



Sprint Web Services User Guide

QueryPlansAndOptions Service

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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
07/08/2011	1.0	Initial Version	Fernando C Filho
09/29/2011	1.1	Included sample request and response XMLs for all operations Included RTB1 WSDL URL	Fernando C Filho
02/07/2012	1.2	QueryAvailablePlans - Updated description of packetDataSupportInd field. QuerySubscriberAdditionalServicesInfo - Added back in pricePlanInfo to the request, added soc field to response substructures, made both fields in the optional numberRangeInfo structure required	Fernando C Filho
02/17/2012	1.3	QuerySubscriberAdditionalServicesInfo - Changed 4 indicators in optional HPPTT info on the response to required	Fernando C Filho
02/17/2012	1.4	ValidatePlansAndOptions - Updated description of packetDataSupportInd field. - Updated description of brandCode field to state required for iDen devices - Changed dataSocInd and messagingSocInfo to optional - Change Response field maxLtsSubscribers to maxSubscribersAllowed to be in sync with the schema.	Fernando C Filho
03/25/2012	1.5	QueryAvailableOptions - Updated packetDataSupportInd description QueryAvailablePlans - Updated packetDataSupportInd description	Fernando C Filho
04/30/2012	1.6	ValidatePlansAndOptions - Fixed typo for callingApplicationInfo	Fernando C Filho

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1 Service Overview

The QueryPlansAndOptions Service include the following operations:

Operation	Description
QueryAvailableEquipmentServices	Returns the list of eligible SOC's and protection type for the device
QueryAvailableOptions	Provides the ability to retrieve options that are available for assignment to a new or an existing subscription
QueryAvailablePlans	Retrieve plans available for assignment to a new or an existing subscription.
QuerySubscriberAdditionalServicesInfo	Provides the calling applications with required data related to many services.
ValidatePlansAndOptions	Provides the ability to validate transactions involving adding or deleting plans and attachables

2 Web Service Operation Details

The QueryPlansAndOptions Service contains the following operations:

- [QueryAvailableEquipmentServices](#)
- [QueryAvailableOptions](#)
- [QueryAvailablePlans](#)
- [QuerySubscriberAdditionalServicesInfo](#)
- [ValidatePlansAndOptions](#)

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>`).

2.1 QueryAvailableEquipmentServices

Front end can use this API to determine which devices are eligible for which types of equipment protection services (ie TEP, ERSP, etc) API can handle one device per call. The API will return the list of eligible SOCs and protection type for the device.

If subscriberId, subscriberAddOnSocList and accountAddOnSocList are provided in the request, this API will return the existing equipment protection service for the subscriber and the available equipment protection services for the new device (device swap).

If there are no available services for the device, an empty list will be returned. If the device has been deemed ineligible for equipment protection services due to a business rule, the errorList will be populated on the response with an errorCode and a displayable errorMessage describing the business rule.

2.1.1 Input Parameters

The input request to QueryAvailableEquipmentServices API consists of two parts, the WSMessagesHeader V2 and the request data structure

trackingMessageHeader

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.

info

Name	Details	Descriptions
accountInfo	Required	Account information
subscriberId	Optional	Subscriber Identifier Note: Required on Device Swap requests
deviceInfo	Required	Device information Note: Provide New Device info on Device Swap requests
susbscriberAddOnSocList	Optional	List of existing subscriber level SOC's Note: Required on Device Swap requests
accountAddOnSocList	Optional	List of existing account level SOC's Note: Required on Device Swap requests

accountInfo

Name	Details	Descriptions
accountType	Required	Type of account
accountSubType	Required	Subtype of account

deviceInfo

Name	Details	Descriptions
serialType	Required	Serial Type – Indicates the type of the Equipment ID. (deviceType) Values: A – MAC ID E – ESN I – IMEI M - MSN S – SIM
itemId	Required	Item Identifier (SKU)

susbscriberAddOnSocList

Name	Details	Descriptions
socInfo	Optional	Add On Soc Information

socInfo

Name	Details	Descriptions
socCode	Required	SOC code

accountAddOnSocList

Name	Details	Descriptions
socInfo	Optional	Add On Soc Information

socInfo

Name	Details	Descriptions
socCode	Required	SOC code
socLevelCode	Required	SOC level code Value of 'B' means it is binding and it is inherited by subscriber. Also for SOC Level code 'B', the subscriber can not remove it from its agreement. Value of 'C' means it is not binding. 'C' also means that if this soc is attached at ban level subscriber will inherit it but can remove it from their agreement.

2.1.2 Output Parameters

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

queryAvailableEquipmentServicesResponse

Name	Details	Descriptions
equipmentProtectionList	Optional	List of equipmentProtectionInfo structures. This will be populated if services are available for the account.
existingEquipmentProtectionList	Optional	Currently effective Equipment protection services for the subscriber: Note: Only returned when subscriberId is provided in the request (Device Swap)
errorList	Optional	List of error messages. Will be populated if the requester is barred from equipment services because of a business rule (such as device type is not qualified to subscriber to equipment protection services)

equipmentProtectionList

Name	Details	Descriptions
equipmentProtectionInfo	Required	Information regarding the equipment protection available.

equipmentProtectionInfo

Name	Details	Descriptions
availableType	Required	Type of equipment protection available. Currently TEP, ERSP, or ERP.
categoryLevel	Required	Equipment protection category level
socList	Required	List of available SOC's related to the equipment protection type

socList

Name	Details	Descriptions
socInfo	Required	Structure containing Soc Information

socInfo

Name	Details	Descriptions
socCode	Required	Available SOC code

errorInfoList

Name	Details	Descriptions
errorInfo	Required	Information regarding an error thrown by the business rules application

errorInfo

Name	Details	Descriptions
errorCode	Required	Error code
errorMessage	Optional	Displayable error message

existingEquipmentProtectionList

Name	Details	Descriptions
existingEquipmentProtectionInfo	Required	Structure containing existing Equipment protection Info

existingEquipmentProtectionInfo

Name	Details	Descriptions
type	Required	Type of equipment protection available. Currently TEP, ERSP, or ERP.
categoryLevel	Required	Equipment protection equipment level
socCode	Required	Available SOC code
banLevelInd	Required	Indicate if the Equipment Protection Soc is a Account level Soc.

2.1.3 Sample Request Message

```
<soapenv:Envelope
  xmlns:soapenv = "http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:v2 = "http://integration.sprint.com/common/header/WSMessageHeader/v2"
  xmlns:quer =
    "http://integration.sprint.com/interfaces/queryAvailableEquipmentServices/v1/queryAvailableEquipmentSe
    rvices.xsd">
  <soapenv:Header>
    <wsMessageHeader xmlns = "http://integration.sprint.com/common/header/WSMessageHeader/v2">
      <trackingMessageHeader>
        <applicationId>7UL</applicationId>
        <applicationUserId>7UL</applicationUserId>
        <consumerId>7UL</consumerId>
        <messageId>1001</messageId>
        <conversationId>1001</conversationId>
        <timeToLive>123</timeToLive>
        <messageDateTimeStamp>2011-04-04T00:16:15.587-05:00</messageDateTimeStamp>
      </trackingMessageHeader>
      <securityMessageHeader/>
    </wsMessageHeader>
  </soapenv:Header>
  <soapenv:Body>
    <quer:queryAvailableEquipmentServices>
      <quer:accountInfo>
        <quer:accountType>I</quer:accountType>
        <quer:accountSubType>I</quer:accountSubType>
      </quer:accountInfo>
      <quer:deviceInfo>
        <quer:serialType>M</quer:serialType>
        <quer:itemId>364VLQ5MX4</quer:itemId>
      </quer:deviceInfo>
    </quer:queryAvailableEquipmentServices>
  </soapenv:Body>
</soapenv:Envelope>
```

2.1.4 Sample Response Message

```
<SOAP-ENV:Envelope
  xmlns:SOAP-ENC = "http://schemas.xmlsoap.org/soap/encoding/"
  xmlns:SOAP-ENV = "http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd = "http://www.w3.org/2001/XMLSchema"
  xmlns:xsi = "http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Header>
    <m:wsMessageHeader xmlns:m =
"http://integration.sprint.com/common/header/WSMessageHeader/v2">
      <m:trackingMessageHeader>
        <m:applicationId>7UL</m:applicationId>
        <m:applicationUserId>test</m:applicationUserId>
        <m:consumerId>7UL</m:consumerId>
        <m:messageId>123</m:messageId>
        <m:conversationId/>
        <m:timeToLive>0</m:timeToLive>
        <m:replyCompletionCode>0</m:replyCompletionCode>
        <m:messageDateTimeStamp>2011-09-29T16:50:24-05:00</m:messageDateTimeStamp>
      </m:trackingMessageHeader>
    </m:wsMessageHeader>
  </SOAP-ENV:Header>
  <SOAP-ENV:Body>
    wsu:Id = "Body-32530141-2f9d-4260-b6e5-54a5f4f68406"
    xmlns:wsu = "http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
      <tns1:queryAvailableEquipmentServicesResponse xmlns:tns1 =
"http://integration.sprint.com/interfaces/queryAvailableEquipmentServices/v1/queryAvailableEquipmentSe
rvices.xsd">
        <tns1:equipmentProtectionList>
          <tns1:equipmentProtectionInfo>
            <tns1:availableType>ERP</tns1:availableType>
            <tns1:socList>
              <tns1:socCode>ERP</tns1:socCode>
            </tns1:socList>
          </tns1:equipmentProtectionInfo>
          <tns1:equipmentProtectionInfo>
            <tns1:availableType>ESRP</tns1:availableType>
            <tns1:socList>
              <tns1:socCode>ESRP</tns1:socCode>
            </tns1:socList>
          </tns1:equipmentProtectionInfo>
          <tns1:equipmentProtectionInfo>
            <tns1:availableType>TEP</tns1:availableType>
            <tns1:socList>
              <tns1:socCode>TEP</tns1:socCode>
            </tns1:socList>
          </tns1:equipmentProtectionInfo>
        </tns1:equipmentProtectionList>
        <tns1:errorInfoList/>
      </tns1:queryAvailableEquipmentServicesResponse>
    </SOAP-ENV:Body>
  </SOAP-ENV:Envelope>
```

2.2 QueryAvailableOptions

This API provides the ability to retrieve options that are available for assignment to a new or an existing subscription.

2.2.1 Input Parameters

The input request to QueryAvailableOptions API consists of two parts, the WSMMessageHeader V2 and the request data structure

trackingMessageHeader

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 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.

queryAvailableOptionsRequest

Name	Details	Descriptions
callingApplicationDataInfo	Required	Structure providing information regarding the calling front end
searchCriteria	Choice	Structure providing the criteria in which to search by.
searchBySocList	Choice	List of 1 to 10 searchBySoc structures

callingApplicationDataInfo

Name	Details	Descriptions
pin	Required	Combination of vendorCode and pin is used to differentiate the calling system (channel).
vendorCode	Required	Combination of vendorCode and pin is used to differentiate the calling system (channel).
orderId	Optional	Activation Order Identifier uniquely identifies an Activation Order.
storeId	Optional	Identifies store for reporting purposes.
associateId	Optional	Identifies associate for reporting purposes.
brandCode	Optional	S-Sprint N-Nextel If not sent, will be defaulted to 'S'

searchCriteria

Name	Details	Descriptions
banInfo	Required	Structure containing customer's account information.
serviceAreaInfo	Required	Structure containing customer's activation zip code. This is required if the CSA or submarket is not provided.
orderInfo	Required	Structure containing customer's device information.
pricePlanInfo	Optional	Structure containing customer's plan information.
deviceInfo	Optional	Structure containing customer's device information.

banInfo

Name	Details	Descriptions
ban	Conditional	Ensemble Billing Account Number. Required for existing customers and if the MDN is not provided.
mdn	Conditional	MDN of the customer if they havn an active account. Required for existing customers and if the BAN is not provided.
customerTypeDesc	Conditional	Specifies customer type if account type and sub type are not provided.

		Valid values: INDIVIDUAL BUSINESS CORPORATE_INDIVIDUAL CORPORATE_BUSINESS GOVERNMENT_INDIVIDUAL GOVERNMENT_BUSINESS
accountType	Conditional	The type of account to be used to determine which plans to return. Valid values: I, B, C, G Both accountType and accountSubType need to be passed if customerTypeDesc is not provided in input.
accountSubType	Conditional	Subscription type to be used to determine which plans to return. Valid values: I, B, H, N, G, 4 Both accountType and accountSubType need to be passed if customerTypeDesc is not provided in input.
creditClass	Optional	Credit class of the subscriber
corpId	Conditional	The corporate id and government id of the associated subscriber. Should be provided in input if customer type is Corporate or Government.

serviceAreaInfo

Name	Details	Descriptions
serviceAreaZip	Conditional	Structure with the zip code.
subMarket	Conditional	Coverage Sub Market This is required if the service zip code, or CSA is not provided
csa	Conditional	Coverage Service Area. Required if service zip code or submarket is not provided

serviceAreaZip

Name	Details	Descriptions
zipCode	Required	The zip code.
zp4Code	Optional	The zip code extension.

orderInfo

Name	Details	Descriptions
orderType	Required	The type of order to be placed. Valid values: NEW - when requesting plans for activation of a new customer account with a new subscriber. ADD_ON - when requesting plans for adding a subscription to an existing account. SERVICE_ONLY - when requesting plans for a Plan swap without ESN swap UPGRADE - when requesting plans for an ESN swap with a plan swap. REPLACE - when requesting plans for 'upgrade now' orders. For example, incase of the hot device swap transaction.
salesChannel	Conditional	Sales channel requesting the plans for the associated subscription. Required for 99S in order to retrieve appropriate plans to be sold via the DSA customer touch point. Valid values: 2 – Online authorized retailer BSP – Business solution partner

planInfo

Name	Details	Descriptions
pricePlanSoc	Optional	Price Plan SOC that the customer wants to view options for. Required for non-BOOST orders
ItsRank	Optional	Current rank of associated subscriber if they have a family plan.

deviceInfo

Name	Details	Descriptions
itemId	Conditional	Phone model id of the device that is or will be associated with the subscription. Required if MEID or HSN is not provided.
meid	Conditional	Mobile Equipment Id for CDMA device. Required if ModelId or HSN is not provided.
msn	Conditional	iDEN equipment id for an iDEN device. Required if ModelId or MEID is not provided.

searchBySocList

Name	Details	Descriptions
searchBySocInfo	Choice	Structure providing the ability to search by the SOC information

searchBySocInfo

Name	Details	Descriptions
socCode	Choice	Search using SOC code and wild card functionality.
socDesc	Choice	Search using SOC description and wild card functionality.

2.2.2 Output Parameters

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

queryAvailableOptionsResponse

Name	Details	Descriptions
pricePlanInfo	Required	Structure providing plan options detail info records.

pricePlanInfo

Name	Details	Descriptions
pricePlanSoc	Optional	The price plan SOC
addOnSocList	Required	Structure that provides the add on SOC's
optionLongDesc	Optional	Customer friendly description of the associated feature.

optionLongDesc

Name	Details	Descriptions
optionDetail	Optional	The business provided detailed information about the plan (This is for the Daily SOC as an exception.)
optionLearnMore	Optional	This includes a configurable link to 'Learn More' for the plan (This is for the Daily SOC as an exception.)

addOnSocList

Name	Details	Descriptions
addOnSocInfo	Required	Unique ID created by OVM to identify request received from calling front end application.

addOnSocInfo

Name	Details	Descriptions
soc	Optional	Feature code that was passed in the input.
socDesc	Optional	Customer friendly name of the associated feature.
socLongDesc	Optional	Customer friendly description of the associated feature.
banLevelCodeInd	Optional	True indicates that associated feature is an account level feature.
cellularSupportInd	Optional	Indicates that associated feature requires a phone number resource
dispatchSupportInd	Optional	Indicates that the associated feature requires a push-to-talk resource
packetDataSupportInd	Optional	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
cdmaPacketDataSupportInd	Optional	Indicates that the associated feature requires a CDMA IP resource.
recurringCharge	Choice	Choice between lts-monthly-price, the monthly recurring charge of the associated feature.
ltsRecurringChargeList	Choice	Choice between option-price, list of monthly recurring charges for each subscriber rank of the associated sharing feature.
oneTimeCharge	Optional	Indicates the amount of an applicable one time charge in order to select the associated feature
mutuallyExclusiveInd	Optional	Mutually exclusive
contractMonths	Optional	Indicates the minimally required service agreement for new subscriber activations for the associated feature.
allowedNumberRanges	Optional	Indicates maximum number of phone ranges if feature is a mobile to office type
numberRangeSize	Optional	Indicates maximum size of the phone range if associated feature is a mobile to office type
productTypeList	Optional	Structure provides product type information.
corpRequiredInd	Optional	Indicates if the associated feature is required to be chosen because of the corp gov id provided in the Options Request.
socEquivalentInd	Optional	Indicates if associated feature is the technology equivalent (based on brand-type) of the subscriber's existing feature.
sourceSoc	Optional	Subscriber's feature that is the technology equivalent of the associated feature (option ID)
affinityInfo	Required	Structure provides detail affinity information.
requiredPrimaryBundleSoc	Optional	Identifies the associated primary SOC code for

		productId(services) defined as SBD
maxSecondaryBundleSocs	Optional	Identifies the maximum number of secondary bundle SOCs can be added for productId(services) defined as SBD
socCategory	Optional	Filterable category of the associated feature.
featureList	Required	Structure provides feature information
ivrSocDesc	Optional	This is IVR specific price plan description which is a match to an existing recording in the IVR.
socCategorySequenceNumber	Optional	Identifies the display order of each distinct option-category
categoryRequired	Optional	Indicates whether the option-id(s) within the associated are required for at least one selection (Initially this will represent the Daily Offer category).
serviceManagementInd	Optional	This indicates whether the option is a service manament add on.

ItsRecurringChargeList

Name	Details	Descriptions
maxSubscribersAllowed	Optional	Indicates the maximum number of subscribers that can share the associated feature.
ItsRecurringChargeInfo	Required	Lines to share recurring charges info structure.

