private IP), P – (iDEN public IP), C and R	1	String		Optional
cdmaPacketDataSupportInd	Indicates that the associated soc requires a CDMA IP resource.	5	Boolean	true, false	Optional
recurringcharge	price plan recurring charge		Decimal		Optional
recurringchargeList	List of recurring charges		Structure		Optional
oneTimeCharge	Indicates the amount of an applicable one time charge in order to select the associated price plan		Decimal		Optional
planPriority	Can be optionally used to determine sorting order of the price plans returned		positiveInteger		Required

Field Name	Description	Length	Type	Values	Condition
dataAllowance	Data allowance	1:20	String		Required
sequence-Number	For OVM Internal Use only		positi-veInteger		Required
planTypeInfo	Structure providing plan type info		Structure		Optional
contractMonths	Indicates if the associated price plan requires a 0, 12, or 24 month service agreement if selected	1:2	String	0, 12, 24	Required
allowedNum-berRanges	Indicates maximum number of phone ranges if associated price plan is a mobile to office type	1:100	unsigne-dInt		Optional
numberRangeS-ize	Indicates maximum size of the phone range if associated price plan is a mobile to office type	1:10,000	unsigne-dInt		Optional
taxExclusive	For OVM internal use only.		String		Optional
productTypeL-ist	Structure providing product definition information.		Structure		Optional
corpRequire-dInd	Indicates if the associated price plan is required to be chosen because of the corp gov id provided in the Plans Request. Valid values include Y and N	5	Boolean	true, false	Optional
planEquivalen-tInd	Indicates if associated price plan is the technology equivalent (based on brand-type) of the subscriber's existing plan. Valid values include Y and N	1	String	Y, N	Optional
affinityInfo	Structure providing affinity detail information		Structure		Optional
detailPlanInfo	Structure providing detail plan information		Structure		Required
featureInfo	Structure providing feature detail info.		Structure		Optional
relatedSocInfo	Structure providing included SOC information.		Structure		Optional

2.2.1.16.1.2 ItsRecurringChargeList

Field Name	Description	Length	Type	Values	Condition
maxSubscriber-sAllowed	Indicates the maximum number of subscribers that can share the associated sharing price plan		positi-veInteger		Required

Field Name	Description	Length	Type	Values	Condition
ltsRecurring-ChargeInfo	Family plan recurring charge info	1:unbounded	Structure		Required

2.2.1.16.1.3 ltsRecurringChargeInfo

Field Name	Description	Length	Type	Values	Condition
rank	Rank of subscriber within family plan.		positiveInteger		Required
recurring-Charge	Recurring charge of associated family plan ranked subscriber		Decimal		Required

2.2.1.16.2 planTypeInfo

Field Name	Description	Length	Type	Values	Condition
nationalPlanInd	Y indicates the price plan is a national plan	5	Boolean	true, false	Optional
addOnPlanIned	Y indicates the price plan is an add-on sharing plan	5	Boolean	true, false	Optional
familyPlanInd	Y indicates the price plan is a sharing plan.	5	Boolean	true, false	Optional
regionalPlanInd	Y indicates the price plan is a regional plan.	5	Boolean	true, false	Optional
promotional-PlanInd	Y indicates the price plan is a promotional plan	5	Boolean	true, false	Optional
legacyPlanInd	P indicates that the price plan is a Primary legacy sharing plan and A indicates that the plan is a Add-on secondary price plan.	5	Boolean	true, false	Optional

2.2.1.16.2.1 affinityInfo

Field Name	Description	Length	Type	Values	Condition
affinityRegi-stratinSoc	Affinity plan	1:9	String		Required
affinityName	Name of the affinity		String		Required
affinityAttribu-teList	Affinity Attribute Structure		Structure		Optional

2.2.1.16.2.2 affinityAtributeList

Field Name	Description	Length	Type	Values	Condition
affinityAttributeInfo	Affinity AttributeInfo		Structure		Required

