vodafone

TATA CONSULTANCY SERVICES

Fusion Interface Contract - Get Postpay Account Summary

Document Information

Version:	1.3
Version Release Date:	16/05/2018
Author(s):	TCS
Print Date:	
Status:	Draft
Storage:	
Restriction:	Commercial in confidence
Document No:	

> **Vodafone Confidential**
> Copies of this document may be obtained
> by contacting the Document Author.

Document Control

Document Control Log

Version	Date	Author(s)	Summary of Changes
0.1	16/06/2014	TCS	Initial draft
1.0	30/07/2014	TCS	Project Data Overage Enhancement – Signed off version
1.1	03/10/2014	TCS	Project Aggregated Alerts Phase 1
1.2	05/03/2016	TCS	Updated for Siebel Stored Procedure
1.3	16/05/2018	TCS	Updated for Project Buffet (R18.2)

Associated Document(s)

Document Name	Version No.	Version Date	Location

Document Approval

Name and Position	Date	Signature
Rafiunnisa Begum, Project Architect		
Kiang Chia, Fusion Domain Architect		
Lang Lam, Digital Architect		

Table of Contents

getPostpayAccountSummary

Deleted: Fusion Interface Contract - Get Postpay Account Summary

Deleted: 9
Deleted: 9
Deleted: 10
Deleted: 10
Deleted: 10
Deleted: **11**
Deleted: 11
Deleted: 11
Deleted: 11
Deleted: 13
Deleted: 15
Deleted: 16
Deleted: 17
Deleted: 17
Deleted: 17
Deleted: 17
Deleted: 17
Deleted: 18
Deleted: 18
Deleted: 19
Deleted: 28
Deleted: 28
Deleted: 29
Deleted: 29
Deleted: 29
Deleted: 30
Deleted: 30
Deleted: 31
Deleted: 32
Deleted: 33
Deleted: 33
Deleted: 33
Deleted: 36
Deleted: 36
Deleted: 36
Deleted: 39
Deleted: 39
Deleted: 39

Deleted: Fusion Interface Contract - Get Postpay Account Summary

Deleted: 41

Deleted: 43

Deleted: 43

Deleted: 43

Deleted: 43

Deleted: 43

Deleted: 44

Deleted: 46

Deleted: 47

Deleted: 47

Deleted: 53

Deleted: 54

Deleted: 56

Deleted: 57

Deleted: 58

Deleted: 59

Deleted: 60

Deleted: 61

Deleted: 61

Deleted: 61

Deleted: 61

Deleted: 61

Deleted: 62

Deleted: 62

Deleted: 62

Deleted: 63

Deleted: 63

Deleted: 64

Deleted: 65

Deleted: 66

Deleted: 66

Deleted: 66

Deleted: 67

Deleted: 67

Deleted: 1 Introduction 6 ... [1]

1   Introduction

1.1   Purpose

This document defines the functional requirements of getPostpayAccountSummary interface as it is intended to operate. It describes the business logic, mapping and transformations required to perform the integration for this interface.

2   Functional Overview and Scope

2.1   Interface Overview

This interface accepts retrieval of account information requests from Consumer. The information returned is high level account summary information for **Postpay** customer.