ItsRecurringChargeInfo

Name	Details	Descriptions
rank	Required	Indicates the lines to share pricing rank,
RecurringCharge	Required	Lines to share recurring charges.

productTypeList

Name	Details	Descriptions
productTypeInfo	Required	Structure that provides the product indicators.

productTypeInfo

Name	Details	Descriptions
productId	Required	Feature 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 UNI Universal VCF (Voice Control feature) BSF (Barring SOC feature) INS (Insurance)
--	--	--

affinityInfo

Name	Details	Descriptions
affinityRegistrationSoc	Optional	Name of the affinity registration SOC.
affinityName	Optional	Name of the affinity
affinityAttributeList	Required	Affinity Attribute List Structure

affinityAttributeList

Name	Details	Descriptions
affinityAttributeInfo	Required	Affinity Attribute Info Structure

affinityAttributeInfo

Name	Details	Descriptions
name	Required	Affinity Attribute name
code	Required	Affinity Attribute code
type	Optional	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.
length	Optional	Length of affinity attribute
requiredInd	Optional	True means required.
mask	Optional	The mask of the affinity attribute
pattern	Optional	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
value	Optional	Contains the default value for the attribute that may or may not be editable based on the editable tag.
editableInd	Optional	True means editable.

featureInfo

Name	Details	Descriptions
featureCode	Required	Component of the feature (option-id) , For internal use only
featureDesc	Optional	Description of the feature component, For internal use only
allowedNumberRanges	Optional	Indicates maximum number of phone ranges if associated feature is a mobile to office type
numberRangeSize	Optional	Indicates maximum size of the phone range if associated feature is a mobile to office type
msisdnInd	Optional	For internal use only
productDefinitionInfo	Optional	Structure providing the product info

productDefintionInfo

Name	Details	Descriptions
productId	Required	Feature 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 UNI Universal VCF (Voice Control feature) BSF (Barring SOC feature) INS (Insurance)

2.2.3 Sample Request Message

```
<soapenv:Envelope
  xmlns:SOAP-ENV = "http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:wssse = "http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd"
  xmlns:quer =
"http://integration.sprint.com/interfaces/queryAvailableOptions/v1/queryAvailableOptions.xsd"
  xmlns:soapenv = "http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:v2 = "http://integration.sprint.com/common/header/WSMessageHeader/v2">
  <soapenv:Header>
    <wsMessageHeader xmlns = "http://integration.sprint.com/common/header/WSMessageHeader/v2">
      <trackingMessageHeader>
        <applicationId>7UL</applicationId>
        <applicationUserId>7UL</applicationUserId>
        <consumerId>7UL</consumerId>
        <messageId>1001</messageId>
        <conversationId>1001</conversationId>
        <timeToLive>123</timeToLive>
        <messageDateTimeStamp>2011-04-04T00:16:15.587-05:00</messageDateTimeStamp>
      </trackingMessageHeader>
      <securityMessageHeader/>
    </wsMessageHeader>
  </soapenv:Header>
  <soapenv:Body wsu:Id = "id-14" xmlns:wsu = "http://docs.oasis-open.org/wss/2004/01/oasis-200401-
wss-wssecurity-utility-1.0.xsd">
    <m:queryAvailableOptions xmlns:m =
"http://integration.sprint.com/interfaces/queryAvailableOptions/v1/queryAvailableOptions.xsd">
      <m:callingApplicationInfo>
        <m:pin>0229</m:pin>
        <m:vendorCode>BY</m:vendorCode>
      </m:callingApplicationInfo>
      <m:searchCriteria>
        <m:banInfo>
          <m:customerTypeDesc>INDIVIDUAL</m:customerTypeDesc>
        </m:banInfo>
        <m:serviceAreaInfo>
          <m:serviceAreaZip>
            <m:zipCode>20170</m:zipCode>
          </m:serviceAreaZip>
        </m:serviceAreaInfo>
        <m:orderInfo>
          <m:orderType>NEW</m:orderType>
          <m:numberSubscribers>1</m:numberSubscribers>
        </m:orderInfo>
        <m:deviceInfo>
          <m:itemId>MOTV950KIT</m:itemId>
        </m:deviceInfo>
      </m:searchCriteria>
    </m:queryAvailableOptions>
  </soapenv:Body>
</soapenv:Envelope>
```

2.2.4 Sample Response Message

```
<SOAP-ENV:Body wsu:Id = "Body-f75b58e8-583f-4f48-a985-283e49db2f35" xmlns:wsu =  
"http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">  
  <tns:queryAvailableOptionsResponse xmlns:tns =  
"http://integration.sprint.com/interfaces/queryAvailableOptions/v1/queryAvailableOptions.xsd">  
    <tns:pricePlanInfo>  
      <tns:addOnSocList>  
        <tns:addOnSocInfo>  
          <tns:soc>REQCE3</tns:soc>  
          <tns:socDesc>CDMA provisioning SOC.</tns:socDesc>  
          <tns:socLongDesc>CDMA provisioning SOC.</tns:socLongDesc>  
          <tns:banLevelCodeInd>>false</tns:banLevelCodeInd>  
          <tns:packetDataSupportInd>Y</tns:packetDataSupportInd>  
          <tns:cdmaPacketDataSupportInd>>false</tns:cdmaPacketDataSupportInd>  
          <tns:recurringCharge>0.00</tns:recurringCharge>  
          <tns:oneTimeCharge>0.00</tns:oneTimeCharge>  
          <tns:mutuallyExclusiveInd>>false</tns:mutuallyExclusiveInd>  
          <tns:contractMonths>0</tns:contractMonths>  
          <tns:corpRequiredInd>>false</tns:corpRequiredInd>  
          <tns:socEquivalentInd>>false</tns:socEquivalentInd>  
          <tns:affinityInfo>  
            <tns:affinityAttributeList>  
              <tns:affinityAttributeInfo>  
                <tns:name/>  
                <tns:code/>  
              </tns:affinityAttributeInfo>  
            </tns:affinityAttributeList>  
          </tns:affinityInfo>  
          <tns:maxSecondaryBundleSocs>0</tns:maxSecondaryBundleSocs>  
          <tns:socCategory>REQUIRED</tns:socCategory>  
          <tns:featureList>  
            <tns:featureInfo>  
              <tns:featureCode>WDATRM</tns:featureCode>  
              <tns:featureDesc>Domestic Data Roaming</tns:featureDesc>  
            </tns:featureInfo>  
            <tns:featureInfo>  
              <tns:featureCode>TV</tns:featureCode>  
              <tns:featureDesc>Mobile TV</tns:featureDesc>  
            </tns:featureInfo>  
            <tns:featureInfo>  
              <tns:featureCode>UTOLTZ</tns:featureCode>  
              <tns:featureDesc>Dom Roaming Packet Data Kbs</tns:featureDesc>  
            </tns:featureInfo>  
            <tns:featureInfo>  
              <tns:featureCode>REQSOC</tns:featureCode>  
              <tns:featureDesc>Required Features with Plan</tns:featureDesc>  
            </tns:featureInfo>  
            <tns:featureInfo>  
              <tns:featureCode>UNTETH</tns:featureCode>  
              <tns:featureDesc>Sprint Data Services</tns:featureDesc>  
            </tns:featureInfo>  
            <tns:featureInfo>  
              <tns:featureCode>SMS</tns:featureCode>
```

```

        <tns:featureDesc>SMS Text Messages</tns:featureDesc>
    </tns:featureInfo>
    <tns:featureInfo>
        <tns:featureCode>CPKG</tns:featureCode>
    </tns:featureInfo>
    <tns:featureInfo>
        <tns:featureCode>STDT</tns:featureCode>
        <tns:featureDesc>Long Distance While Roaming</tns:featureDesc>
    </tns:featureInfo>
    <tns:featureInfo>
        <tns:featureCode>CEHA</tns:featureCode>
        <tns:featureDesc>America - Roaming Included</tns:featureDesc>
    </tns:featureInfo>
    <tns:featureInfo>
        <tns:featureCode>VDMAIL</tns:featureCode>
        <tns:featureDesc>Video Mail</tns:featureDesc>
    </tns:featureInfo>
    <tns:featureInfo>
        <tns:featureCode>PM</tns:featureCode>
        <tns:featureDesc>Picture Mail Service</tns:featureDesc>
    </tns:featureInfo>
    <tns:featureInfo>
        <tns:featureCode>EVDO</tns:featureCode>
        <tns:featureDesc>EVDO Service</tns:featureDesc>
    </tns:featureInfo>
</tns:featureList>
</tns:addOnSocInfo>
<tns:addOnSocInfo>
    <tns:soc>BNW7PM15</tns:soc>
    <tns:socDesc>Nights and Weekends 7pm</tns:socDesc>
    <tns:socLongDesc>Nights and Weekends 7pm</tns:socLongDesc>
    <tns:banLevelCodeInd>>false</tns:banLevelCodeInd>
    <tns:packetDataSupportInd>N</tns:packetDataSupportInd>
    <tns:cdmaPacketDataSupportInd>>false</tns:cdmaPacketDataSupportInd>
    <tns:recurringCharge>15.00</tns:recurringCharge>
    <tns:oneTimeCharge>0.00</tns:oneTimeCharge>
    <tns:mutuallyExclusiveInd>>false</tns:mutuallyExclusiveInd>
    <tns:contractMonths>0</tns:contractMonths>
    <tns:corpRequiredInd>>false</tns:corpRequiredInd>
    <tns:socEquivalentInd>>false</tns:socEquivalentInd>
    <tns:affinityInfo>
        <tns:affinityAttributeList>
            <tns:affinityAttributeInfo>
                <tns:name/>
                <tns:code/>
            </tns:affinityAttributeInfo>
        </tns:affinityAttributeList>
    </tns:affinityInfo>
    <tns:maxSecondaryBundleSocs>0</tns:maxSecondaryBundleSocs>
    <tns:socCategory>Nights and Weekends</tns:socCategory>
</tns:featureList>
    <tns:featureInfo>
        <tns:featureCode>UTOLTC</tns:featureCode>
        <tns:featureDesc>Cellular Minutes</tns:featureDesc>
    </tns:featureInfo>

```

```

        </tns:featureInfo>
        <tns:featureInfo>
            <tns:featureCode>CPKG</tns:featureCode>
        </tns:featureInfo>
        <tns:featureInfo>
            <tns:featureCode>OVER</tns:featureCode>
            <tns:featureDesc>Modified Nights and Weekends</tns:featureDesc>
        </tns:featureInfo>
    </tns:featureList>
</tns:addOnSocInfo>
</tns:addOnSocList>
</tns:pricePlanInfo>
</tns:queryAvailableOptionsResponse>
</SOAP-ENV:Body>

```

2.3 QueryAvailablePlans

This API provides the ability to retrieve plans available for assignment to a new or an existing subscription.

2.3.1 Input Parameters

The input request to QueryAvailablePlans API consists of two parts, the WSMMessageHeader V2 and the request data structure

trackingMessageHeader

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 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.

queryAvailablePlansRequest

Name	Details	Descriptions
callingApplicationInfo	Required	Structure in which to insert calling application and user info.
searchCriteria	Choice	Structure in which to identify criteria for plan search
searchBySocList	Choice	List of 1 to 10 searchBySoc structures

callingApplicationInfo

Name	Details	Descriptions
pin	Required	Pin Code
vendorCode	Required	Application specific identifier unique to the OVM system.
orderId	Optional	Order Id provided for Credit/Activation or Validation/Activation transactions.
storeId	Optional	Store identifier. Should be provided for Activation transactions.
associateId	Optional	Associate identifier. Should be provided for Activation transactions.
brandCode	Optional	S – Sprint N – Nextel If not sent, will be defaulted to 'S'

searchCriteria

Name	Details	Descriptions
serviceAreaInfo	Required	Structure to indicate service area for which associated plans should be returned.
deviceInfo	Choice	Structure to indicate device type for which associated plans should be returned.
orderInfo	Choice	Structure to indicate order for which associated plans should be returned.
pricePlanInfo	Choice	Structure to indicate plan type, legacy plan, and lines to share rank for which associated plans should be returned.
banInfo	Required	Structure to provide ban information for which

serviceAreaInfo

Name	Details	Descriptions
serviceAreaZip	Conditional	Structure to indicate the zip code for which associated plans should be returned. This is required if the CSA, submarket is not provided.
submarket	Conditional	Sub market. This is required if the service zip code, or CSA is not provided.
csa	Conditional	Coverage Service Area

serviceAreaZip

Name	Details	Descriptions
zipcode	Required	Zip code of service area.
zip4Code	Optional	Zip extension code.

deviceInfo

Name	Details	Descriptions
itemId	Choice	Item id, or model id of the subscriber's device.
meid	Choice	MEID of the subscriber's device. Required if hsn is not provided.
hsn	Choice	iDEN device serial number
macId	Choice	Media Access Control Identifier

orderInfo

Name	Details	Descriptions
orderType	Required	The type of order to be placed. NEW when requesting plans for activation of a new customer account with a new subscriber. ADD_ON when requesting plans for adding a subscription to an existing account. SERVICE_ONLY when requesting plans for a Plan swap without ESN swap UPGRADE when requesting plans when requesting plans for an ESN swap with a plan swap.
salesChannel	Optional	Sales channel submitting order. Order channels sales channel, values include: 2 (online authorized retailer) and BSP (business solution partner)

pricePlanInfo

Name	Details	Descriptions
pricePlanSoc	Optional	Optionally provided legacy primary sharing price plan code to return associated secondary sharing price plan(s).
planType	Optional	Plan type may equal but not limited to following values: fam = family plan dly = daily unlimited plan ind = individual all = all plans mbp = monthly bucket plan/unlimited pgo = pay as you go
ItsRank	Optional	Current rank of associated subscriber if they have a family plan.
promoCode	Optional	Promotional code. If populated, will be validated by the backend.

banInfo

Name	Details	Descriptions
ban	Conditional	Billing account number. Required for an existing subscriber if mdn is not provided.
mdn	Conditional	Subscriber phone number. Required for an existing subscriber if ban is not provided.
accountType	Conditional	Account type. Required if accountSubType is provided.
accountSubType	Conditional	Account subscriber type. Required if accountType is provided.
customerTypeDesc	Conditional	Required if account type and account sub type is not provided.
creditClass	Optional	Credit class of customer.
corpId	Optional	Corporate or government id. Should be provide if customer type is corporate or government.
numberSubscribers	Required	The number of subscribers included in the order.

searchBySocList

Name	Details	Descriptions
searchBySocInfo	Choice	Structure providing the ability to search by the SOC information

searchBySocInfo

Name	Details	Descriptions
socCode	Choice	Soc code Front End provides socCode if socCode populated, EAI will pass "CODE" in OVM field-name. EAI will pass the value provided in socCode field by the front end, through to OVM in the field-value tag.
socDesc	Choice	Soc description Front End provides socDesc if socDesc populated, EAI will pass "NAME" in OVM field-name. EAI will pass the value provided in socDesc field by the front end, through to OVM in the field-value tag.

2.3.2 Output Parameters

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

queryAvailablePlansResponse

Name	Details	Descriptions
pricePlanList	Optional	List of price plan records.
promoCodeInfo	Optional	Information relating to the promo code submitted in the request. Only present if promoCode was populated on the request

pricePlanList

Name	Details	Descriptions
pricePlanInfo	Required	Price plan information

pricePlanInfo

Name	Details	Descriptions
pricePlanSoc	Required	Soc code.
socDesc	Required	Soc name
socLongDesc	Required	Plan Description
planType	Optional	Plan type.
planDetail	Optional	The business provided detailed information about the plan (This is for the Daily SOC as an exception.)
planLearnMore	Optional	This includes a configurable link to 'Learn More' for the plan (This is for the Daily SOC as an exception.)
ivrSocDesc	Optional	This is IVR specific price plan description which is a match to an existing recording in the IVR.
planCategory	Optional	Filterable OVM plan category name
banLevelInd	Optional	Indicates that the associated price plan is an account level price plan
cellularSupportInd	Optional	Indicates that associated feature requires a phone number resource

dispatchSupportInd	Optional	Indicates that the associated feature requires a push-to-talk resource
packetDataSupportInd	Optional	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
cdmaPacketSupportInd	Optional	Indicates that the associated feature requires a CDMA IP resource.
recurringCharge	Optional	Choice between lts-monthly-price, the monthly recurring charge of the associated price plan
ltsRecurringChargeList	Optional	Choice between monthly-price, list of monthly recurring charges for each subscriber rank of the associated sharing price plan
oneTimeCharge	Optional	Indicates the amount of an applicable one time charge in order to select the associated price plan
maxSubscribersAllowed	Optional	Indicates the maximum number of subscribers that can share the associated sharing price plan. For hybrid sharing Plans , indicates maximum number of subscribers that can be under one hybrid sharing group.
sharingGroupId	Optional	Hybrid Sharing Group Identifier
planPriority	Required	Can be optionally used to determine sorting order of the price plans returned
dataAllowance	Optional	Data Allowance in MB. If this field is not returned then it means unlimited data Allowance
dataAllowanceRoaming	Optional	Data Allowance in MB when Roaming. If this field is not returned then it means unlimited data Roaming allowance
socSequenceNumber	Required	For OVM Internal Use only
contractMonths	Required	Indicates if the associated price plan requires a 0, 12, or 24 month service agreement if selected
allowedNumberRanges	Optional	Indicates maximum number of phone ranges if associated price plan is a mobile to office type
numberRangeSize	Optional	Indicates maximum size of the phone range if associated price plan is a mobile to office type
taxExclusionCode	Optional	For OVM internal use only.
productTypeList	Optional	Structure with product definition details.
affinityInfo	Optional	Provides detail affinity information.
requiredPrimaryBundleSoc	Optional	Identifies the associated primary SOC code for productId(services) defined as SBD
maxSecondaryBundleSocs	Optional	Identifies the maximum number of secondary bundle SOC's can be added for productId(services)

		defined as SBD
corpRequiredId	Optional	Indicates if the associated price plan is required to be chosen because of the corp gov id provided in the Plans Request.
planEquivalentInd	Optional	Indicates if associated price plan is the technology equivalent (based on brand-type) of the subscriber's existing plan.
planTypeInfo	Optional	Structure providing plan type info.
detailPlanInfo	Optional	Provides detail info on included usage and plan pricing info
featureList	Optional	Provides detail feature information.
relatedSocList	Optional	Provides detail included SOC information.
allowanceList	Optional	List of allowanceInfo structures AllowanceList will contain allowance information for the data soc. For Data, four types of allowanceInfo structures can be sent, one for "Sprint 3G Data", "Sprint 3G Data Roaming", "Sprint 4G Data", "Sprint 3G/4G Data"
musMilestoneLevel	Optional	Milestone Level is the means by which Monthly Unlimited Shrinkage(MUS) plans are identified. If the plan is not identified as a pre-paid MUS plan, the field will not be returned. This field will only be returned for pre-paid MUS plans.