2.2.1.16.2.2.1 Element

Field Name	Description	Length	Type	Values	Condition
name	Affinity Attribute name	1:30	String		Required
code	Affinity Attribute code	1:7	String		Required
type	C = Character, one char only. N = Integer. T = Date, with format MM/dd/yyyy D = Date & Time with format MM/dd/yyyy HH:mm:ss M = Decimal, meaning has exactly 2 digits after the decimal digit (3.25, 1.99, 19999.33 etc.) S = String.	1	String	C, N, T, D, M, S	Optional
length	Length of affinity attribute	1:4	Integer		Optional
requiredInd	Valid values are: Y (Required) and N (Optional)	5	Boolean	true, false	Optional
mask	The mask of the affinity attribute	0:64	String		Optional
pattern	Valid values are: Number = #### Decimal(2) = ##,###.## String = !!! String = ^^^^ String = ### String = aaaa String = XXXXXX Char = All String formats Date = mm/dd/yyyy Datetime = mm/dd/yyyy HH:mm:ss	0:100	String		Optional
value	Contains the default value for the attribute that may or may not be editable based on the editable tag.	0:200	String		Optional
editableInd	Valid values are: Y (Editable) and N (Not Editable)	5	Boolean	true, false	Optional

2.2.1.16.3 detailPlanInfo

Field Name	Description	Length	Type	Values	Condition
totalMinutes	Indicates the total number of minutes the associated price plan includes		Integer		Required
anytimeMinutes	Indicates the total number of anytime minutes the associated price plan includes		Integer		Required
nightWee-kendMinutes	Indicates the total number of night and weekend minutes the associated price plan includes	1:50	String		Required
extraAnytime-MinutesCharge	The per-minute overage charge that is assessed when anytime minutes have been exhausted in a single billing period		Decimal		Required
longDistance-Charge	The per-minute long distance charge.		Decimal		Required
unitSmsCharge	Charge for SMS messaging if not included in plan or optional feature		Decimal		Required
callForwar-dingChargeRate	Charge to setup call forwarding with cell phone number		Decimal		Required
etf	The early termination fee asso-ciated with this price plan		Decimal		Required
m2mMinutes	Included mobile-to-mobile mi-nutes		Integer		Required
intlChargePer-Minute	The per-minute international charge		Decimal		Required
roamingCharge	The per-minute roaming charge		Decimal		Required
averageCharge			Decimal		Required
nationalRoa-mingcharge	The per minute national roaming charge		Decimal		Required
longDistance-Minutes	Number of long distance minutes included		Integer		Required
intlRoaming-Charge	The per-minute international roaming charge		Decimal		Required
billingIncre-ment	Indicates the increment the re-curring charge occurs	1:30	String		Required
wirelessInter-netChargeRate	Data charge rate		Decimal		Required
numericPa-gingChargeRate	n/a		Decimal		Required

Field Name	Description	Length	Type	Values	Condition
faxDataChar-geRate	n/a		Decimal		Required
familyMinutes	Number of sharing minutes included		Decimal		Required
airtimeRate	n/a		Decimal		Required
walkieTalkie-Minutes	Number of Direct Connect minutes included		Decimal		Required
walkieTalkieO-verageCharge-Rate	Overage charge rate for Direct Connect usage		Decimal		Required
nationwideDc-ChargeRate	N/a		Decimal		Optional

2.2.1.16.3.1 featureList

Field Name	Description	Length	Type	Values	Condition
featureInfo	Feature detail structure		Structure		Required

2.2.1.16.3.2 featureInfo

Field Name	Description	Length	Type	Values	Condition
featureId	Component of the feature (option-id), For internal use only	1:6	String		Optional
featureCode	Component of the feature (option-id) , For internal use only	1:6	String		Optional
featureName	Component of the feature (option-id) , For internal use only	1:6	String		Optional
featureDesc	Description of the feature component, For internal use only	Min: 1 Max: 100	String		Optional
allowedNum-berRanges	Indicates maximum number of phone ranges if associated feature is a mobile to office type	Min: 1 Max: 100	unsigne-dInt		Optional
numberRangeS-ize	Indicates maximum size of the phone range if associated feature is a mobile to office type	Min: 1 Max: 10000	unsigne-dInt		Optional
msisdnInd	For internal use only	5	Boolean	true, false	Optional
effectiveDate-Time	no longer used		dateTime		Optional
expirationDa-teTime	no longer used		dateTime		Optional