2.1.1 Interface Flow
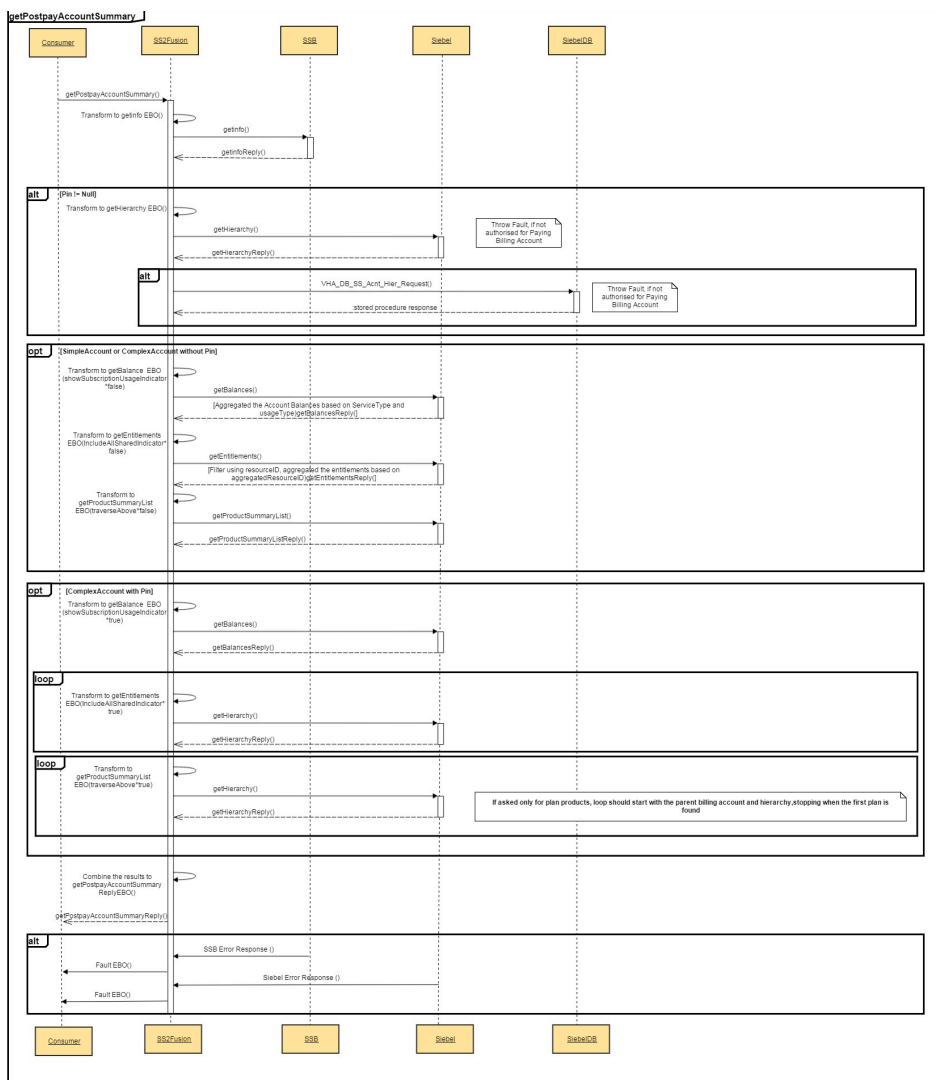
Processing flow will be as follows:

1. Consumer will trigger the Fusion GetPostpayAccountSummary interface through a synchronous request.
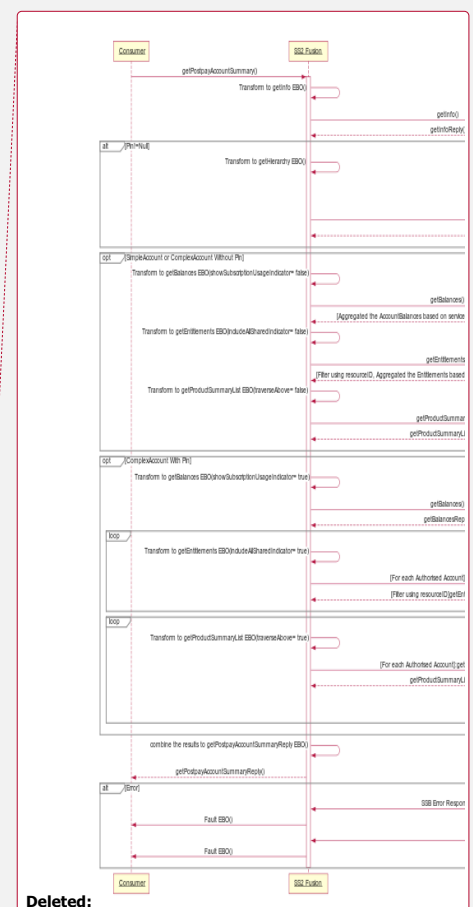
2. SS2 Fusion will synchronously call Get Account Type stored procedure from SSB database and SSB will return the customer's account information.

3. If the Pin is provided in the request, then SS2 Fusion will synchronously call Siebel.getHierarchy operation to retrieve the customer's hierarchy information.SOAP fault is thrown when the Account is not authorised.

4. Fusion to use Config Value to switch between Siebel HTTP services and Stored Procedure calls ie, Fusion will invoke Siebel stored procedure if the flag value is set to 'Y' and Siebel HTTP service if the flag is set to 'N'

5. If the customer has simple or complex account without Pin in the given request, SS2 Fusion will call below SSB calls in parallel manner.

    a. getBalance operation with showSubscriptionUsageIndicator as 'false'

    b. getEntitlement operation with includeAllSharedIndicator as 'false'. Response is being filtered using the resourceID.

    c. getProductSummary operation with traverseAbove as 'false'

6. If the customer has simple or complex account with Pin in the given request, SS2 Fusion will call below SSB calls in parallel manner.

    a. getBalance operation with showSubscriptionUsageIndicator as 'true'

    b. getEntitlement operation with includeAllSharedIndicator as 'true'. Response is being filtered using the resourceID.

    c. getProductSummary operation with traverseAbove as 'true'

7. On success, all the response will be combined and sent back to the consumer.

8. On error, fault EBO in the consumer format is sent back to the consumer.

2.2   Business Rules

Business Rules and Validation for the getPostpayAccountSummary operation includes all the business rules and validations of below operations.