ItsRecurringChargeList

Name	Details	Descriptions
ItsRecurringChargeInfo	Required	Structure with rank and recurring charge info.

ItsRecurringChargeInfo

Name	Details	Descriptions
rank	Required	Sharing subscriber rank
recurringCharge	Required	Recurring charge for sharing subscriber.

productTypeInfo

Name	Details	Descriptions
productTypeInfo	Optional	Structure with product type information

productTypeInfo

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

affinityInfo

Name	Details	Descriptions
affinityRegistrationSoc	Required	If associated price plan is an affinity benefit type then this value is the affinity registration feature that must also be selected
affinityName	Required	Name of the affinity
affinityAttributeList	Optional	Affinity Attribute List

affinityAttributeList

Name	Details	Descriptions
affinityAttribute	Required	Provides detail affinity info.

affinityAttribute

Name	Details	Descriptions
name	Required	Affinity Attribute name
code	Required	Affinity Attribute code
type	Optional	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.
length	Optional	Length of affinity attribute
requiredInd	Optional	Required or not required indicator.
mask	Optional	The mask of the affinity attribute
pattern	Optional	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
value	Optional	Contains the default value for the attribute that may

		or may not be editable based on the editable tag.
editableInd	Optional	Valid values are: Y (Editable) and N (Not Editable)

planTypeInfo

Name	Details	Descriptions
nationalPlanInd	Optional	Y indicates the price plan is a national plan
addOnPlanInd	Optional	Y indicates the price plan is an add-on sharing plan
familyPlanInd	Optional	Y indicates the price plan is a sharing plan.
regionalPlanInd	Optional	Y indicates the price plan is a regional plan.
promotionalPlanInd	Optional	Y indicates the price plan is a promotional plan
legacyPlanInd	Optional	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.

detailPlanInfo

Name	Details	Descriptions
totalMinutes	Optional	Indicates the total number of minutes the associated price plan includes
anytimeMinutes	Optional	Indicates the total number of anytime minutes the associated price plan includes
nightWeekendMinutes	Required	Indicates the total number of night and weekend minutes the associated price plan includes
extraAnytimeMinutesCharge	Required	The per-minute overage charge that is assessed when anytime minutes have been exhausted in a single billing period
longDistanceCharge	Required	The per-minute long distance charge.
unitSmsCharge	Required	Charge for SMS messaging if not included in plan or optional feature
callForwardingChargeRate	Required	Charge to setup call forwarding with cell phone number
earlyTerminationFee	Required	The early termination fee associated with this price plan
m2mMinutes	Required	Included mobile-to-mobile minutes
intlChargePerMinute	Required	The per-minute international charge
roamingCharge	Required	The per-minute roaming charge
averageCharge	Required	
nationalRoamingcharge	Required	The per minute national roaming charge
longDistanceMinutes	Required	Number of long distance minutes included
intlRoamingCharge	Required	The per-minute international roaming charge

billingIncrement	Required	Indicates the increment the recurring charge occurs
wirelessInternetChargeRate	Required	Data charge rate
numericPagingChargeRate	Required	n/a
faxDataChargeRate	Required	n/a
familyMinutes	Required	Number of sharing minutes included
airtimeRate	Required	n/a
walkieTalkieMinutes	Required	Number of Direct Connect minutes included
walkieTalkieOverageChargeRate	Required	Overage charge rate for Direct Connect usage
nationwideDcChargeRate	Optional	N/a

featureList

Name	Details	Descriptions
featureCode	Optional	Component of the feature (option-id), For internal use only
featureDesc	Optional	Description of the feature component, For internal use only
allowedNumberRanges	Optional	Indicates maximum number of phone ranges if associated feature is a mobile to office type
numberRangeSize	Optional	Indicates maximum size of the phone range if associated feature is a mobile to office type
msisdInd	Optional	For internal use only
productTypeList	Optional	Structure with product definition details.

featureInfo

Name	Details	Descriptions
featureCode	Optional	Component of the feature (option-id), For internal use only
featureDesc	Optional	Description of the feature component, For internal use only
allowedNumberRanges	Optional	Indicates maximum number of phone ranges if associated feature is a mobile to office type
numberRangeSize	Optional	Indicates maximum size of the phone range if associated feature is a mobile to office type
msisdInd	Optional	For internal use only
productTypeList	Optional	Structure with product definition details.

productTypeList

Name	Details	Descriptions
------	---------	--------------

productTypeInfo	Optional	Structure with product type information
-----------------	----------	---

productTypeInfo

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

includedSocInfo

Name	Details	Descriptions
soc	Optional	Feature code that is automatically assigned to the associated price plan
socName	Optional	Customer friendly name of the associated option.
socDesc	Optional	Customer friendly description of the associated option.
allowedNumberRanges	Optional	Indicates maximum number of phone ranges if associated option is a mobile to office type
numberRangeSize	Optional	Indicates maximum size of the phone range if

		associated option is a mobile to office type.
productTypeList	Optional	Structure with product definition details.

productTypeList

Name	Details	Descriptions
productTypeInfo	Optional	Structure with product type information

productTypeInfo

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

allowanceInfo

Name	Details	Descriptions
allowanceType	Required	Type of allowance “Sprint 3G Data” Sprint 3G Data Roaming “Sprint 4G Data” “Sprint 3G/4G Data”
allowance	Required	Included units of allowance for the soc in MB

promoCodeInfo

Name	Details	Descriptions
validPromoCodeInd	Required	Indicates that the promoCode sent in the request was valid.
promoCodeErrorList	Optional	List of promo code errors, only present when the promo code submitted on the request was invalid (validPromoCodeInd equals false).

promoCodeErrorInfo

Name	Details	Descriptions
promoCodeErrorCode	Required	Error code related to the promo code validation
promoCodeErrorText	Optional	Text associated with the error code

2.3.3 Sample Request Message

```
<soapenv:Envelope
  xmlns:SOAP-ENV = "http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:wssse = "http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd"
  xmlns:quer = "http://integration.sprint.com/interfaces/queryAvailablePlans/v1/queryAvailablePlans.xsd"
  xmlns:soapenv = "http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:v2 = "http://integration.sprint.com/common/header/WSMessageHeader/v2">
  <soapenv:Header>
    <wsMessageHeader xmlns = "http://integration.sprint.com/common/header/WSMessageHeader/v2">
      <trackingMessageHeader>
        <applicationId>7UL</applicationId>
        <applicationUserId>7UL</applicationUserId>
        <consumerId>7UL</consumerId>
        <messageId>1001</messageId>
        <conversationId>1001</conversationId>
        <timeToLive>123</timeToLive>
        <messageDateTimeStamp>2011-04-04T00:16:15.587-05:00</messageDateTimeStamp>
      </trackingMessageHeader>
      <securityMessageHeader/>
    </wsMessageHeader>
  </soapenv:Header>
  <soapenv:Body wsu:Id = "id-20" xmlns:wsu = "http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
    <quer:queryAvailablePlans>
      <quer:callingApplicationInfo>
        <quer:pin>1520</quer:pin>
        <quer:vendorCode>DS</quer:vendorCode>
      </quer:callingApplicationInfo><!-- You have a CHOICE of the next 2 items at this level-->
      <quer:searchCriteria>
        <quer:serviceAreaInfo><!-- You have a CHOICE of the next 3 items at this level-->
          <quer:csa>CHICHI312</quer:csa>
        </quer:serviceAreaInfo>
        <quer:orderInfo>
          <quer:orderType>UPGRADE</quer:orderType>
        </quer:orderInfo>
        <quer:banInfo><!-- You have a CHOICE of the next 2 items at this level-->
          <quer:accountType>C</quer:accountType>
          <quer:accountSubType>N</quer:accountSubType>
          <quer:numberSubscribers>1</quer:numberSubscribers>
        </quer:banInfo>
      </quer:searchCriteria>
    </quer:queryAvailablePlans>
  </soapenv:Body>
</soapenv:Envelope>
```

2.3.4 Sample Response Message

```
<SOAP-ENV:Body wsu:Id = "Body-c679d02d-84d8-41a4-9b8a-2d3f8921a81b" xmlns:wsu =  
"http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">  
  <tns:queryAvailablePlansResponse xmlns:tns =  
"http://integration.sprint.com/interfaces/queryAvailablePlans/v1/queryAvailablePlans.xsd">  
    <tns:pricePlanList>  
      <tns:pricePlanInfo>  
        <tns:pricePlanSoc>LTD1007</tns:pricePlanSoc>  
        <tns:socDesc>Everything Data Share 1500</tns:socDesc>  
        <tns:socLongDesc>  
          Everything Data Share Plan  
          Line 1: $129.99 Minimum Monthly Charge  
          Line 2:$0 Monthly Charge  
          Lines 3-5: $19.99 Monthly Charge  
          1500 Shared Anytime Minutes  
          Unlimited Sprint Mobile To Mobile  
          Nationwide Long Distance Included  
          Unlimited Night & Weeknd Mins. Included  
          Nights: M-Th 7pm-7am Wknd: F 7pm-M 7am  
          Caller ID  
          Call Waiting  
          Three-Way Calling  
          Voicemail  
        </tns:socLongDesc>  
        <tns:planType>fam</tns:planType>  
        <tns:planCategory>Talk/Message/Data Family</tns:planCategory>  
        <tns:banLevelInd>>false</tns:banLevelInd>  
        <tns:packetDataSupportInd>N</tns:packetDataSupportInd>  
        <tns:cdmaPacketDataSupportInd>true</tns:cdmaPacketDataSupportInd>  
        <tns:itsRecurringChargeList>  
          <tns:itsRecurringChargeInfo>  
            <tns:rank>1</tns:rank>  
            <tns:recurringCharge>129.99</tns:recurringCharge>  
          </tns:itsRecurringChargeInfo>  
          <tns:itsRecurringChargeInfo>  
            <tns:rank>2</tns:rank>  
            <tns:recurringCharge>0.00</tns:recurringCharge>  
          </tns:itsRecurringChargeInfo>  
          <tns:itsRecurringChargeInfo>  
            <tns:rank>3</tns:rank>  
            <tns:recurringCharge>19.99</tns:recurringCharge>  
          </tns:itsRecurringChargeInfo>  
        </tns:itsRecurringChargeList>  
        <tns:oneTimeCharge>0.00</tns:oneTimeCharge>  
        <tns:maxSubscribersAllowed>5</tns:maxSubscribersAllowed>  
        <tns:planPriority>0</tns:planPriority>  
        <tns:socSequenceNumber>1</tns:socSequenceNumber>  
        <tns:contractMonths>24</tns:contractMonths>  
        <tns:numberRangeSize>0</tns:numberRangeSize>  
        <tns:productTypeList>  
          <tns:productTypeInfo>
```

```

    <tns:productId>PBD</tns:productId>
  </tns:productTypeInfo>
</tns:productTypeInfo>
  <tns:productId>LTS</tns:productId>
</tns:productTypeInfo>
</tns:productTypeList>
<tns:maxSecondaryBundleSocs>0</tns:maxSecondaryBundleSocs>
<tns:corpRequiredInd>>false</tns:corpRequiredInd>
<tns:planEquivalentInd>>false</tns:planEquivalentInd>
<tns:planTypeInfo>
  <tns:nationalPlanInd>>true</tns:nationalPlanInd>
  <tns:addOnPlanInd>>false</tns:addOnPlanInd>
  <tns:familyPlanInd>>true</tns:familyPlanInd>
  <tns:regionalPlanInd>>false</tns:regionalPlanInd>
</tns:planTypeInfo>
<tns:detailPlanInfo>
  <tns:totalMinutes>0</tns:totalMinutes>
  <tns:anytimeMinutes>0</tns:anytimeMinutes>
  <tns:nightWeekendMinutes/>
  <tns:extraAnytimeMinutesCharge>0.4</tns:extraAnytimeMinutesCharge>
  <tns:longDistanceCharge>0.0</tns:longDistanceCharge>
  <tns:unitSmsCharge>0.0</tns:unitSmsCharge>
  <tns:callForwardingChargeRate>0.0</tns:callForwardingChargeRate>
  <tns:etf>0.0</tns:etf>
  <tns:m2mMinutes>0</tns:m2mMinutes>
  <tns:intlChargePerMinute>0.0</tns:intlChargePerMinute>
  <tns:roamingCharge>0.0</tns:roamingCharge>
  <tns:averageCharge>0.0</tns:averageCharge>
  <tns:nationalRoamingCharge>0.0</tns:nationalRoamingCharge>
  <tns:longDistanceMinutes>0</tns:longDistanceMinutes>
  <tns:intlRoamingCharge>0</tns:intlRoamingCharge>
  <tns:billingIncrement/>
  <tns:wirelessInternetChargeRate>0.0</tns:wirelessInternetChargeRate>
  <tns:familyMinutes>0</tns:familyMinutes>
  <tns:walkieTalkieMinutes>0</tns:walkieTalkieMinutes>
  <tns:walkieTalkieOverageChargeRate>0.0</tns:walkieTalkieOverageChargeRate>
</tns:detailPlanInfo>
<tns:featureList>
  <tns:featureInfo>
    <tns:featureCode>CD</tns:featureCode>
    <tns:featureDesc>Call Detail</tns:featureDesc>
    <tns:numberRangeSize>0</tns:numberRangeSize>
  </tns:featureInfo>
  <tns:featureInfo>
    <tns:featureCode>CLIP</tns:featureCode>
    <tns:featureDesc>Caller ID</tns:featureDesc>
    <tns:numberRangeSize>0</tns:numberRangeSize>
  </tns:featureInfo>
  <tns:featureInfo>
    <tns:featureCode>HLT</tns:featureCode>
    <tns:featureDesc>Domestic LD Rate $0</tns:featureDesc>
    <tns:numberRangeSize>0</tns:numberRangeSize>
  </tns:featureInfo>
</tns:featureList>

```

```

        <tns:featureCode>SHARE</tns:featureCode>
        <tns:featureDesc>Shared Cell Minutes No Tiers</tns:featureDesc>
        <tns:numberRangeSize>0</tns:numberRangeSize>
    </tns:featureInfo>
    <tns:featureInfo>
        <tns:featureCode>STD</tns:featureCode>
        <tns:featureDesc>Anytime Minutes</tns:featureDesc>
        <tns:numberRangeSize>0</tns:numberRangeSize>
    </tns:featureInfo>
</tns:featureList>
<tns:allowanceList/>
</tns:pricePlanInfo>
<tns:pricePlanInfo>
    <tns:pricePlanSoc>LTD1008</tns:pricePlanSoc>
    <tns:socDesc>Everything Data Share 3000</tns:socDesc>
    <tns:socLongDesc>
        Everything Data Share Plan
        Line 1: $169.99 Minimum Monthly Charge
        Line 2:$0 Monthly Charge
        Lines 3-5: $19.99 Monthly Charge
        3000 Shared Anytime Minutes
        Unlimited Sprint Mobile To Mobile
        Nationwide Long Distance Included
        Unlimited Night & Weekend Mins. Included
        Nights: M-Th 7pm-7am Wknd: F 7pm-M 7am
        Caller ID
        Call Waiting
        Three-Way Calling
        Voicemail
    </tns:socLongDesc>
    <tns:planType>fam</tns:planType>
    <tns:planCategory>Talk/Message/Data Family</tns:planCategory>
    <tns:banLevelInd>false</tns:banLevelInd>
    <tns:packetDataSupportInd>N</tns:packetDataSupportInd>
    <tns:cdmaPacketDataSupportInd>true</tns:cdmaPacketDataSupportInd>
    <tns:itsRecurringChargeList>
        <tns:itsRecurringChargeInfo>
            <tns:rank>1</tns:rank>
            <tns:recurringCharge>169.99</tns:recurringCharge>
        </tns:itsRecurringChargeInfo>
        <tns:itsRecurringChargeInfo>
            <tns:rank>2</tns:rank>
            <tns:recurringCharge>0.00</tns:recurringCharge>
        </tns:itsRecurringChargeInfo>
        <tns:itsRecurringChargeInfo>
            <tns:rank>3</tns:rank>
            <tns:recurringCharge>19.99</tns:recurringCharge>
        </tns:itsRecurringChargeInfo>
    </tns:itsRecurringChargeList>
    <tns:oneTimeCharge>0.00</tns:oneTimeCharge>
    <tns:maxSubscribersAllowed>5</tns:maxSubscribersAllowed>
    <tns:planPriority>0</tns:planPriority>
    <tns:socSequenceNumber>2</tns:socSequenceNumber>
    <tns:contractMonths>24</tns:contractMonths>

```

```

<tns:numberRangeSize>0</tns:numberRangeSize>
<tns:productTypeList>
  <tns:productTypeInfo>
    <tns:productId>PBD</tns:productId>
  </tns:productTypeInfo>
  <tns:productTypeInfo>
    <tns:productId>LTS</tns:productId>
  </tns:productTypeInfo>
</tns:productTypeList>
<tns:maxSecondaryBundleSocs>0</tns:maxSecondaryBundleSocs>
<tns:corpRequiredInd>>false</tns:corpRequiredInd>
<tns:planEquivalentInd>>false</tns:planEquivalentInd>
<tns:planTypeInfo>
  <tns:nationalPlanInd>>true</tns:nationalPlanInd>
  <tns:addOnPlanInd>>false</tns:addOnPlanInd>
  <tns:familyPlanInd>>true</tns:familyPlanInd>
  <tns:regionalPlanInd>>false</tns:regionalPlanInd>
</tns:planTypeInfo>
<tns:detailPlanInfo>
  <tns:totalMinutes>0</tns:totalMinutes>
  <tns:anytimeMinutes>0</tns:anytimeMinutes>
  <tns:nightWeekendMinutes/>
  <tns:extraAnytimeMinutesCharge>0.25</tns:extraAnytimeMinutesCharge>
  <tns:longDistanceCharge>0.0</tns:longDistanceCharge>
  <tns:unitSmsCharge>0.0</tns:unitSmsCharge>
  <tns:callForwardingChargeRate>0.0</tns:callForwardingChargeRate>
  <tns:etf>0.0</tns:etf>
  <tns:m2mMinutes>0</tns:m2mMinutes>
  <tns:intlChargePerMinute>0.0</tns:intlChargePerMinute>
  <tns:roamingCharge>0.0</tns:roamingCharge>
  <tns:averageCharge>0.0</tns:averageCharge>
  <tns:nationalRoamingCharge>0.0</tns:nationalRoamingCharge>
  <tns:longDistanceMinutes>0</tns:longDistanceMinutes>
  <tns:intlRoamingCharge>0</tns:intlRoamingCharge>
  <tns:billingIncrement/>
  <tns:wirelessInternetChargeRate>0.0</tns:wirelessInternetChargeRate>
  <tns:familyMinutes>0</tns:familyMinutes>
  <tns:walkieTalkieMinutes>0</tns:walkieTalkieMinutes>
  <tns:walkieTalkieOverageChargeRate>0.0</tns:walkieTalkieOverageChargeRate>
</tns:detailPlanInfo>
<tns:featureList>
  <tns:featureInfo>
    <tns:featureCode>CD</tns:featureCode>
    <tns:featureDesc>Call Detail</tns:featureDesc>
    <tns:numberRangeSize>0</tns:numberRangeSize>
  </tns:featureInfo>
  <tns:featureInfo>
    <tns:featureCode>CLIP</tns:featureCode>
    <tns:featureDesc>Caller ID</tns:featureDesc>
    <tns:numberRangeSize>0</tns:numberRangeSize>
  </tns:featureInfo>
  <tns:featureInfo>
    <tns:featureCode>HLT</tns:featureCode>
    <tns:featureDesc>Domestic LD Rate $0</tns:featureDesc>
  </tns:featureInfo>
</tns:featureList>

```



```

        <tns:numberRangeSize>0</tns:numberRangeSize>
    </tns:featureInfo>
    <tns:featureInfo>
        <tns:featureCode>SHARE</tns:featureCode>
        <tns:featureDesc>Shared Cell Minutes No Tiers</tns:featureDesc>
        <tns:numberRangeSize>0</tns:numberRangeSize>
    </tns:featureInfo>
    <tns:featureInfo>
        <tns:featureCode>STD</tns:featureCode>
        <tns:featureDesc>Anytime Minutes</tns:featureDesc>
        <tns:numberRangeSize>0</tns:numberRangeSize>
    </tns:featureInfo>
</tns:featureList>
<tns:allowanceList/>
</tns:pricePlanInfo>
</tns:pricePlanList>
</tns:queryAvailablePlansResponse>
</SOAP-ENV:Body>

```

2.4 QuerySubscriberAdditionalServicesInfo

This transaction provides the calling applications with required data related to Affinity, Static Ip, Mobile to Office and Mobile to Home and HPPTT related date and suggestions to be captured from the user before they submit an order for creating a Subscriber and after they submit validatePlansAndOptions. It will also return ssit labels if applicable.