Field Name	Description	Length	Type	Values	Condition
productTypeL-ist	Structure with product definition details.		Structure		Optional

2.2.1.16.4 productTypeList

Field Name	Description	Length	Type	Values	Condition
productTypeIn-fo	Structure with product type in-formation	1:unbounded	Structure		Optional

2.2.1.16.4.1 productTypeInfo

Field Name	Description	Length	Type	Values	Condition
productId	Price Plan Product Indicator Valid values are: LTS (lines to share) M2H (mobile to home) M2O (mobile to office) AFR (affinity registration) AFB (affinity benefit) AIR (airave) HPP (NDC provisioning feature) HPR (NDC rating feature) HPB (NDC rating & provision-ing feature) HPC (NDC call forwarding fea-ture) WEL (Welcome Verify) VBS (Discounted MRC Feature) ACV (Discounted MRC Feature) HP1 (NDC feature) HP2 (NDC Feature) WMX (WiMAX feature SBD Secondary Bundle PBD Primary Bundle ATA Airave ATA 4GC 4G Clearwire UNI Universal VCF (Voice Control feature) BSF (Barring SOC feature) INS Insurance	3	String	LTS, M2H, M2O, AFR, AFB , AIR, HPP, HPR, HPB, HPC, WEL, VBS, ACV, HP1, HP2, WMX, SBD, PBD, ATA, 4GC, UNI, VCF, BSF INS	Optional

2.2.1.17 relatedsocList

Field Name	Description	Length	Type	Values	Condition
relatedSocInfo	Provides detail related soc info.		Structure		Optional

2.2.1.18 relatedSocInfo

Field Name	Description	Length	Type	Values	Condition
soc	Soc code.	1:10	String		Required
socDesc	Soc name	1:50	String		Required
socLongDesc	Plan Description	1:1000	String		Required
banLevelInd	Indicates that the associated price plan is an account level price plan	5	Boolean	true, false	Optional
allowedNumberRanges	Indicates maximum number of phone ranges if associated price plan is a mobile to office type	1:100	unsignedInt		Optional
numberRangeSize	Indicates maximum size of the phone range if associated price plan is a mobile to office type	1:10,000	unsignedInt		Optional
productTypeList	Structure with product definition details.	1:unbounded	Structure		Optional

2.2.1.18.1 productTypeList

Field Name	Description	Length	Type	Values	Condition
productTypeInfo	Structure with product type information	1:unbounded	Structure		Optional

2.2.1.18.2 productTypeInfo

Field Name	Description	Length	Type	Values	Condition
productId	Product id. Valid values are: LTS (lines to share) M2H (mobile to home) M2O (mobile to office) AFR (affinity registration) AFB (affinity benefit) AIR (airave) HPP (NDC provisioning feature) HPR (NDC rating feature) HPB (NDC rating & provisioning feature) HPC (NDC call forwarding feature) WEL (Welcome Verify) VBS (Discounted MRC Feature) ACV (Discounted MRC Feature) HP1 (NDC feature) HP2 (NDC Feature) WMX (WiMAX feature SBD Secondary Bundle PBD Primary Bundle ATA Airave ATA 4GC 4G Clearwire UNI Universal VCF (Voice Control feature) BSF (Barring SOC feature) INS Insurance	3	String	LTS, M2H, M20, AFR, AFB, AIR, HPP, HPR, HPB, HPC, WEL, VBS, ACV, HP1, HP2, WMX, SBD, PBD, ATA, 4GC, UNI, VCF, BSF INS	Required

2.2.1.19 socList

Field Name	Description	Length	Type	Values	Condition
socInfo	Soc Info	1:unbounded	Structure		Required

2.2.1.19.1 socInfo

Field Name	Description	Length	Type	Values	Condition
soc	Soc code.	1:10	String		Required
socdesc	Soc Name	1:50	String		Optional
socLongDesc	Soc description	1:1000	String		Required
banLevelOptionInd	Indicates associated plan id is an account level price plan, for internal use only	5	Boolean	true, false	Optional
cellularSupportInd	Indicates that associated soc requires a phone number resource	5	Boolean	true, false	Optional
dispatchSupportInd	Indicates that the associated soc requires a push-to-talk resource	5	Boolean	true, false	Optional
packetDataSupportInd	Indicates that the associated soc requires a data access resource. If 'N', no packet data support is needed. Sample values (may not be all inclusive) N – No, Y – Yes, B – (iDEN private IP), P – (iDEN public IP), C and R	1	String		Optional
cdmaPacketDataSupportInd	Indicates that the associated soc requires a CDMA IP resource.	5	Boolean	true, false	Optional
recurringcharge	price plan recurring charge		Decimal		Optional
recurringchargeList	List of recurring charges		Structure		Optional
oneTimeCharge	Indicates the amount of an applicable one time charge in order to select the associated price plan		Decimal		Optional
mutuallyExclusiveInd	Indicates is mutually exclusive	5	Boolean	true, false	Optional
contractMonths	Indicates if the associated price plan requires a 0, 12, or 24 month service agreement if selected	1:2	String	0, 12, 24	Required
allowedNumberRanges	Indicates maximum number of phone ranges if associated price plan is a mobile to office type	1:100	unsignedInt		Optional
numberRangeSize	Indicates maximum size of the phone range if associated price plan is a mobile to office type	1:10,000	unsignedInt		Optional
productTypeList	Structure providing product definition information.		Structure		Optional

Field Name	Description	Length	Type	Values	Condition
corpRequire-dInd	Indicates if the associated price plan is required to be chosen because of the corp gov id provided in the Plans Request	5	Boolean	true, false	Optional
socEquivalen-tInd	Indicates if associated price plan is the technology equivalent (based on brand-type) of the sub-scriber's existing plan.	5	Boolean	true, false	Optional
sourceSoc	source Soc	1:9	String		Optional
affinityInfo	Structure providing affinity detail information		Structure		Optional
socCategory	Soc category	1:25	String		Optional
featureList	Structure providing feature detail info.		Structure		Optional

2.2.1.19.2 productTypeList

Field Name	Description	Length	Type	Values	Condition
productTypeInfo	Structure with product type information	1:unbounded	Structure		Optional

2.2.1.19.3 productTypeInfo

Field Name	Description	Length	Type	Values	Condition
productId	Product id. Valid values are: LTS (lines to share) M2H (mobile to home) M2O (mobile to office) AFR (affinity registration) AFB (affinity benefit) AIR (airave) HPP (NDC provisioning feature) HPR (NDC rating feature) HPB (NDC rating & provisioning feature) HPC (NDC call forwarding feature) WEL (Welcome Verify) VBS (Discounted MRC Feature) ACV (Discounted MRC Feature) HP1 (NDC feature) HP2 (NDC Feature) WMX (WiMAX feature SBD Secondary Bundle PBD Primary Bundle ATA Airave ATA 4GC 4G Clearwire UNI Universal VCF (Voice Control feature) BSF (Barring SOC feature) Insurance	3	String	LTS, M2H, M20, AFR, AFB, AIR, HPP, HPR, HPB, HPC, WEL, VBS, ACV, HP1, HP2, WMX, SBD, PBD, UNI, VCF, BSF, ATA, 4GC, INS	Required

2.2.1.19.3.1 affinityInfo

Field Name	Description	Length	Type	Values	Condition
affinityRegi-stratinSoc	Affinity plan	1:10	String		Required
affinityName	Name of the affinity		String		Required
affinityAttribu-teList	Affinity Attribute Structure		Structure		Optional

2.2.1.19.3.2 affinityAttributeList

Field Name	Description	Length	Type	Values	Condition
affinityAttribu-teInfo	Affinity AttributeInfo		Structure		Required