2.4.1 Input Parameters

The input request to QuerySubscriberAdditionalServicesInfo API consists of two parts, the WSMessagesHeader V2 and the request data structure

trackingMessageHeader

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 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.

querySubscriberAdditionalServicesInfo

Name	Details	Descriptions
portInMdn	Optional	Port In MDN. Required if a MDN is being Port In for the subscriber
csa	Required	Communication Service Area Identifier uniquely identifies an instance of a geographic area (CSA) served by a communication service provider, which can be broken down into regional, metropolitan, district and smaller sections called "leaves."
familySubPpChange	Optional	Indicates that subscribers that have the sharing plan of the subscriber sent in the Request must have their price plan changed also
secBundleSubPricePlanChangeRequire dList	Optional	Indicates List of Secondary subscribers that must change price plan to align with the requested removal of the primary plan sent in the Request
ItsSubRemaining	Optional	Indicates how many additional subs are able to be added to the family/sharing plan that was selected in the request.
pricePlanInfo	Optional	Provides primary plan information.
addOnSocList	Optional	Provides add on soc information.
expiredPricePlanInfo	Optional	Provides info on plan that should be expired.
expiredAddOnSocList	Optional	Provides info on add on Socs that should be expired.
expiredResourceList	Optional	Provides info on resources that should be expired.
changedSocsList	Optional	Provides changed Socs information.
legacyPlansList	Optional	Provides legacy plan names.
resourceList	Optional	Provides internal information only for OVM.
suggestionGroupList	Optional	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.
dataSocInd	Optional	Indicates whether the subscriber will have data soc by the end of the transaction as sent in the Service Validation Request. Values: True, False
messagingSocInd	Optional	Indicates whether the subscriber will have messaging soc by the end of the transaction as sent in the Service Validation Request. Values: True, False
validationErrorInfo	Optional	Includes OVM service validation error information for error type = 4. Additional information may be provided in response.
ban	Optional	Billing account number, Populate if the account is attached to a hierarchy or if it is a newly created ban
subscriberInfo	Optional	Subscriber Information details Note: Required on device swap requests

hierarchyInd	Optional	Indicator for whether the account is attached to a hierarchy
newlyCreatedBanInd	Optional	Indicated if a ban was newly created Note: false if not provided

secBundleSubPricePlanChangeRequiredList

Name	Details	Descriptions
secBundleSubPricePlanChangeRequiredInfo	Required	Indicates List of Secondary subscribers that must change price plan to align with the requested removal of the primary plan sent in the Request

secBundleSubPricePlanChangeRequiredInfo

Name	Details	Descriptions
primaryBundleSoc	Required	Identifies the primary bundled SOC
secondaryBundleSoc	Required	Identifies the secondary bundled SOC
removeSecondarySubscriberCount	Required	The number of secondary SOC's that must be removed (may be less than the number secondary subscribers that exist on the account)
secSubscriberList	Required	Contains secSubscriberInfo, which contains a list of secondary subscribers

secSubscriberList

Name	Details	Descriptions
secSubscriberInfo	Required	List of secondary subscribers

secSubscriberInfo

Name	Details	Descriptions
SubscriberId	Required	Secondary Subscriber Id
mdn	Optional	MDN of the Subscriber

pricePlanInfo

Name	Details	Descriptions
pricePlanSoc	Required	Plan code.
effectiveDateTime	Optional	Plan effective date.
expirationDateTime	Optional	Plan expiration date.
socDesc	Optional	Plan Name
banLevelPlanInd	Optional	Indicates associated plan id is an account level price plan, for internal use only
cdmaPacketDataSupportInd	Optional	Indicates that the associated soc requires a CDMA IP resource.
serviceType	Optional	OVM internal use only
productTypeList	Optional	Structure with product definition details.

productTypeList

Name	Details	Descriptions
productTypeInfo	Optional	Structure with product type information

productTypeInfo

Name	Details	Descriptions
productId	Optional	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) UNI (Universal) VCF (Voice Control feature) BSF (Barring SOC feature) INS (Insurance)

featureList

Name	Details	Descriptions
featureId	Optional	Component of the feature (option-id), For internal use only
featureCode	Required	Component of the feature (option-id) , For internal use only
featureName	Optional	Component of the feature (option-id) , For internal use only
featureDesc	Optional	Description of the feature component, For internal use only
allowedNumberRanges	Optional	Indicates maximum number of phone ranges if associated feature is a mobile to office type
numberRangeSize	Optional	Indicates maximum size of the phone range if associated feature is a mobile to office type

msisdInd	Optional	For internal use only
effectiveDateTime	Optional	Effective date and time.
expirationDateTime	Optional	Effective date and time.
productTypeList	Optional	Structure with product definition details.

relatedSocList

Name	Details	Descriptions
relatedSocInfo	Optional	Structure for related soc info detail

relatedSocInfo

Name	Details	Descriptions
soc	Optional	Soc code of the option.
existingSocInd	Optional	Indicates that associated option id is a feature that already exists on the subscriber associated to the request.
sequenceNumber	Optional	OVM internal use only.
effective date	Optional	Date option was effective.
expirationdate	Optional	Date option expires.
autoUpdateInd	Optional	Indicates OVM added the soc
optionDesc	Optional	Name of option
banLevelOptionInd	Optional	True indicates that associated soc is an account level feature.
relatedOptionId	Optional	Related option soc.
autoAddInd	Optional	Indicates OVM automatically added this option.
cellularSupportInd	Optional	Indicates that associated soc requires a phone number resource
dispatchSupportInd	Optional	Indicates that the associated soc requires a push-to-talk resource
packetDataSupportInd	Optional	Indicates that the associated soc requires a data access resource. Valid values: Y – Yes N – No B – (iDEN private IP) P – (iDEN public IP)
cdmaPacketDataSupportInd	Optional	Indicates that the associated soc requires a CDMA IP resource.
serviceType	Optional	OVM internal use only
productTypeList	Optional	Structure with product definition details

featureInfo	Optional	Structure providing detail feature information.
modifySocFeaturesInd	Optional	Indicates that the features associated with this plan need to be modified

featureInfo

Name	Details	Descriptions
featureId	Optional	Component of the feature (option-id), For internal use only
featureCode	Required	Component of the feature (option-id) , For internal use only
featureName	Optional	Component of the feature (option-id) , For internal use only
featureDesc	Optional	Description of the feature component, For internal use only
allowedNumberRanges	Optional	Indicates maximum number of phone ranges if associated feature is a mobile to office type
numberRangeSize	Optional	Indicates maximum size of the phone range if associated feature is a mobile to office type
msisdInd	Optional	For internal use only
effectiveDateTime	Optional	Effective date and time.
expirationDateTime	Optional	Effective date and time.
productTypeList	Optional	Structure with product definition details.

addOnSocList

Name	Details	Descriptions
addOnSocInfo	Optional	Structure providing detail add on soc information.

addOnSocInfo

Name	Details	Descriptions
soc	Optional	Feature code that was passed in the input.
existingSocInd	Optional	Indicates that associated option id is a feature that already exists on the subscriber associated to the request.
sequenceNumber	Optional	OVM internal use only.
effectiveDateTime	Optional	Date soc was effective.
expirationDateTime	Optional	Date soc was expired.
socDesc	Optional	Soc description.

banLevelInd	Optional	True indicates that associated feature is an account level feature.
relatedSocId	Optional	OVM use internally
autoUpdateInd	Optional	Indicates OVM automatically added the soc.
cellularSupportInd	Optional	Indicates that associated feature requires a phone number resource
autoUpdateInd	Optional	Indicates OVM added the soc automatically.
dispatchSupportInd	Optional	Indicates that the associated feature requires a push-to-talk resource
packetDataSupportInd	Optional	Indicates that the associated feature requires a data access resource. Valid values: Y – Yes N – No B – (iDEN private IP) P – (iDEN public IP)
cdmaPacketDataSupportInd	Optional	Indicates that the associated feature requires a CDMA IP resource.
serviceType	Optional	OVM internal use only
autoAddInd	Optional	Indicates OVM has automatically added this option
productTypeList	Optional	Structure with product definition details.
feature	Optional	Structure providing feature detail info.
modifySocFeaturesInd	Optional	Indicates that the features associated with this plan need to be modified

expiredPricePlanInfo

Name	Details	Descriptions
pricePlanSoc	Required	Plan code.
effectiveDateTime	Optional	Plan effective date.
expirationDateTime	Optional	Plan expiration date.
socDesc	Optional	Plan Name
banLevelPlanInd	Optional	Indicates associated plan id is an account level price plan, for internal use only
autoUpdateInd	Optional	Indicates OVM has automatically added the plan.
cellularSupportInd	Optional	Indicates that associated soc requires a phone number resource
dispatchSupportInd	Optional	Indicates that the associated soc requires a push-to-talk resource – queryPlansDetailInfo.response. price-plan.dc-ind DC Ind

packetDataSupportInd	Optional	Indicates that the associated soc requires a data access resource. Valid values: Y – Yes N – No B – (iDEN private IP) P – (iDEN public IP)
cdmaPacketDataSupportInd	Optional	Indicates that the associated soc requires a CDMA IP resource.
serviceType	Optional	OVM internal use only
productTypeList	Optional	Structure with product definition details.
featureList	Optional	Structure providing feature detail info.
relatedSocList	Optional	Structure providing other option detail info.
naiInd	Required	Indicates that associated price plan requires a CDMA resource.
modifySocFeaturesInd	Optional	Indicates that the features associated with this plan need to be modified

expiredAddOnSocList

Name	Details	Descriptions
addOnSocInfo	Optional	Structure providing detail add on soc information.

expiredResourceList

Name	Details	Descriptions
resourceInfo	Optional	Structure providing detail resource info.

resourceInfo

Name	Details	Descriptions
resourceType	Required	Valid values are: P (PTN or MDN) U (UFMI) H (NDC or HPPTT) I (iDEN IP) N (NAI) S (CDMA IP)
ipType	Optional	Indicates the type of IP Address to request to be

		provisioned
action	Required	Valid values are: ADD RES DEL

changedSocList

Name	Details	Descriptions
changedSocInfo	Optional	Structure providing detail add on soc information.

changedSocInfo

Name	Details	Descriptions
soc	Optional	Feature code that was passed in the input.
existingSocInd	Optional	Indicates that associated soc is a feature that already exists on the subscriber associated to the request.
sequenceNumber	Optional	OVM internal use only.
effectiveDateTime	Optional	Date and time soc was effective.
expirationDateTime	Optional	Date and time
autoUpdateInd	Optional	Indicates OVM added the soc.
banLevelOptionInd	Optional	True indicates that associated feature is an account level feature.
cellularSupportInd	Optional	Indicates that associated feature requires a phone number resource
relatedSoc	Optional	Related soc
dispatchSupportInd	Optional	Indicates that the associated feature requires a push-to-talk resource
packetDataSupportInd	Optional	Indicates that the associated feature requires a data access resource. Valid values: Y – Yes N – No B – (iDEN private IP) P – (iDEN public IP)
cdmaPacketDataSupportInd	Optional	Indicates that the associated feature requires a CDMA IP resource.
serviceType	Optional	OVM internal use only
autoAddInd	Optional	Indicates OVM has automatically added this option
productTypeList	Optional	Structure with product definition details.

feature	Optional	Structure providing feature detail info.
modifySocFeaturesInd	Optional	Indicates that the features associated with this plan need to be modified

legacyPlanList

Name	Details	Descriptions
legacyPlanList	Optional	List of legacy plan ids

legacyPlanInfo

Name	Details	Descriptions
pricePlanSoc	Optional	

resourceList

Name	Details	Descriptions
resourceInfo	Optional	Structure providing detail resource info.

suggestionGroupList

Name	Details	Descriptions
suggestionGroupInfo	Optional	Structure providing suggestion group info.

suggestionGroupInfo

Name	Details	Descriptions
suggestionGroupId	Required	Indicates the specific suggestion group number of the price plan soc conflict.
conflictingSocList	Required	Structure providing conflicting SOC info.
conflictSocDescList	Required	Description of the error message associated with the plan or Soc conflict.
suggestionList	Optional	Provides detail info for suggested actions to resolve the conflict

conflictingSocList

Name	Details	Descriptions
conflictingSocInfo	Optional	Structure providing conflicting soc info.

conflictingSocInfo

Name	Details	Descriptions
Soc	Required	soc

conflictingSocDescList

Name	Details	Descriptions
conflictingSocDescInfo	Optional	Structure providing conflicting soc info.

conflictingSocDescInfo

Name	Details	Descriptions
conflictDesc	Required	

suggestionList

Name	Details	Descriptions
suggestionInfo	Required	Structure providing conflict resolution suggestions

suggestionInfo

Name	Details	Descriptions
suggestionId	Required	Indicates the suggestion number of the available suggestion for the PP/SOC conflict in the Service Validation Response
actionList	Required	List of proposed actions to resolve conflicts

actionList

Name	Details	Descriptions
actionInfo	Required	Structure providing action info to resolve conflicts.

actionInfo

Name	Details	Descriptions
Type	Required	Action type
pricePlanList	Optional	price plan list
socList	Optional	soc list

pricePlanList

Name	Details	Descriptions
pricePlanInfo	Required	Price plan info

pricePlanInfo

Name	Details	Descriptions
priceplanSoc	Required	Plan code.
socdesc	Optional	Plan Name
socLongDesc	Required	Plan description
planCategory	Optional	Plan category
banLevelPlanInd	Optional	Indicates associated plan id is an account level price plan, for internal use only
cellularSupportInd	Optional	Indicates that associated soc requires a phone number resource
dispatchSupportInd	Optional	Indicates that the associated soc requires a push-to-talk resource
packetDataSupportInd	Optional	Indicates that the associated soc requires a data access resource. Valid values: Y – Yes N – No B – (iDEN private IP) P – (iDEN public IP)
cdmaPacketDataSupportInd	Optional	Indicates that the associated soc requires a CDMA IP resource.
recurringcharge	Optional	price plan recurring charge
recurringchargeList	Optional	List of recurring charges
oneTimeCharge	Optional	Indicates the amount of an applicable one time charge in order to select the associated price plan
planPriority	Required	Can be optionally used to determine sorting order of the price plans returned
dataAllowance	Optional	Data allowance
sequenceNumber	Required	For OVM Internal Use only
planTypeInfo	Optional	Structure providing plan type info
contractMonths	Required	Indicates if the associated price plan requires a 0, 12, or 24 month service agreement if selected
allowedNumberRanges	Optional	Indicates maximum number of phone ranges if associated price plan is a mobile to office type
numberRangeSize	Optional	Indicates maximum size of the phone range if associated price plan is a mobile to office type

taxExclusive	Optional	For OVM internal use only.
productTypeList	Optional	Structure providing product definition information.
corpRequiredInd	Optional	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
planEquivalentInd	Optional	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
affinityInfo	Optional	Structure providing affinity detail information
detailPlanInfo	Required	Structure providing detail plan information
featureInfo	Optional	Structure providing feature detail info.
relatedSocInfo	Optional	Structure providing included SOC information.