2.2.1.19.3.2.1 affinityAttributeInfo

Field Name	Description	Length	Type	Values	Condition
name	Affinity Attribute name		String		Required
code	Affinity Attribute code		String		Required
type	C = Character, one char only. N = Integer. T = Date, with format MM/dd/yyyy D = Date & Time with format MM/dd/yyyy HH:mm:ss M = Decimal, meaning has exactly 2 digits after the decimal digit (3.25, 1.99, 19999.33 etc.) S = String.		String	C, N, T, D, M, S	Optional
length	Length of affinity attribute		Integer		Optional
requiredInd	Valid values are: Y (Required) and N (Optional)	5	Boolean	true, false	Optional
mask	The mask of the affinity attribute		String		Optional
pattern	Valid values are: Number = #### Decimal(2) = ##,###.## String = !!! String = ^^^^ String = ### String = aaaa String = XXXXXX Char = All String formats Date = mm/dd/yyyy Datetime = mm/dd/yyyy HH:mm:ss		String		Optional
value	Contains the default value for the attribute that may or may not be editable based on the editable tag.		String		Optional
editableInd	Valid values are: Y (Editable) and N (Not Editable)	5	Boolean	true, false	Optional

2.2.1.19.3.3 featureList

Field Name	Description	Length	Type	Values	Condition
featureInfo	Feature detail structure		Structure		Required

2.2.1.19.3.4 featureInfo

Field Name	Description	Length	Type	Values	Condition
featureId	Component of the feature (option-id), For internal use only	1:6	String		Optional
featureCode	Component of the feature (option-id) , For internal use only	1:6	String		Optional
featureName	Component of the feature (option-id) , For internal use only		String		Optional
featureDesc	Description of the feature component, For internal use only	Min: 1 Max: 100	String		Optional
allowedNumberRanges	Indicates maximum number of phone ranges if associated feature is a mobile to office type	Min: 1 Max: 100	unsignedInt		Optional
numberRangeSize	Indicates maximum size of the phone range if associated feature is a mobile to office type	Min: 1 Max: 10000	unsignedInt		Optional
msisdnInd	For internal use only	5	Boolean	true, false	Optional
effectiveDateTime	no longer used		dateTime		Optional
expirationDateTime	no longer used		dateTime		Optional
productTypeList	Structure with product definition details.		Structure		Optional

2.2.1.20 validationErrorInfo

Field Name	Description	Length	Type	Values	Condition
errorCode	Identifies the OVM error code		Integer		Required
errorSubName	Identifies the OVM error sub name	100	String		Optional
errorDescription	Description of the OVM error	1000	String		Optional

3 Error Information

Sprint's approach to error handling is to maximize transparency for all exceptional condi-tions and minimize the occurrence of "under the radar" errors, thus encouraging im-proved data quality and rapid error resolution. In support of this philosophy, all excep-tional or out-of-band responses, including error responses for Sprint's Web Services will be returned as SOAP Faults conforming to the SOAP 1.1 specification.

SOAP 1.1 allows for customization of the details element to carry implementation-specific fault information. The XML schema ErrorDetails.xsd defines the customization used by Sprint and is also presented in this document.

SOAP 1.1 defines a required fault code element that is used to communicate the codified error. The spec also defines four major fault code categories that can be extended by ap-plications using a dot-delimited format. These are major fault code categories are:

- VersionMismatch
- MustUnderstand
- Client
- Server

The WS-I Basic Profile 1.1 restricts this extension capability by disallowing use of the dot-delimited notation for the faults in the soapenv namespace (http://schemas.xmlsoap.org/soap/envelope/). The Basic Profile does, however, allow for the use of dot-delimited faultcodes provided that the fault codes are NOT in the soapenv namespace.

There are a number of SOAP Faults commonly returned from Sprint's Web Services Ga-teway. These are generally configuration issues and usually easily resolved.

Code	Message	Description	Action
env:Client	Rejected by Policy	Rejected by Policy (from client)	Ensure that the request Soap message is signed with the certificate that was used during the beta integration and that any additional authentication fields (if required) are populated correctly. If yes, then contact your EWS contact.
General	Internal error	Internal errors may be due to various reasons such as a schema va-lidation error or due to an outage.	Ensure that the correct service URL is being uti-lized. If so contact your EWS contact.

3.1 Service-Specific Errors

This interface can generate standard SOAP exceptions as defined by the SOAP specification. See example below:

Name	Values	Details	Descriptions
Faultcode	Fault code, e.g. "Client.804	20	String
Faultstring	Fault reason text e.g., "Server 804: System Exception".	100	String
Faultactor	Shall have the MessageNumber returned from Amdocs for an exception	10	String
Detail	Contains the error detail text.	n/a	Structure

In addition, the service itself can also generate certain exceptions that will be communicated via the SOAP Fault construct. The fault string/Text is dependent on the exact error encountered.

Code	Message	Description
Client.701	Data not found	Used only in cases where the data specifically requested by the front end is not found. If some other data is not found while performing an ancillary query as part of the API logic, It will throw Server.704 or simply return successfully without returning the elements associated with the query.
Server.702	Database error	Used when an error (e.g., an ORA-* exception) from a database access is received.
Server.703	Multiple records found	Used when multiple records are found when only one is expected.
Server.704	Application processing error	Used for application processing errors as well as most backend exceptions.
Client.705	Input validation error	Includes XSD schema errors as well as code-checked validations.
Server.706	Output validation error	Includes response XSD schema errors. Response could be generated by the backend or internal system
Client.707	Security validation error	Authentication or Authorization validation has failed
Server.803	Internal database error	Reserved for database connectivity / timeout issues.
Server.804	Communication error	Reserved for backend system connectivity / timeout issues.
Server.805	Service unavailable; experiencing high load	The transaction could not be completed due to high volume experienced by the receiving service.

3.2 API Specific Errors

{Add any error condition specific to this API here}

4 WSDL Information

The following table lists the environments and the corresponding URL location of this of Web Service

Environment	Description
Production	https://webservicesgateway.sprint.com:444/services/wireless/account/QueryPlansAndOptionsService/v1?wsdl
Test RTB1	https://webservicesgatewaytest.sprint.com:444/rtb1/services/wireless/account/QueryPlansAndOptionsService/v1?wsdl
Test RTB2	https://webservicesgatewaytest.sprint.com:444/rtb2/services/wireless/account/QueryPlansAndOptionsService/v1?wsdl

5 Definitions and Acronyms

Term	Definition
XML	eXtensible Markup Language
SOAP	Simple Object Access Protocol
WSDL	Web Service Description Language
XSD	Xml Schema Definition
UDDI	Universal Description, Discovery and Integration
WSM	Web Services Management Platform
EWS	Enterprise Web Services Team
Client	The users of Sprint's Web Services, either Business Customers or Partners and Resellers

6 References

This guide assumes that the reader is conversant with XML, WSDL, SOAP and HTTP specifications. It further assumes a basic knowledge of either Java or Microsoft's.Net web service technologies. The following links provide useful background knowledge of the Web Service standards:

Term	Definition
Apache Axis 1.x, 2.x	http://ws.apache.org/axis/
HTTP	http://www.w3.org/Protocols/rfc2616/rfc2616.htm
SOAP 1.1	http://www.w3.org/TR/2000/NOTE-SOAP-20000508/
WSDL 1.1	http://www.w3.org/TR/2001/NOTE-wsdl-20010315
Web Services Security 1.0	http://www.oasis-open.org/committees/tc_home.php?wg_abbrev=wss
XML 1.1	http://www.w3.org/TR/xml11/
XML Schema 1.1	http://www.w3.org/XML/Schema
XML Schema Definition	http://www.w3.org/2001/XMLSchema.xsd

7 Feedback

Please email to WebServices@sprint.com for feedback. We are trying to make our online user guides as complete, error free, and easy to read as possible. You can help by giving us your feedback. Thank you!