ItsRecurringChargeList

Name	Details	Descriptions
maxLtsSubscribers	Required	Indicates the maximum number of subscribers that can share the associated sharing price plan
ItsRecurringChargeInfo	Required	Family plan recurring charge info

ItsRecurringChargeInfo

Name	Details	Descriptions
rank	Required	Rank of subscriber within family plan.
recurringCharge	Required	Recurring charge of associated family plan ranked subscriber

planTypeInfo

Name	Details	Descriptions
nationalPlanInd	Optional	Y indicates the price plan is a national plan
addOnPlanInd	Optional	Y indicates the price plan is an add-on sharing plan
familyPlanInd	Optional	Y indicates the price plan is a sharing plan.
regionalPlanInd	Optional	Y indicates the price plan is a regional plan.
promotionalPlanInd	Optional	Y indicates the price plan is a promotional plan
legacyPlanInd	Optional	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.

affinityInfo

Name	Details	Descriptions
affinityRegistratinSoc	Required	Affinity plan
affinityName	Required	Name of the affinity
affinityAttributeList	Optional	Affinity Attribute Structure

affinityattributeList

Name	Details	Descriptions
affinityAttributeInfo	Required	Affinity AttributeInfo

affinityattributeInfo

Name	Details	Descriptions
name	Required	Affinity Attribute name
code	Required	Affinity Attribute code
type	Optional	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.
length	Optional	Length of affinity attribute
requiredInd	Optional	Valid values are: Y (Required) and N (Optional)
mask	Optional	The mask of the affinity attribute
pattern	Optional	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
value	Optional	Contains the default value for the attribute that may or may not be editable based on the editable tag.
editableInd	Optional	Valid values are: Y (Editable) and N (Not Editable)

detailPlanInfo

Name	Details	Descriptions
totalMinutes	Required	Indicates the total number of minutes the associated price plan includes
anytimeMinutes	Required	Indicates the total number of anytime minutes the associated price plan includes
nightWeekendMinutes	Required	Indicates the total number of night and weekend minutes the associated price plan includes
extraAnytimeMinutesCharge	Required	The per-minute overage charge that is assessed when anytime minutes have been exhausted in a single billing period
longDistanceCharge	Required	The per-minute long distance charge.
unitSmsCharge	Required	Charge for SMS messaging if not included in plan or optional feature
callForwardingChargeRate	Required	Charge to setup call forwarding with cell phone number
etf	Required	The early termination fee associated with this price plan
m2mMinutes	Required	Included mobile-to-mobile minutes
intlChargePerMinute	Required	The per-minute international charge
roamingCharge	Required	The per-minute roaming charge
averageCharge	Required	
nationalRoamingcharge	Required	The per minute national roaming charge
longDistanceMinutes	Required	Number of long distance minutes included
intlRoamingCharge	Required	The per-minute international roaming charge
billingIncrement	Required	Indicates the increment the recurring charge occurs
wirelessInternetChargeRate	Required	Data charge rate
numericPagingChargeRate	Required	n/a
faxDataChargeRate	Required	n/a
familyMinutes	Required	Number of sharing minutes included
airtimeRate	Required	n/a
walkieTalkieMinutes	Required	Number of Direct Connect minutes included
walkieTalkieOverageChargeRate	Required	Overage charge rate for Direct Connect usage
nationwideDcChargeRate	Optional	N/a

socList

Name	Details	Descriptions
socInfo	Required	Soc Info

socInfo

Name	Details	Descriptions
soc	Required	Soc code.
socdesc	Optional	Soc Name
socLongDesc	Required	Soc description
banLevelOptionInd	Optional	Indicates associated plan id is an account level price plan, for internal use only
cellularSupportInd	Optional	Indicates that associated soc requires a phone number resource
dispatchSupportInd	Optional	Indicates that the associated soc requires a push-to-talk resource
packetDataSupportInd	Optional	Indicates that the associated soc requires a data access resource. Valid values: Y – Yes N – No B – (iDEN private IP) P – (iDEN public IP)
cdmaPacketDataSupportInd	Optional	Indicates that the associated soc requires a CDMA IP resource.
recurringcharge	Optional	price plan recurring charge
recurringchargeList	Optional	List of recurring charges
oneTimeCharge	Optional	Indicates the amount of an applicable one time charge in order to select the associated price plan
mutuallyExclusiveInd	Optional	Indicates is mutually exclusive
contractMonths	Required	Indicates if the associated price plan requires a 0, 12, or 24 month service agreement if selected
allowedNumberRanges	Optional	Indicates maximum number of phone ranges if associated price plan is a mobile to office type
numberRangeSize	Optional	Indicates maximum size of the phone range if associated price plan is a mobile to office type
productTypeList	Optional	Structure providing product definition information.
corpRequiredInd	Optional	Indicates if the associated price plan is required to be chosen because of the corp gov id provided in the Plans Request
socEquivalentInd	Optional	Indicates if associated price plan is the technology equivalent (based on brand-type) of the subscriber's existing plan.
sourceSoc	Optional	source Soc
affinityInfo	Optional	Structure providing affinity detail information
socCategory	Optional	Soc category

featureList	Optional	Structure providing feature detail info.
-------------	----------	--

validationErrorInfo

Name	Details	Descriptions
errorCode	Required	Identifies the OVM error code
errorSubName	Optional	Identifies the OVM error sub name
errorDescription	Optional	Description of the OVM error

susbscriberInfo

Name	Details	Descriptions
mdn	Required	Mobile Directory Number
ufmi	Optional	Urban Fleet Member Identifier String contains the concatenation of the Urban Identifier, '*' Fleet Identifier, '*' and Member Identifier used to identify the Direct Connect Subscriber in the iDen network.
ufmiRangeInd	Optional	Designates whether the UFMI is out of range. If 'true', UFMI is out of range. If 'false', UFMI is not out of range.

2.4.2 Output Parameters

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

querySubscriberAdditionalServicesInfoResponse

Name	Details	Descriptions
affinityDetailInfo	Optional	Affinity detail information
hppttInfo	Optional	High Performance Push To Talk detail information
staticIpNgpList	Optional	1 to many (unbound) staticIpNgpInfo records.
mobileToHomeOrOfficeInfo	Optional	
ssitInfo	Optional	Subscriber Specific Informational Text (SSIT) Information

affinityDetailInfo

Name	Details	Descriptions
soc	Required	Service offer code that was passed in the input which triggered the need for the additional subscriber service information.
affinityCode	Required	Affinity code associated with the affinity program
affinityDesc	Required	Affinity description
attributeInfoList	Required	One to many attributeInfo structures (unbound)
affinitySocList	Required	One to many affinitySocInfo structures (unbound)

attributeInfoList

Name	Details	Descriptions
attributeInfo	Required	Attribute information

attributeInfo

Name	Details	Descriptions
Name	Required	Attribute name - description of the affinity attribute (If the attribute name is "AFFINITY_CODE" then the attribute value will be the affinity code.)
Value	Required	Attribute Value: It's used to provide the ability to view/update the current affinity attribute values via all front ends (CSM, RMS+, FDT, TOES, sVIEW, EAI, WINS). The default value for the attribute that may or may not be editable based on the editable tag.
Type	Required	Type of the attribute: Example: string. Valid values are: 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
Size	Required	Attribute size - The length of the affinity attribute
notNullInd	Required	Indicates whether the attribute is required or optional. Valid values are: Y (Required) and N (Optional)
Pattern	Optional	Attribute Pattern The pattern value will be used to display the user entered text. (If the pattern is XX-XXXXX, and the user enters 1234567 then display the user-entered text as 12-34567. X denotes the user entered values). 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
Mask	optional	Attribute mask- The mask of the affinity attribute

affinitySocList

Name	Details	Descriptions
affinitySocInfo	Required	One to many affinitySocList structures (unbound)

affinitySocInfo

Name	Details	Descriptions
affinitySocType	Required	Indicates whether the SOC is Affinity Registration SOC or Affinity SOC
socCode	Required	Service Order Code
socDesc	Optional	SOC Description
socLevelCode	Optional	Indicates whether the Price Plan or the SOC is at a PTN level, at a BAN level or at a Product Level. Values– B-ban level, C-sub level, P-product level
discountCode	Optional	Discount associated with the SOC
discountDesc	Optional	Discount description
effectiveDate	Required	Discount effective date (format YYYY-MM-DD)
expiryDate	Optional	Discount expiry date (format YYYY-MM-DD)

hppttInfo

Name	Details	Descriptions
soc	Required	Service offer code that was passed in the input which triggered the need for the additional subscriber service information.
captureTypeOfHppttIdInd	Required	Indicate the customer can chose type of HPPTT ID (Match MDN / Do not Match MDN / Match iDen UFMI) If HPP (NDC provisioning feature) – P or HPB (NDC raing & provisioning feature) – B then this value will be set to ‘True’.
matchMdnInd	Required	Indicate the customer can choose to match the direct connect number to the MDN Note: Returned when subscriberInfo is provided in the request
doNotMatchMdnInd	Required	Indicate the customer can choose to match the direct connect number to the MDN Note: Returned when subscriberInfo is provided in the request

matchUfmiInd	Required	Indicate the customer can choose to match the direct connect number to the existing iDen UFMI Note: Returned when subscriberInfo is provided in the request
matchPortInPtnInd	Optional	Indicate that the direct connect number can be matched to the Port In MDN Note:Returned when portInMdn is provided in the request

staticIpNgpInfo

Name	Details	Descriptions
soc	Required	Service offer code that was passed in the input which triggered the need for the additional subscriber service information.
defaultNgpInfo	Optional	Default NGP information
availableNgpList	Optional	1 to many (unbound) availableNgpInfo records.
reservedPoolInd	Optional	Indicate if there are any reserved pools for the ban. Note: Returned if newlyCreatedBanInd=true

defaultNgpInfo

Name	Details	Descriptions
ipNgp	Optional	Internet Protocol Number Group code for Static IP address allocation (for the CDMA Static Public IP resource data feature).
ngpDesc	Optional	Static Internet Protocol Description describes the Internet Protocol Number Group code for Static IP address allocation.
npgReservedPoolCd	Optional	Indicate if the NPG has a reserved pool with available IP address. A - There is a reserved pool with available IP's that are above a configurable minimum amount N – There is a reserved pool with available IP's but there are less than the configurable minimum amount Not returned if the NPG does not have any reserved Pool Note: Returned if newlyCreatedBanInd=true

availableNgpInfo

Name	Details	Descriptions
ngp	Required	The NGP (Number Group) is identified as CSA by the Ensemble billing system and groups ranges for a number of resources such as IPs, IMSIs, NPANXXs, and UFs . This grouping represents a geographical zone that includes specific ranges.
ngpShortDesc	Required	Number Group Short Description is an abbreviated description of a specific number group (NGP).
ngpDesc	Required	Number Group Description is a description of a specific number group (NGP).
npgReservedPoolCd	Optional	<p>Indicate if the NPG has a reserved pool with available IP address.</p> <p>A - There is a reserved pool with available IP's that are above a configurable minimum amount</p> <p>N – There is a reserved pool with available IP's but there are less than the configurable minimum amount</p> <p>Not returned if the NGP does not have any reserved Pool</p> <p>Note: Returned if newlyCreatedBanInd=true</p>

mobileToHomeOrOfficeInfo

Name	Details	Descriptions
soc	Optional	Feature code that was passed in the input.
existingSocInd	Optional	Indicates that associated option id is a feature that already exists on the subscriber associated to the request.
socDesc	Optional	Soc description.
banLevelInd	Optional	True indicates that associated feature is an account level feature.
numberRangeInfo	Optional	Structure providing number range info.

numberRangeInfo

Name	Details	Descriptions
allowedNumberRanges	Required	Value indicates maximum number of phone ranges if associated feature is a mobile to office type.
numberRangeSizeIsRangeInd	Required	Will be set to false for value of 1 or Set to true for range of numbers allowed.

ssitInfo

Name	Details	Descriptions
ssitLabel1	Optional	Subscriber Specific Informational Text Label 1 Will be used as the title for the first of the SSIT fields on the Subscriber's bill.
ssitValue1	Optional	Subscriber Specific Informational Text Value 1 Will be used as the value that will follow SSIT Label1 on the Subscriber's bill. Will be returned only if subsId identifier sent in input.
ssitLabel2	Optional	Subscriber Specific Informational Text Label 2 Will be used as the title for the second of the SSIT fields on the Subscriber's bill.
ssitValue2	Optional	Subscriber Specific Informational Text Value 2 Will be used as the value that will follow SSIT Label2 on the Subscriber's bill. Will be returned only if subsId identifier sent in input.
ssitLabel3	Optional	Subscriber Specific Informational Text Label 3 Will be used as the title for the third of the SSIT fields on the Subscriber's bill.
ssitValue3	Optional	Subscriber Specific Informational Text Value 3 Will be used as the value that will follow SSIT Label3 on the Subscriber's bill. Will be returned only if subsId identifier sent in input.
ssitLabel4	Optional	Subscriber Specific Informational Text Label 4 Will be used as the title for the fourth of the SSIT fields on the Subscriber's bill.
ssitValue4	Optional	Subscriber Specific Informational Text Value 4 Will be used as the value that will follow SSIT Label4 on the Subscriber's bill. Will be returned only if subsId identifier sent in input.

2.4.3 Sample Request Message

```
<soapenv:Envelope
  xmlns:soapenv = "http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:v2 = "http://integration.sprint.com/common/header/WSMessageHeader/v2"
  xmlns:quer =
    "http://integration.sprint.com/interfaces/querySubscriberAdditionalServicesInfo/v1/querySubscriberAdditio
    nalServicesInfo.xsd">
  <soapenv:Header>
    <v2:wsMessageHeader>
      <v2:trackingMessageHeader>
        <v2:applicationId>7UL</v2:applicationId>
        <v2:applicationUserId>test</v2:applicationUserId>
        <v2:consumerId>7UL</v2:consumerId>
        <v2:messageId>123</v2:messageId>
        <v2:timeToLive>0</v2:timeToLive>
        <v2:messageDateTimeStamp>2009-12-15T00:00:00</v2:messageDateTimeStamp>
      </v2:trackingMessageHeader>
    </v2:wsMessageHeader>
  </soapenv:Header>
  <soapenv:Body>
    <quer:querySubscriberAdditionalServicesInfo>
      <quer:portInMdn>9123111111</quer:portInMdn>
      <quer:csa>LAXLAX323</quer:csa>
      <quer:addOnSocList>
        <quer:addOnSocInfo>
          <quer:soc>BLKREGSOC</quer:soc>
          <quer:banLevelInd>>false</quer:banLevelInd>
          <quer:cdmaPacketDataSupportInd>>true</quer:cdmaPacketDataSupportInd>
          <quer:productTypeList>
            <quer:productTypeInfo>
              <quer:productId>AFR</quer:productId>
            </quer:productTypeInfo>
          </quer:productTypeList>
          <quer:featureList>
            <quer:featureInfo>
              <quer:featureCode>ABC</quer:featureCode>
              <quer:allowedNumberRanges>5</quer:allowedNumberRanges>
              <quer:numberRangeSize>10</quer:numberRangeSize>
            </quer:featureInfo>
          </quer:featureList>
        </quer:addOnSocInfo>
      </quer:addOnSocList>
    </quer:querySubscriberAdditionalServicesInfo>
  </soapenv:Body>
</soapenv:Envelope>
```

2.4.4 Sample Response Message

```
<SOAP-ENV:Envelope
  xmlns:SOAP-ENC = "http://schemas.xmlsoap.org/soap/encoding/"
  xmlns:SOAP-ENV = "http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd = "http://www.w3.org/2001/XMLSchema"
  xmlns:xsi = "http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Header>
    <m:wsMessageHeader xmlns:m =
"http://integration.sprint.com/common/header/WSMessageHeader/v2">
      <m:trackingMessageHeader>
        <m:applicationId>7UL</m:applicationId>
        <m:applicationUserId>test</m:applicationUserId>
        <m:consumerId>7UL</m:consumerId>
        <m:messageId>123</m:messageId>
        <m:conversationId/>
        <m:timeToLive>0</m:timeToLive>
        <m:replyCompletionCode>0</m:replyCompletionCode>
        <m:messageDateTimeStamp>2011-09-29T17:28:18-05:00</m:messageDateTimeStamp>
      </m:trackingMessageHeader>
    </m:wsMessageHeader>
  </SOAP-ENV:Header>
  <SOAP-ENV:Body
    wsu:Id = "Body-22ee85e5-d881-4fe6-9eca-7432ae654d"
    xmlns:wsu = "http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
    <quer1:querySubscriberAdditionalServicesInfoResponse
      xmlns:quer =
"http://integration.sprint.com/integration/interfaces/querySubscriberAdditionalServicesInfoBtV1/v1/queryS
ubscriberAdditionalServicesInfoBtV1"
      xmlns:quer1 =
"http://integration.sprint.com/interfaces/querySubscriberAdditionalServicesInfo/v1/querySubscriberAdditio
nalServicesInfo.xsd">
      <quer1:affinityDetailInfo>
        <quer1:affinityCode>BLK_IND</quer1:affinityCode>
        <quer1:affinityDesc>Blockbuster Number</quer1:affinityDesc>
        <quer1:attributeInfoList>
          <quer1:attributeInfo>
            <quer1:name>PARAM_VAL</quer1:name>
            <quer1:value>AFFINITY_CODE</quer1:value>
            <quer1:type>S</quer1:type>
            <quer1:size>7</quer1:size>
            <quer1:NotNullInd>true</quer1:NotNullInd>
            <quer1:pattern>XXXXXXXX</quer1:pattern>
            <quer1:mask xsi:nil = "true"/>
          </quer1:attributeInfo>
          <quer1:attributeInfo>
            <quer1:name>PRM1</quer1:name>
            <quer1:value>MEMBER_ID</quer1:value>
            <quer1:type>N</quer1:type>
            <quer1:size>9</quer1:size>
            <quer1:NotNullInd>true</quer1:NotNullInd>
            <quer1:pattern>#####</quer1:pattern>
```

```

    <quer1:mask xsi:nil = "true"/>
  </quer1:attributeInfo>
</quer1:attributeInfoList>
<quer1:affinitySocList>
  <quer1:affinitySocInfo>
    <quer1:affinitySocType>R</quer1:affinitySocType>
    <quer1:socCode>BLKREGSOC</quer1:socCode>
    <quer1:socDesc>Reg Affinity Blockb Member SOC</quer1:socDesc>
    <quer1:socLevelCode>C</quer1:socLevelCode>
    <quer1:discountCode xsi:nil = "true"/>
    <quer1:discountDesc xsi:nil = "true"/>
    <quer1:effectiveDate xsi:nil = "true"/>
    <quer1:expiryDate xsi:nil = "true"/>
  </quer1:affinitySocInfo>
  <quer1:affinitySocInfo>
    <quer1:affinitySocType>A</quer1:affinitySocType>
    <quer1:socCode>BLKAFF</quer1:socCode>
    <quer1:socDesc>Affinity Blockbuster Mem SOC</quer1:socDesc>
    <quer1:socLevelCode>C</quer1:socLevelCode>
    <quer1:discountCode>AFFNY</quer1:discountCode>
    <quer1:discountDesc>Affinity Discount - 5%</quer1:discountDesc>
    <quer1:effectiveDate>1980-01-02</quer1:effectiveDate>
    <quer1:expiryDate>2010-09-07</quer1:expiryDate>
  </quer1:affinitySocInfo>
</quer1:affinitySocList>
</quer1:affinityDetailInfo>
<quer1:staticIpNgpInfo>
  <quer1:defaultNgpInfo>
    <quer1:ipNgp>CBUR</quer1:ipNgp>
    <quer1:ngpDesc>STATIC BURBANK</quer1:ngpDesc>
  </quer1:defaultNgpInfo>
  <quer1:availableNgpList>
    <quer1:availableNgpInfo>
      <quer1:ngp>CATL</quer1:ngp>
      <quer1:ngpShortDesc>CATL</quer1:ngpShortDesc>
      <quer1:ngpDesc>STATIC ATLANTA</quer1:ngpDesc>
    </quer1:availableNgpInfo>
    <quer1:availableNgpInfo>
      <quer1:ngp>CBUR</quer1:ngp>
      <quer1:ngpShortDesc>CBUR</quer1:ngpShortDesc>
      <quer1:ngpDesc>STATIC BURBANK</quer1:ngpDesc>
    </quer1:availableNgpInfo>
    <quer1:availableNgpInfo>
      <quer1:ngp>CCHI</quer1:ngp>
      <quer1:ngpShortDesc>CCHI</quer1:ngpShortDesc>
      <quer1:ngpDesc>STATIC CHICAGO</quer1:ngpDesc>
    </quer1:availableNgpInfo>
    <quer1:availableNgpInfo>
      <quer1:ngp>CHAR</quer1:ngp>
      <quer1:ngpShortDesc>CHAR</quer1:ngpShortDesc>
      <quer1:ngpDesc>STATIC HARRISON</quer1:ngpDesc>
    </quer1:availableNgpInfo>
  </quer1:availableNgpList>
</quer1:staticIpNgpInfo>

```

```
</quer1:querySubscriberAdditionalServicesInfoResponse>  
</SOAP-ENV:Body>  
</SOAP-ENV:Envelope>
```

2.5 ValidatePlansAndOptions

This 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.

2.5.1 Input Parameters

The input request to ValidatePlansAndOptions API consists of two parts, the WSMessagesHeader V2 and the request data structure

trackingMessageHeader

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 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.

validatePlansAndOptions

Name	Details	Descriptions
callingApplicationInfo	Required	Structure providing information regarding the calling front end
serviceAgreementInfo	Required	Structure providing detail info of validation request.

callingApplicationInfo

Name	Details	Descriptions
pin	Required	Combination of vendorCode and pin is used to differentiate the calling system (channel).
vendorCode	Required	Combination of vendorCode and pin is used to differentiate the calling system (channel).
orderId	Optional	Activation Order Identifier uniquely identifies an Activation Order.
storeId	Optional	Identifies store for reporting purposes.
associateId	Optional	Identifies associate for reporting purposes.
brandCode	Optional	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')

serviceAgreementInfo

Name	Details	Descriptions
action	Required	Structure identifying transaction type for validation
banInfo	Required	Structure identifying ban information.
primarySubscriberInfo	Optional	Structure identifying subscriber information.
orderInfo	Required	Structure identifying order information.
serviceAreaInfo	Required	Structure identifying service area information.
deviceInfo	Optional	Structure providing device information.
pricePlanOrSocInfo	Optional	Structure providing plan and soc information.
airaveInfo	Optional	Structure providing airave info
bundleSubValidationInfo	Optional	Structure identifying pending “shopping cart” order lines to be used in cross-sub rule validation

action

Name	Details	Descriptions
actionType	Required	Type of transaction for validation
deviceSwapInd	Optional	Device Swap Indicator
planChangeInd	Optional	Plan Change Indicator
serviceAddInd	Optional	Indicates service to be added
marketSwapInd	Optional	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
addLtsServiceInd	Optional	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
swapLtsGroupInd	Optional	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.
validateSubInd	Optional	Indicates duplicating subscriber's existing services. N/A if action-type = CREATE and optional if action-type = UPDATE.
duplicateSubInd	Conditional	Required for duplicating subscriber's existing services. N/A if action-type = CREATE, required if action-type = UPDATE and mdn is not populated
subscriberId	Conditional	Subscriber id. N/A if action-type = CREATE and optional if action-type = UPDATE. Required for validating subscriber's existing services against new BAN.
targetSub	Conditional	Target subscription. N/A if action-type = CREATE, optional if action-type = UPDATE and duplicate-sub is set to true
addSubCount	Conditional	N/A if action-type = CREATE, optional if action-type = UPDATE and duplicate-sub is set to true
targetBan	Conditional	Target ban. N/A if action-type = CREATE, required if action-type = UPDATE and subscriber-id is not populated
mdn	Conditional	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
existingServiceId	Conditional	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
modifyFuturePlanInd	Optional	Indicates if plan is futured dated or not.

banInfo

Name	Details	Descriptions
Ban	Choice	Customer billing account
accountType	Choice	The type of account to be used to determine which plans to return. If accountSubType sent, accountType should be sent. I, B, C, G
accountSubType	Choice	Subscription type to be used to determine which plans to return. If accountType sent, accountSubType should be sent. I, B, H, N, G, 4
customerTypeDesc	Choice	Specifies customer type if account type and sub type are not provided. Valid values: INDIVIDUAL BUSINESS CORPORATE_INDIVIDUAL CORPORATE_BUSINESS GOVERNMENT_INDIVIDUAL GOVERNMENT_BUSINESS
creditClass	Optional	Credit class of the subscriber
corpId	Optional	The corporate id and government id of the associated subscriber.

primarySubscriberInfo

Name	Details	Descriptions
primarySubscriberId	Conditional	Subscriber id Required when a subscriber is attempting to add to an existing family plan and a primary-plan-id is not provided
primarySoc	Conditional	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

orderInfo

Name	Details	Descriptions
orderDate	Required	Order Date
salesChannel	Optional	Sales Channel

serviceAreaInfo

Name	Details	Descriptions
serviceAreaZip	Choice	Structure to indicate the zip code for which associated plans should be returned. This is required if the CSA, submarket is not provided.
submarket	Choice	Sub market. This is required if the service zip code, or CSA is not provided.
Csa	Choice	Coverage Service Area

serviceAreaZip

Name	Details	Descriptions
Zipcode	Required	Zip code of service area.
zip4Code	Optional	Zip extension code.

deviceInfo

Name	Details	Descriptions
itemId	Choice	Item id, or model id of the subscriber's device.
meid	Choice	MEID of the subscriber's device. Required if hsn is not provided.
hsn	Choice	iDEN device serial number
macId	Choice	Media Access Control Identifier

pricePlanOrSocInfo

Name	Details	Descriptions
pricePlanSoc	Optional	Price Plan Soc
effectiveDateTime	Optional	Effective date and time
ItsRank	Optional	family plan rank
contractMonths	Optional	Number of months in contract
specialRatedMdnList	Optional	Structure specifying phone number and ranges which qualify for special rating.
addOnSocList	Optional	Structure providing list of add on Socs

specialRatedMdnList

Name	Details	Descriptions
phoneNumber	Choice	Phone Number holds the concatenation of the NPA Number, NXX Number and Line Number into a single string.
phoneNumberRange	Choice	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

addOnSocList

Name	Details	Descriptions
addOnSocInfo	Required	Structure providing add on soc detail.

addOnSocInfo

Name	Details	Descriptions
Soc	Required	Soc
effectiveDateTime	optional	Effective date and time
expirationDateTime	Optional	Expiration date and time
ItsRank		Family plan rank
specialRatedMdnList	Optional	Structure specifying phone number and ranges which qualify for special rating.

specialRatedMdnList

Name	Details	Descriptions
phoneNumber	Choice	Phone Number holds the concatenation of the NPA Number, NXX Number and Line Number into a single string.
phoneNumberRange	Choice	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

airaveInfo

Name	Details	Descriptions
airaveInd	Optional	Indicates order involves an airave device

bundleSubValidationInfo

Name	Details	Descriptions
pendingPlanOrSocInfoList	Required	

pendingPlanOrSocInfoList

Name	Details	Descriptions
orderLineId	Required	Unique value for each order line
action	Required	
pricePlanOrSocInfo	Optional	Structure providing plan and soc information.

action

Name	Details	Descriptions
actionType	Required	Type of transaction for validation
deviceSwapInd	Optional	Device Swap Indicator
planChangeInd	Optional	Plan Change Indicator
serviceAddInd	Optional	Indicates service to be added
marketSwapInd	Optional	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
addLtsServiceInd	Optional	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
swapLtsGroupInd	Optional	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.
validateSubInd	Optional	Indicates duplicating subscriber's existing services. N/A if action-type = CREATE and optional if action-type = UPDATE.
duplicateSubInd	Optional	Required for duplicating subscriber's existing services. N/A if action-type = CREATE, required if action-type = UPDATE and mdn is not populated
subscriberId	Optional	Subscriber id. N/A if action-type = CREATE and optional if action-type = UPDATE. Required for validating subscriber's existing services against new BAN.
targetSub	Optional	Target subscription. N/A if action-type = CREATE, optional if action-type = UPDATE and duplicate-sub is set to true
addSubCount	Optional	N/A if action-type = CREATE, optional if action-type = UPDATE and duplicate-sub is set to true
targetBan	Optional	Target ban. N/A if action-type = CREATE, required if action-type = UPDATE and subscriber-id is not populated
mdn	Optional	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
existingServiceId	Optional	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

pricePlanOrSocInfo

Name	Details	Descriptions
pricePlanSoc	Optional	Price Plan Soc
effectiveDateTime	Optional	Effective date and time
ItsRank	Optional	family plan rank
contractMonths	Optional	Number of months in contract
specialRatedMdnList	Optional	Structure specifying phone number and ranges which qualify for special rating.
addOnSocList	Optional	Structure providing list of add on Socs

specialRatedMdnList

Name	Details	Descriptions
specialRatedMdnInfo	Required	

specialRatedMdnInfo

Name	Details	Descriptions
phoneNumber	Required	Phone Number holds the concatenation of the NPA Number, NXX Number and Line Number into a single string.
phoneNumberRange	Required	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

addOnSocList

Name	Details	Descriptions
addOnSocInfo	Required	Structure providing add on soc detail.

addOnSocInfo

Name	Details	Descriptions
Soc	Required	Soc
effectiveDateTime	Optional	Effective date and time
expirationDateTime	Optional	Expiration date and time
ItsRank	Optional	Family plan rank

specialRatedMdnList	Optional	Structure specifying phone number and ranges which qualify for special rating.
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specialRatedMdnList

Name	Details	Descriptions
specialRatedMdnInfo	Required	

specialRatedMdnInfo

Name	Details	Descriptions
phoneNumber	Required	Phone Number holds the concatenation of the NPA Number, NXX Number and Line Number into a single string.
phoneNumberRange	Required	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

2.5.2 Output Parameters

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

validatePlansAndOptionsResponse

Name	Details	Descriptions
validationSucceeded	Required	Indicates validation succeeded or failed.
familySubPpChange	Optional	Indicates that subscribers that have the sharing plan of the subscriber sent in the Request must have their price plan changed also
secBundleSubPricePlanChangeRequire dList	Optional	Indicates List of Secondary subscribers that must change price plan to align with the requested removal of the primary plan sent in the Request
ItsSubRemaining	Optional	Indicates how many additional subs are able to be added to the family/sharing plan that was selected in the request.
pricePlanInfo	Optional	Provides primary plan information.
addOnSocList	Optional	Provides add on soc information.
expiredPricePlanInfo	Optional	Provides info on plan that should be expired.
expiredAddOnSocList	Optional	Provides info on add on Socs that should be expired.
expiredResourceList	Optional	Provides info on resources that should be expired.
changedSocsList	Optional	Provides changed Socs information.
legacyPlansList	Optional	Provides legacy plan names.
resourceList	Optional	Provides internal information only for OVM.
suggestionGroupList	Optional	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.
dataSocInd	Required	Indicates whether the subscriber will have data soc by the end of the transaction as sent in the Service Validation Request. Values: True, False
messagingSocInd	Required	Indicates whether the subscriber will have messaging soc by the end of the transaction as sent in the Service Validation Request. Values: True, False
validationErrorInfo	Optional	Includes OVM service validation error information

		for error type = 4. Additional information may be provided in response.
voiceControlValidInd	Optional	Indicates whether subscriber/device supports Voice Control or not and will only be returned when actionType is “CHECK” on the request.

secBundleSubPricePlanChangeRequiredList

Name	Details	Descriptions
secBundleSubPricePlanChangeRequiredInfo	Required	Indicates List of Secondary subscribers that must change price plan to align with the requested removal of the primary plan sent in the Request

secBundleSubPricePlanChangeRequiredInfo

Name	Details	Descriptions
primaryBundleSoc	Required	Identifies the primary bundled SOC
secondaryBundleSoc	Required	Identifies the secondary bundled SOC
removeSecondarySubscriberCount	Required	The number of secondary SOC's that must be removed (may be less than the number secondary subscribers that exist on the account)
secSubscriberList	Required	Contains secSubscriberInfo, which contains a list of secondary subscribers

secSubscriberList

Name	Details	Descriptions
secSubscriberInfo	Required	List of secondary subscribers

secSubscriberInfo

Name	Details	Descriptions
secSubscriberInfo	Required	Secondary Subscriber Id
mdn	Optional	MDN of the Subscriber

pricePlanInfo

Name	Details	Descriptions
pricePlanSoc	Required	Plan code.
effectiveDateTime	Optional	Plan effective date.
expirationDateTime	Optional	Plan expiration date.

socDesc	Optional	Plan Name
banLevelPlanInd	Optional	Indicates associated plan id is an account level price plan, for internal use only
autoUpdateInd	Optional	Indicates OVM has automatically added the plan.
cellularSupportInd	Optional	Indicates that associated soc requires a phone number resource
dispatchSupportInd	Optional	Indicates that the associated soc requires a push-to-talk resource
packetDataSupportInd	Optional	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
cdmaPacketDataSupportInd	Optional	Indicates that the associated soc requires a CDMA IP resource.
serviceType	Optional	OVM internal use only
productTypeList	Optional	Structure with product definition details.
featureList	Optional	Structure providing feature detail info.
relatedSocList	Optional	Structure providing other option detail info.
naiInd	Required	Indicates that associated price plan requires a CDMA resource.
modifySocFeaturesInd	Optional	Indicates that the features associated with this plan need to be modified

productTypeList

Name	Details	Descriptions
productTypeInfo	Optional	Structure with product type information

productTypeInfo

Name	Details	Descriptions
productId	Optional	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)

relatedSocList

Name	Details	Descriptions
relatedSocInfo	Optional	Structure for related soc info detail

relatedSocInfo

Name	Details	Descriptions
soc	Optional	Soc code of the option.
existingSocInd	Optional	Indicates that associated option id is a feature that already exists on the subscriber associated to the request.

sequenceNumber	Optional	OVM internal use only.
effective date	Optional	Date option was effective.
expirationdate	Optional	Date option expires.
autoUpdateInd	Optional	Indicates OVM added the soc
optionDesc	Optional	Name of option
banLevelOptionInd	Optional	True indicates that associated soc is an account level feature.
relatedOptionId	Optional	Related option soc.
autoUpdateInd	Optional	Indicates OVM automatically added this option.
cellularSupportInd	Optional	Indicates that associated soc requires a phone number resource
dispatchSupportInd	Optional	Indicates that the associated soc requires a push-to-talk resource
packetDataSupportInd	Optional	Indicates that the associated soc requires a data access resource. Valid values: Y – Yes N – No B – (iDEN private IP) P – (iDEN public IP)
cdmaPacketDataSupportInd	Optional	Indicates that the associated soc requires a CDMA IP resource.
serviceType	Optional	OVM internal use only
productTypeList	Optional	Structure with product definition details.
featureInfo	Optional	Structure providing detail feature information.
modifySocFeaturesInd	Optional	Indicates that the features associated with this plan need to be modified

featureList

Name	Details	Descriptions
featureId	Optional	Component of the feature (option-id), For internal use only

featureInfo

Name	Details	Descriptions
featureId	Optional	Component of the feature (option-id), For internal use only
featureCode	Required	Component of the feature (option-id) , For internal use only

featureName	Optional	Component of the feature (option-id) , For internal use only
featureDesc	Optional	Description of the feature component, For internal use only
allowedNumberRanges	Optional	Indicates maximum number of phone ranges if associated feature is a mobile to office type
numberRangeSize	Optional	Indicates maximum size of the phone range if associated feature is a mobile to office type
msisdnInd	Optional	For internal use only
effectiveDateTime	Optional	Effective date and time.
expirationDateTime	Optional	Effective date and time.
productTypeList	Optional	Structure with product definition details.

addOnSocList

Name	Details	Descriptions
addOnSocInfo	Optional	Structure providing detail add on soc information.

addOnSocInfo

Name	Details	Descriptions
soc	Optional	Feature code that was passed in the input.
existingSocInd	Optional	Indicates that associated option id is a feature that already exists on the subscriber associated to the request.
sequenceNumber	Optional	OVM internal use only.
effectiveDateTime	Optional	Date soc was effective.
expirationDateTime	Optional	Date soc was expired.
socDesc	Optional	Soc description.
banLevelInd	Optional	True indicates that associated feature is an account level feature.
relatedSocId	Optional	OVM use internally
autoUpdateInd	Optional	Indicates OVM automatically added the soc.
cellularSupportInd	Optional	Indicates that associated feature requires a phone number resource
autoUpdateInd	Optional	Indicates OVM added the soc automatically.
dispatchSupportInd	Optional	Indicates that the associated feature requires a push-to-talk resource
packetDataSupportInd	Optional	Indicates that the associated feature requires a data access resource. Valid values: Y – Yes N – No B – (iDEN private IP) P – (iDEN public IP)
cdmaPacketDataSupportInd	Optional	Indicates that the associated feature requires a CDMA IP resource.
serviceType	Optional	OVM internal use only
autoAddInd	Optional	Indicates OVM has automatically added this option
productTypeList	Optional	Structure with product definition details.
feature	Optional	Structure providing feature detail info.
modifySocFeaturesInd	Optional	Indicates that the features associated with this plan need to be modified

expiredPricePlanInfo

Name	Details	Descriptions
pricePlanSoc	Required	Plan code.
effectiveDateTime	Optional	Plan effective date.
expirationDateTime	Optional	Plan expiration date.
socDesc	Optional	Plan Name
banLevelPlanInd	Optional	Indicates associated plan id is an account level price plan, for internal use only
autoUpdateInd	Optional	Indicates OVM has automatically added the plan.
cellularSupportInd	Optional	Indicates that associated soc requires a phone number resource
dispatchSupportInd	Optional	Indicates that the associated soc requires a push-to-talk resource
packetDataSupportInd	Optional	Indicates that the associated soc requires a data access resource. Valid values: Y – Yes N – No B – (iDEN private IP) P – (iDEN public IP)
cdmaPacketDataSupportInd	Optional	Indicates that the associated soc requires a CDMA IP resource.
serviceType	Optional	OVM internal use only
productTypeList	Optional	Structure with product definition details.
featureList	Optional	Structure providing feature detail info.
relatedSocList	Optional	Structure providing other option detail info.
naiInd	Required	Indicates that associated price plan requires a CDMA resource.
modifySocFeaturesInd	Optional	Indicates that the features associated with this plan need to be modified

expiredAddOnSocList

Name	Details	Descriptions
addOnSocInfo	Optional	Structure providing detail add on soc information.

AddOnSocInfo

Name	Details	Descriptions
soc	Optional	Feature code that was passed in the input.
existingSocInd	Optional	Indicates that associated option id is a feature that already exists on the subscriber associated to the request.
sequenceNumber	Optional	OVM internal use only.
effectiveDateTime	Optional	Date soc was effective.
expirationDateTime	Optional	Date soc was expired.
socDesc	Optional	Soc description.
banLevelInd	Optional	True indicates that associated feature is an account level feature.
relatedOptionnnId	Optional	OVM use internally
autoUpdateInd	Optional	Indicates OVM automatically added the soc.
cellularSupportInd	Optional	Indicates that associated feature requires a phone number resource
autoUpdateInd	Optional	Indicates OVM added the soc automatically.
dispatchSupportInd	Optional	Indicates that the associated feature requires a push-to-talk resource
packetDataSupportInd	Optional	Indicates that the associated feature requires a data access resource. Valid values: Y – Yes N – No B – (IDEN private IP) P – (iDEN public IP)
cdmaPacketDataSupportInd	Optional	Indicates that the associated feature requires a CDMA IP resource.
serviceType	Optional	OVM internal use only
autoAddInd	Optional	Indicates OVM has automatically added this option
productTypeList	Optional	Structure with product definition details.
feature	Optional	Structure providing feature detail info.
modifySocFeaturesInd	Optional	Indicates that the features associated with this plan need to be modified

expiredResourceList

Name	Details	Descriptions
resourceInfo	Optional	Structure providing detail resource info.

resourceInfo

Name	Details	Descriptions
resourceType	Required	Valid values are: P (PTN or MDN) U (UFMI) H (NDC or HPPTT) I (iDEN IP) N (NAI) S (CDMA IP)
ipType	Optional	Indicates the type of IP Address to request to be provisioned
action	Required	Valid values are: ADD RES DEL

changedSocList

Name	Details	Descriptions
changedSocInfo	Optional	Structure providing detail add on soc information.

changedSocInfo

Name	Details	Descriptions
soc	Optional	Feature code that was passed in the input.
existingSocInd	Optional	Indicates that associated soc is a feature that already exists on the subscriber associated to the request.
sequenceNumber	Optional	OVM internal use only.
effectiveDateTime	Optional	Date and time soc was effective.
expirationDateTime	Optional	Date and time
autoUpdateInd	Optional	Indicates OVM added the soc.
banLevelOptionInd	Optional	True indicates that associated feature is an account level feature.
cellularSupportInd	Optional	Indicates that associated feature requires a phone number resource
relatedSoc	Optional	Related soc
dispatchSupportInd	Optional	Indicates that the associated feature requires a push-to-talk resource
packetDataSupportInd	Optional	Indicates that the associated feature requires a data access resource.

		Valid values: Y – Yes N – No B – (iDEN private IP) P – (iDEN public IP)
cdmaPacketDataSupportInd	Optional	Indicates that the associated feature requires a CDMA IP resource.
serviceType	Optional	OVM internal use only
autoAddInd	Optional	Indicates OVM has automatically added this option
productTypeList	Optional	Structure with product definition details.
feature	Optional	Structure providing feature detail info.
modifySocFeaturesInd	Optional	Indicates that the features associated with this plan need to be modified

legacyPlanList

Name	Details	Descriptions
legacyPlanList	Optional	List of legacy plan ids

legacyPlanInfo

Name	Details	Descriptions
pricePlanSoc	Optional	

resourceList

Name	Details	Descriptions
resourceInfo	Optional	Structure providing detail resource info.

resourceInfo

Name	Details	Descriptions
resourceType	Required	Valid values are: P (PTN or MDN) U (UFMI) H (NDC or HPPTT) I (iDEN IP) N (NAI) S (CDMA IP)
ipType	Optional	Indicates the type of IP Address to request to be provisioned
action	Required	Valid values are: ADD RES DEL

suggestionGroupList

Name	Details	Descriptions
suggestionGroupInfo	Optional	Structure providing suggestion group info.

suggestionGroupInfo

Name	Details	Descriptions
suggestionGroupId	Required	Indicates the specific suggestion group number of the price plan soc conflict.
conflictingSocList	Required	Structure providing conflicting SOC info.
conflictSocDescList	Required	Description of the error message associated with the plan or Soc conflict.
suggestionList	Optional	Provides detail info for suggested actions to resolve the conflict

conflictingSocList

Name	Details	Descriptions
conflictingSocInfo	Optional	Structure providing conflicting soc info.

conflictingSocInfo

Name	Details	Descriptions
Soc	Required	Soc

conflictingSocDescList

Name	Details	Descriptions
conflictingSocDescInfo	Optional	Structure providing conflicting soc info.

conflictingSocDescInfo

Name	Details	Descriptions
conflictDesc	Required	

suggestionList

Name	Details	Descriptions
suggestionInfo	Required	Structure providing conflict resolution suggestions

suggestionInfo

Name	Details	Descriptions
suggestionId	Required	Indicates the suggestion number of the available suggestion for the PP/SOC conflict in the Service Validation Response
actionList	Required	List of proposed actions to resolve conflicts

actionList

Name	Details	Descriptions
actionInfo	Required	Structure providing action info to resolve conflicts.

actionInfo

Name	Details	Descriptions
Type	Required	Action type
pricePlanList	Optional	price plan list
socList	Optional	soc list

pricePlanList

Name	Details	Descriptions
pricePlanInfo	Required	Price plan info

pricePlanInfo

Name	Details	Descriptions
priceplanSoc	Required	Plan code.
socdesc	Optional	Plan Name
socLongDesc	Required	Plan description
planCategory	Optional	Plan category
banLevelPlanInd	Optional	Indicates associated plan id is an account level price plan, for internal use only
cellularSupportInd	Optional	Indicates that associated soc requires a phone number resource
dispatchSupportInd	Optional	Indicates that the associated soc requires a push-to-talk resource
packetDataSupportInd	Optional	Indicates that the associated soc requires a data access resource. Valid values: Y – Yes N – No B – (iDEN private IP) P – (iDEN public IP)
cdmaPacketDataSupportInd	Optional	Indicates that the associated soc requires a CDMA IP resource.
recurringcharge	Optional	price plan recurring charge
recurringchargeList	Optional	List of recurring charges
oneTimeCharge	Optional	Indicates the amount of an applicable one time charge in order to select the associated price plan
planPriority	Required	Can be optionally used to determine sorting order of the price plans returned
dataAllowance	Optional	Data allowance
sequenceNumber	Required	For OVM Internal Use only
planTypeInfo	Optional	Structure providing plan type info
contractMonths	Required	Indicates if the associated price plan requires a 0, 12, or 24 month service agreement if selected
allowedNumberRanges	Optional	Indicates maximum number of phone ranges if associated price plan is a mobile to office type
numberRangeSize	Optional	Indicates maximum size of the phone range if associated price plan is a mobile to office type

taxExclusive	Optional	For OVM internal use only.
productTypeList	Optional	Structure providing product definition information.
corpRequiredInd	Optional	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
planEquivalentInd	Optional	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
affinityInfo	Optional	Structure providing affinity detail information
detailPlanInfo	Required	Structure providing detail plan information
featureInfo	Optional	Structure providing feature detail info.
relatedSocInfo	Optional	Structure providing included SOC information.

ItsRecurringChargeList

Name	Details	Descriptions
messagingSocInfo	Required	Indicates the maximum number of subscribers that can share the associated sharing price plan
ItsRecurringChargeInfo	Required	Family plan recurring charge info

ItsRecurringChargeInfo

Name	Details	Descriptions
rank	Required	Rank of subscriber within family plan.
recurringCharge	Required	Recurring charge of associated family plan ranked subscriber

planTypeInfo

Name	Details	Descriptions
nationalPlanInd	Optional	Y indicates the price plan is a national plan
addOnPlanInd	Optional	Y indicates the price plan is an add-on sharing plan
familyPlanInd	Optional	Y indicates the price plan is a sharing plan.
regionalPlanInd	Optional	Y indicates the price plan is a regional plan.
promotionalPlanInd	Optional	Y indicates the price plan is a promotional plan
legacyPlanInd	Optional	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.

affinityInfo

Name	Details	Descriptions
affinityRegistratinSoc	Required	Affinity plan
affinityName	Required	Name of the affinity
affinityAttributeList	Optional	Affinity Attribute Structure

affinityattributeList

Name	Details	Descriptions
affinityAttributeInfo	Required	Affinity AttributeInfo

affinityattributeInfo

Name	Details	Descriptions
name	Required	Affinity Attribute name
code	Required	Affinity Attribute code
type	Optional	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.
length	Optional	Length of affinity attribute
requiredInd	Optional	Valid values are: Y (Required) and N (Optional)
mask	Optional	The mask of the affinity attribute
pattern	Optional	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
value	Optional	Contains the default value for the attribute that may or may not be editable based on the editable tag.
editableInd	Optional	Valid values are: Y (Editable) and N (Not Editable)

detailPlanInfo

Name	Details	Descriptions
totalMinutes	Required	Indicates the total number of minutes the associated price plan includes
anytimeMinutes	Required	Indicates the total number of anytime minutes the associated price plan includes
nightWeekendMinutes	Required	Indicates the total number of night and weekend minutes the associated price plan includes
extraAnytimeMinutesCharge	Required	The per-minute overage charge that is assessed when anytime minutes have been exhausted in a single billing period
longDistanceCharge	Required	The per-minute long distance charge.
unitSmsCharge	Required	Charge for SMS messaging if not included in plan or optional feature
callForwardingChargeRate	Required	Charge to setup call forwarding with cell phone number
etf	Required	The early termination fee associated with this price plan
m2mMinutes	Required	Included mobile-to-mobile minutes
intlChargePerMinute	Required	The per-minute international charge
roamingCharge	Required	The per-minute roaming charge
averageCharge	Required	
nationalRoamingcharge	Required	The per minute national roaming charge
longDistanceMinutes	Required	Number of long distance minutes included
intlRoamingCharge	Required	The per-minute international roaming charge
billingIncrement	Required	Indicates the increment the recurring charge occurs
wirelessInternetChargeRate	Required	Data charge rate
numericPagingChargeRate	Required	n/a
faxDataChargeRate	Required	n/a
familyMinutes	Required	Number of sharing minutes included
airtimeRate	Required	n/a
walkieTalkieMinutes	Required	Number of Direct Connect minutes included
walkieTalkieOverageChargeRate	Required	Overage charge rate for Direct Connect usage
nationwideDcChargeRate	Optional	N/a

relatedsocList

Name	Details	Descriptions
relatedSocInfo	Optional	Provides detail related soc info.

relatedsocInfo

Name	Details	Descriptions
soc	Required	Soc code.
socDesc	Required	Soc name
socLongDesc	Required	Plan Description
banLevelInd	Optional	Indicates that the associated price plan is an account level price plan
allowedNumberRanges	Optional	Indicates maximum number of phone ranges if associated price plan is a mobile to office type
numberRangeSize	Optional	Indicates maximum size of the phone range if associated price plan is a mobile to office type
productTypeList	Optional	Structure with product definition details.

socList

Name	Details	Descriptions
socInfo	Required	Soc Info

socInfo

Name	Details	Descriptions
soc	Required	Soc code.
socdesc	Optional	Soc Name
socLongDesc	Required	Soc description
banLevelOptionInd	Optional	Indicates associated plan id is an account level price plan, for internal use only
cellularSupportInd	Optional	Indicates that associated soc requires a phone number resource
dispatchSupportInd	Optional	Indicates that the associated soc requires a push-to-talk resource
packetDataSupportInd	Optional	Indicates that the associated soc requires a data access resource. Valid values: Y – Yes N – No B – (iDEN private IP) P – (iDEN public IP)
cdmaPacketDataSupportInd	Optional	Indicates that the associated soc requires a CDMA IP resource.
recurringcharge	Optional	price plan recurring charge

recurringchargeList	Optional	List of recurring charges
oneTimeCharge	Optional	Indicates the amount of an applicable one time charge in order to select the associated price plan
mutuallyExclusiveInd	Optional	Indicates is mutually exclusive
contractMonths	Required	Indicates if the associated price plan requires a 0, 12, or 24 month service agreement if selected
allowedNumberRanges	Optional	Indicates maximum number of phone ranges if associated price plan is a mobile to office type
numberRangeSize	Optional	Indicates maximum size of the phone range if associated price plan is a mobile to office type
productTypeList	Optional	Structure providing product definition information.
corpRequiredInd	Optional	Indicates if the associated price plan is required to be chosen because of the corp gov id provided in the Plans Request
socEquivalentInd	Optional	Indicates if associated price plan is the technology equivalent (based on brand-type) of the subscriber's existing plan.
sourceSoc	Optional	source Soc
affinityInfo	Optional	Structure providing affinity detail information
socCategory	Optional	Soc category
featureList	Optional	Structure providing feature detail info.

affinityInfo

Name	Details	Descriptions
affinityRegistratinSoc	Required	Affinity plan
affinityName	Required	Name of the affinity
affinityAttributeList	Optional	Affinity Attribute Structure

affinityattributeList

Name	Details	Descriptions
affinityAttributeInfo	Required	Affinity AttributeInfo

affinityattributeInfo

Name	Details	Descriptions
name	Required	Affinity Attribute name
code	Required	Affinity Attribute code
type	Optional	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.
length	Optional	Length of affinity attribute
requiredInd	Optional	Valid values are: Y (Required) and N (Optional)
mask	Optional	The mask of the affinity attribute
pattern	Optional	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
value	Optional	Contains the default value for the attribute that may or may not be editable based on the editable tag.
editableInd	Optional	Valid values are: Y (Editable) and N (Not Editable)

validationErrorInfo

Name	Details	Descriptions
errorCode	Required	Identifies the OVM error code
errorSubName	Optional	Identifies the OVM error sub name
errorDescription	Optional	Description of the OVM error

2.5.3 Sample Request Message

```
<soapenv:Envelope
  xmlns:soapenv = "http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:v2 = "http://integration.sprint.com/common/header/WSMessageHeader/v2"
  xmlns:val =
    "http://integration.sprint.com/interfaces/validatePlansAndOptions/v1/validatePlansAndOptions.xsd">
  <soapenv:Header>
    <v2:wsMessageHeader>
      <v2:trackingMessageHeader>
        <v2:applicationId>7UL</v2:applicationId>
        <v2:applicationUserId>test</v2:applicationUserId>
        <v2:consumerId>7UL</v2:consumerId>
        <v2:messageId>123</v2:messageId>
        <v2:timeToLive>0</v2:timeToLive>
        <v2:messageDateTimeStamp>2009-12-15T00:00:00</v2:messageDateTimeStamp>
      </v2:trackingMessageHeader>
    </v2:wsMessageHeader>
  </soapenv:Header>
  <soapenv:Body>
    <val:validatePlansAndOptions>
      <val:callingApplicationInfo>
        <val:pin>1947</val:pin>
        <val:vendorCode>RM</val:vendorCode>
      </val:callingApplicationInfo>
      <val:serviceAgreementInfo>
        <val:action>
          <val:actionType>CREATE</val:actionType>
        </val:action>
        <val:banInfo>
          <val:ban>623102172</val:ban>
        </val:banInfo>
        <val:orderInfo>
          <val:orderDate>2011-09-21T13:33:48.2501724-07:00</val:orderDate>
        </val:orderInfo>
        <val:serviceAreaInfo>
          <val:subMarket>CVY</val:subMarket>
        </val:serviceAreaInfo>
        <val:deviceInfo>
          <val:itemId>FA3110M</val:itemId>
        </val:deviceInfo>
        <val:pricePlanOrSocInfo>
          <val:pricePlanSoc>PDS1234I</val:pricePlanSoc>
        </val:pricePlanOrSocInfo>
      </val:serviceAgreementInfo>
    </val:validatePlansAndOptions>
  </soapenv:Body>
</soapenv:Envelope>
```

2.5.4 Sample Response Message

```
<SOAP-ENV:Envelope
  xmlns:SOAP-ENC = "http://schemas.xmlsoap.org/soap/encoding/"
  xmlns:SOAP-ENV = "http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd = "http://www.w3.org/2001/XMLSchema"
  xmlns:xsi = "http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Header>
    <m:wsMessageHeader xmlns:m =
"http://integration.sprint.com/common/header/WSMessageHeader/v2">
      <m:trackingMessageHeader>
        <m:applicationId>7UL</m:applicationId>
        <m:applicationUserId>test</m:applicationUserId>
        <m:consumerId>7UL</m:consumerId>
        <m:messageId>123</m:messageId>
        <m:conversationId/>
        <m:timeToLive>0</m:timeToLive>
        <m:replyCompletionCode>0</m:replyCompletionCode>
        <m:messageDateTimeStamp>2011-09-29T17:22:56-05:00</m:messageDateTimeStamp>
      </m:trackingMessageHeader>
    </m:wsMessageHeader>
  </SOAP-ENV:Header>
  <SOAP-ENV:Body
    wsu:Id = "Body-0b09cbea-efd3-46d6-88f5-455769eae225"
    xmlns:wsu = "http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
    <tns:validatePlansAndOptionsResponse xmlns:tns =
"http://integration.sprint.com/interfaces/validatePlansAndOptions/v1/validatePlansAndOptions.xsd">
      <tns:validationSucceededInd>true</tns:validationSucceededInd>
      <tns:familySubscribersPricePlanChangeRequiredInd>>false</tns:familySubscribersPricePlanChange
RequiredInd>
      <tns:itsRemainingSubscribers>0</tns:itsRemainingSubscribers>
      <tns:pricePlanInfo>
        <tns:pricePlanSoc>PDS1234I</tns:pricePlanSoc>
        <tns:banLevelInd>>false</tns:banLevelInd>
        <tns:cellularSupportInd>true</tns:cellularSupportInd>
        <tns:dispatchSupportInd>>false</tns:dispatchSupportInd>
        <tns:packetDataSupportInd>Y</tns:packetDataSupportInd>
        <tns:cdmaPacketDataSupportInd>>false</tns:cdmaPacketDataSupportInd>
        <tns:serviceType>P</tns:serviceType>
        <tns:featureList>
          <tns:featureInfo>
            <tns:featureId>CLIP</tns:featureId>
            <tns:featureCode>CLIP</tns:featureCode>
            <tns:featureName>CLIP</tns:featureName>
            <tns:featureDesc>Caller ID</tns:featureDesc>
            <tns:numberRangeSize>0</tns:numberRangeSize>
            <tns:msisdnInd>>false</tns:msisdnInd>
          </tns:featureInfo>
          <tns:featureInfo>
            <tns:featureId>HLT</tns:featureId>
            <tns:featureCode>HLT</tns:featureCode>
            <tns:featureName>HLT</tns:featureName>
            <tns:featureDesc>Domestic LD Rate $0</tns:featureDesc>
            <tns:numberRangeSize>0</tns:numberRangeSize>
          </tns:featureInfo>
        </tns:featureList>
      </tns:validatePlansAndOptionsResponse>
    </SOAP-ENV:Body>
  </SOAP-ENV:Envelope>
```

```

    <tns:msisdInd>>false</tns:msisdInd>
  </tns:featureInfo>
  <tns:featureInfo>
    <tns:featureId>STD</tns:featureId>
    <tns:featureCode>STD</tns:featureCode>
    <tns:featureName>STD</tns:featureName>
    <tns:featureDesc>Anytime Minutes</tns:featureDesc>
    <tns:numberRangeSize>0</tns:numberRangeSize>
    <tns:msisdInd>>false</tns:msisdInd>
  </tns:featureInfo>
  <tns:featureInfo>
    <tns:featureId>UTOLTC</tns:featureId>
    <tns:featureCode>UTOLTC</tns:featureCode>
    <tns:featureName>UTOLTC</tns:featureName>
    <tns:featureDesc>Cellular Minutes</tns:featureDesc>
    <tns:numberRangeSize>0</tns:numberRangeSize>
    <tns:msisdInd>>false</tns:msisdInd>
  </tns:featureInfo>
  <tns:featureInfo>
    <tns:featureId>VM2</tns:featureId>
    <tns:featureCode>VM2</tns:featureCode>
    <tns:featureName>VM2</tns:featureName>
    <tns:featureDesc>VoiceMail</tns:featureDesc>
    <tns:numberRangeSize>0</tns:numberRangeSize>
    <tns:msisdInd>>false</tns:msisdInd>
  </tns:featureInfo>
  <tns:featureInfo>
    <tns:featureId>TETH</tns:featureId>
    <tns:featureCode>TETH</tns:featureCode>
    <tns:featureName>TETH</tns:featureName>
    <tns:featureDesc>Packet Data Usage</tns:featureDesc>
    <tns:numberRangeSize>0</tns:numberRangeSize>
    <tns:msisdInd>>false</tns:msisdInd>
  </tns:featureInfo>
  <tns:featureInfo>
    <tns:featureId>UNTETH</tns:featureId>
    <tns:featureCode>UNTETH</tns:featureCode>
    <tns:featureName>UNTETH</tns:featureName>
    <tns:featureDesc>Sprint 3G Data Services</tns:featureDesc>
    <tns:numberRangeSize>0</tns:numberRangeSize>
    <tns:msisdInd>>false</tns:msisdInd>
  </tns:featureInfo>
</tns:featureList>
<tns:relatedSocList>
  <tns:relatedSocInfo>
    <tns:soc>NWUNL7PM</tns:soc>
    <tns:optionName>Unlimited Nights&amp;Weekends-7pm</tns:optionName>
    <tns:banLevelOptionInd>>false</tns:banLevelOptionInd>
    <tns:relatedOptionId>PDS1234I</tns:relatedOptionId>
    <tns:cellularSupportInd>>true</tns:cellularSupportInd>
    <tns:dispatchSupportInd>>false</tns:dispatchSupportInd>
    <tns:packetDataSupportInd>N</tns:packetDataSupportInd>
    <tns:serviceType>O</tns:serviceType>
    <tns:autoAddInd>>true</tns:autoAddInd>
  </tns:relatedSocInfo>
</tns:relatedSocList>

```

```

<tns:featureList>
  <tns:featureInfo>
    <tns:featureId>CPKG</tns:featureId>
    <tns:featureCode>CPKG</tns:featureCode>
    <tns:featureName>CPKG</tns:featureName>
    <tns:numberRangeSize>0</tns:numberRangeSize>
    <tns:msisdInd>>false</tns:msisdInd>
  </tns:featureInfo>
  <tns:featureInfo>
    <tns:featureId>OVER</tns:featureId>
    <tns:featureCode>OVER</tns:featureCode>
    <tns:featureName>OVER</tns:featureName>
    <tns:featureDesc>Modified Nights and Weekends</tns:featureDesc>
    <tns:numberRangeSize>0</tns:numberRangeSize>
    <tns:msisdInd>>false</tns:msisdInd>
  </tns:featureInfo>
  <tns:featureInfo>
    <tns:featureId>UTOLTC</tns:featureId>
    <tns:featureCode>UTOLTC</tns:featureCode>
    <tns:featureName>UTOLTC</tns:featureName>
    <tns:featureDesc>Cellular Minutes</tns:featureDesc>
    <tns:numberRangeSize>0</tns:numberRangeSize>
    <tns:msisdInd>>false</tns:msisdInd>
  </tns:featureInfo>
</tns:featureList>
</tns:relatedSocInfo>
<tns:relatedSocInfo>
  <tns:soc>PDSDRV0</tns:soc>
  <tns:optionName>TeleNav Unlimited</tns:optionName>
  <tns:banLevelOptionInd>>false</tns:banLevelOptionInd>
  <tns:relatedOptionId>PDS1234I</tns:relatedOptionId>
  <tns:cellularSupportInd>>false</tns:cellularSupportInd>
  <tns:dispatchSupportInd>>false</tns:dispatchSupportInd>
  <tns:packetDataSupportInd>Y</tns:packetDataSupportInd>
  <tns:serviceType>O</tns:serviceType>
  <tns:autoAddInd>>true</tns:autoAddInd>
  <tns:featureList>
    <tns:featureInfo>
      <tns:featureId>APP</tns:featureId>
      <tns:featureCode>APP</tns:featureCode>
      <tns:featureName>APP</tns:featureName>
      <tns:featureDesc>PDS Application</tns:featureDesc>
      <tns:numberRangeSize>0</tns:numberRangeSize>
      <tns:msisdInd>>false</tns:msisdInd>
    </tns:featureInfo>
  </tns:featureList>
</tns:relatedSocInfo>
<tns:relatedSocInfo>
  <tns:soc>PDSITXMSG</tns:soc>
  <tns:optionName>Unlimited Messaging</tns:optionName>
  <tns:banLevelOptionInd>>false</tns:banLevelOptionInd>
  <tns:relatedOptionId>PDS1234I</tns:relatedOptionId>
  <tns:cellularSupportInd>>true</tns:cellularSupportInd>
  <tns:dispatchSupportInd>>false</tns:dispatchSupportInd>

```



```

<tns:packetDataSupportInd>Y</tns:packetDataSupportInd>
<tns:serviceType>O</tns:serviceType>
<tns:autoAddInd>true</tns:autoAddInd>
<tns:featureList>
  <tns:featureInfo>
    <tns:featureId>APP</tns:featureId>
    <tns:featureCode>APP</tns:featureCode>
    <tns:featureName>APP</tns:featureName>
    <tns:featureDesc>PDS Application</tns:featureDesc>
    <tns:numberRangeSize>0</tns:numberRangeSize>
    <tns:msisdInd>>false</tns:msisdInd>
  </tns:featureInfo>
  <tns:featureInfo>
    <tns:featureId>CPKG</tns:featureId>
    <tns:featureCode>CPKG</tns:featureCode>
    <tns:featureName>CPKG</tns:featureName>
    <tns:numberRangeSize>0</tns:numberRangeSize>
    <tns:msisdInd>>false</tns:msisdInd>
  </tns:featureInfo>
  <tns:featureInfo>
    <tns:featureId>MMSIMG</tns:featureId>
    <tns:featureCode>MMSIMG</tns:featureCode>
    <tns:featureName>MMSIMG</tns:featureName>
    <tns:featureDesc>MMS Usage</tns:featureDesc>
    <tns:numberRangeSize>0</tns:numberRangeSize>
    <tns:msisdInd>>false</tns:msisdInd>
  </tns:featureInfo>
  <tns:featureInfo>
    <tns:featureId>MMSTXT</tns:featureId>
    <tns:featureCode>MMSTXT</tns:featureCode>
    <tns:featureName>MMSTXT</tns:featureName>
    <tns:featureDesc>Enhanced Text Msg</tns:featureDesc>
    <tns:numberRangeSize>0</tns:numberRangeSize>
    <tns:msisdInd>>false</tns:msisdInd>
  </tns:featureInfo>
  <tns:featureInfo>
    <tns:featureId>SMS</tns:featureId>
    <tns:featureCode>SMS</tns:featureCode>
    <tns:featureName>SMS</tns:featureName>
    <tns:featureDesc>SMS Text Messages</tns:featureDesc>
    <tns:numberRangeSize>0</tns:numberRangeSize>
    <tns:msisdInd>>false</tns:msisdInd>
  </tns:featureInfo>
  <tns:featureInfo>
    <tns:featureId>TWAYR</tns:featureId>
    <tns:featureCode>TWAYR</tns:featureCode>
    <tns:featureName>TWAYR</tns:featureName>
    <tns:featureDesc>Text Messaging</tns:featureDesc>
    <tns:numberRangeSize>0</tns:numberRangeSize>
    <tns:msisdInd>>false</tns:msisdInd>
  </tns:featureInfo>
  <tns:featureInfo>
    <tns:featureId>TWPREM</tns:featureId>
    <tns:featureCode>TWPREM</tns:featureCode>

```

```

        <tns:featureName>TWPREM</tns:featureName>
        <tns:featureDesc>Two Way Premium Messaging</tns:featureDesc>
        <tns:numberRangeSize>0</tns:numberRangeSize>
        <tns:msisdnInd>>false</tns:msisdnInd>
    </tns:featureInfo>
</tns:featureList>
</tns:relatedSocInfo>
<tns:relatedSocInfo>
    <tns:soc>PDSPRVTPB</tns:soc>
    <tns:optionName>Private IP Address</tns:optionName>
    <tns:banLevelOptionInd>>false</tns:banLevelOptionInd>
    <tns:relatedOptionId>PDS1234I</tns:relatedOptionId>
    <tns:cellularSupportInd>>false</tns:cellularSupportInd>
    <tns:dispatchSupportInd>>false</tns:dispatchSupportInd>
    <tns:packetDataSupportInd>Y</tns:packetDataSupportInd>
    <tns:serviceType>B</tns:serviceType>
    <tns:autoAddInd>>true</tns:autoAddInd>
    <tns:featureList>
        <tns:featureInfo>
            <tns:featureId>CPKG</tns:featureId>
            <tns:featureCode>CPKG</tns:featureCode>
            <tns:featureName>CPKG</tns:featureName>
            <tns:numberRangeSize>0</tns:numberRangeSize>
            <tns:msisdnInd>>false</tns:msisdnInd>
        </tns:featureInfo>
        <tns:featureInfo>
            <tns:featureId>PDSCMP</tns:featureId>
            <tns:featureCode>PDSCMP</tns:featureCode>
            <tns:featureName>PDSCMP</tns:featureName>
            <tns:featureDesc>Data Acceleration</tns:featureDesc>
            <tns:numberRangeSize>0</tns:numberRangeSize>
            <tns:msisdnInd>>false</tns:msisdnInd>
        </tns:featureInfo>
        <tns:featureInfo>
            <tns:featureId>PRVATE</tns:featureId>
            <tns:featureCode>PRVATE</tns:featureCode>
            <tns:featureName>PRVATE</tns:featureName>
            <tns:featureDesc>Private IP Address</tns:featureDesc>
            <tns:numberRangeSize>0</tns:numberRangeSize>
            <tns:msisdnInd>>false</tns:msisdnInd>
        </tns:featureInfo>
    </tns:featureList>
</tns:relatedSocInfo>
<tns:relatedSocInfo>
    <tns:soc>UNLW2W</tns:soc>
    <tns:optionName>Unlimited Any Mobile, Anytime</tns:optionName>
    <tns:banLevelOptionInd>>false</tns:banLevelOptionInd>
    <tns:relatedOptionId>PDS1234I</tns:relatedOptionId>
    <tns:cellularSupportInd>>true</tns:cellularSupportInd>
    <tns:dispatchSupportInd>>false</tns:dispatchSupportInd>
    <tns:packetDataSupportInd>N</tns:packetDataSupportInd>
    <tns:serviceType>O</tns:serviceType>
    <tns:autoAddInd>>true</tns:autoAddInd>
    <tns:featureList>

```

```

        <tns:featureInfo>
          <tns:featureId>UTOW2W</tns:featureId>
          <tns:featureCode>UTOW2W</tns:featureCode>
          <tns:featureName>UTOW2W</tns:featureName>
          <tns:featureDesc>Any Mobile Anytime</tns:featureDesc>
          <tns:numberRangeSize>0</tns:numberRangeSize>
          <tns:msisdInd>>false</tns:msisdInd>
        </tns:featureInfo>
      </tns:featureList>
    </tns:relatedSocInfo>
  </tns:relatedSocList>
  <tns:naiInd>>false</tns:naiInd>
</tns:pricePlanInfo>
<tns:addOnSocList>
  <tns:addOnSocInfo>
    <tns:soc>WTSUSPEND</tns:soc>
    <tns:socDesc>Suspend Push to Talk</tns:socDesc>
    <tns:banLevelInd>>false</tns:banLevelInd>
    <tns:cellularSupportInd>>false</tns:cellularSupportInd>
    <tns:dispatchSupportInd>>true</tns:dispatchSupportInd>
    <tns:packetDataSupportInd>N</tns:packetDataSupportInd>
    <tns:cdmaPacketDataSupportInd>>false</tns:cdmaPacketDataSupportInd>
    <tns:serviceType>R</tns:serviceType>
    <tns:autoAddInd>>true</tns:autoAddInd>
    <tns:featureList>
      <tns:featureInfo>
        <tns:featureId>BAPC</tns:featureId>
        <tns:featureCode>BAPC</tns:featureCode>
        <tns:featureName>BAPC</tns:featureName>
        <tns:featureDesc>Direct Connect-Nextel Restrict</tns:featureDesc>
        <tns:numberRangeSize>0</tns:numberRangeSize>
        <tns:msisdInd>>false</tns:msisdInd>
      </tns:featureInfo>
      <tns:featureInfo>
        <tns:featureId>BARDGC</tns:featureId>
        <tns:featureCode>BARDGC</tns:featureCode>
        <tns:featureName>BARDGC</tns:featureName>
        <tns:featureDesc>Group Connect-Nextel Restrict</tns:featureDesc>
        <tns:numberRangeSize>0</tns:numberRangeSize>
        <tns:msisdInd>>false</tns:msisdInd>
      </tns:featureInfo>
      <tns:featureInfo>
        <tns:featureId>CPKG</tns:featureId>
        <tns:featureCode>CPKG</tns:featureCode>
        <tns:featureName>CPKG</tns:featureName>
        <tns:numberRangeSize>0</tns:numberRangeSize>
        <tns:msisdInd>>false</tns:msisdInd>
      </tns:featureInfo>
      <tns:featureInfo>
        <tns:featureId>NOALRT</tns:featureId>
        <tns:featureCode>NOALRT</tns:featureCode>
        <tns:featureName>NOALRT</tns:featureName>
        <tns:featureDesc>DC-Nextel Alert Restrict</tns:featureDesc>
        <tns:numberRangeSize>0</tns:numberRangeSize>
      </tns:featureInfo>
    </tns:featureList>
  </tns:addOnSocInfo>
</tns:addOnSocList>

```

```

        <tns:msisdInd>>false</tns:msisdInd>
    </tns:featureInfo>
    <tns:featureInfo>
        <tns:featureId>NOGRP</tns:featureId>
        <tns:featureCode>NOGRP</tns:featureCode>
        <tns:featureName>NOGRP</tns:featureName>
        <tns:featureDesc>Talkgroup(SM) Restriction</tns:featureDesc>
        <tns:numberRangeSize>0</tns:numberRangeSize>
        <tns:msisdInd>>false</tns:msisdInd>
    </tns:featureInfo>
</tns:featureList>
</tns:addOnSocInfo>
</tns:addOnSocList>
<tns:resourceList>
    <tns:resourceInfo>
        <tns:resourceType>I</tns:resourceType>
        <tns:ipType>Y</tns:ipType>
        <tns:action>ADD</tns:action>
    </tns:resourceInfo>
    <tns:resourceInfo>
        <tns:resourceType>U</tns:resourceType>
        <tns:action>ADD</tns:action>
    </tns:resourceInfo>
    <tns:resourceInfo>
        <tns:resourceType>P</tns:resourceType>
        <tns:action>ADD</tns:action>
    </tns:resourceInfo>
</tns:resourceList>
    <tns:dataSocInd>true</tns:dataSocInd>
    <tns:messagingSocInd>true</tns:messagingSocInd>
</tns:validatePlansAndOptionsResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

2.6 Error Handling

Sprint's approach to error handling is to maximize transparency for all exceptional conditions and minimize the occurrence of "under the radar" errors, thus encouraging improved data quality and rapid error resolution. In support of this philosophy, all exceptional 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 applications 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.

3 Error Information

There are a number of SOAP Faults commonly returned from Sprint's Web Services Gateway. 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 validation error or due to an outage.	Ensure that the correct service URL is being utilized. If so contact your EWS contact.

3.1 Service-Specific Errors

This interface can generate standard SOAP exceptions as defined by the SOAP specification. 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.

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!