2.2.1   getInfo

NA

   •

2.2.2   getHierarchy

Business Rules and Validation for the getHierarchy operation is as follows.

• Fusion to use Config file value to switch between Siebel web services and Siebel DB(Stored Procedure) services.

• The **PIN** supplied is validated against the Customer Account level PIN from the response. If the PIN doesn't match the customer account PIN then throw an **invalidPINFault**.

- If the **HierarchyType** in the request is anything other than "Partial" for the initial implementation then throw a **genericSystemFault** with a fault code of **CORE_SYS_NOT_IMPLEMENTED**.
- If the **CustomerId** in the request is anything other than MSISDN for the initial implementation then throw a **genericSystemFault** with a fault code of **CORE_SYS_NOT_IMPLEMENTED**.

2.2.3   getBalances

Business Rules and Validation for the getBalances operation are as follows.

- Fusion will calculate missing GST amounts in the CurrencyAmountType as specified in the mapping spreadsheet.
- Either a showSubscriptionUsageIndicator or a showAccountUsageIndicator must be entered, or both. Both cannot be left blank.
- Specific errors to return are identified below.

    AccountBalances Aggregation

    The IVS layer will need to aggregate totalUnbilledUsages based on serviceType and usageType that is if there are multiple totalUnbilledUsages returned with the same serviceType and usageType, only one totalUnbilledUsage will be returned for that serviceType and usageType. The returned totalUnbilledUsage will have:

    inclusiveOfGST equal to the sum of the inclusiveOfGST for all totalUnbilledUsages of that serviceType and usageType.

    exclusiveOfGST equal to the sum of the exclusiveOfGST for all totalUnbilledUsages of that serviceType and usageType.

    GST equal to the sum of GST for all totalUnbilledUsages of that serviceType and usageType.

    Note: This will be the case for unbilledUsages element.

2.2.4   getEntitlement

Business Rules and Validation for the getEntitlements operation are as follows.

- If all shared Entitlements are requested then a MSISDN and a PIN must be entered.
- If requested, Entitlements can be restricted to Customer Viewable only.
- Filter is done using the resource id from the response
- Specific errors to return are identified below.

    Entitlement Aggregation

    The IVS layer will need to aggregate main entitlements based on aggregatedResourceID that is if there are multiple entitlements returned with the same aggregatedResourceID, only one main entitlements will be returned for that aggregatedResourceID and all entitlements having same aggregatedResourceID will be send as child entitlementsl. The returned main entitlements will have:

    totalUnits equal to the sum of the total units for all entitlements of that aggregatedresourceID

usedUnits equal to the sum of the used units for all entitlements of that aggregatedresourceID

remainingUnits equal to the sum of the remaining units for all entitlements of that aggregatedresourceID.

Note: This will be the case for both baseUnits and includingGST elements

Inside those main entitlements, child entitlements will be aggregated based on EntitlementType that is if there are multiple entitlements returned with the same entitlement type, only one entitlement will be returned for that entitlement type. After this again need to aggregate entitlements based on resourceID that is if there are multiple entitlements returned with the same resourceID. The returned entitlement will have:

totalUnits equal to the sum of the total units for all entitlements of that entitlement type

usedUnits equal to the sum of the used units for all entitlements of that entitlement type

remainingUnits equal to the sum of the remaining units for all entitlements of that entitlement type.

Note: This will be the case for both baseUnits and includingGST elements

2.2.5   getProductSummaryList

Business Rules and Validation for the getProductSummaryList operation are as follows.

- If all traverseAbove is specified then a MSISDN and a PIN must be specified.
- The returned list of product summaries is filtered based on the requested product type. If no product type is specified then the full list of products is returned.
- Specific errors to return are identified below.

2.3   Assumptions

- SSB has the capacity to handle high volumes of requests.
- Request mapping will change for both Error and Success Scenarios(inclusive of error code & error message).
- Response mapping will not have any change since there is no change in response payload.

2.4   Issues

Issue Id	Description	Assigned To
None	None	None

3 End System Interface Specification

3.1 Fusion Interface – SOAP

The consumer is able to retrieve customer account information by invoking the getPostpayAccountSummary operation and passing in MSISDN of the customer.

On error the getPostpayAccountSummary service returns SOAP fault in consumer format to Consumer.

3.1.1 Schema

SOAP WSDLs and XSDs to be provided separately

Consumers	Service
Self Service	OnlineSelfServiceCVS.getPostpayAccountSummary

3.1.2 Request

Consumers as part of invoking this operation will be responsible for passing the header information in the request as follows:
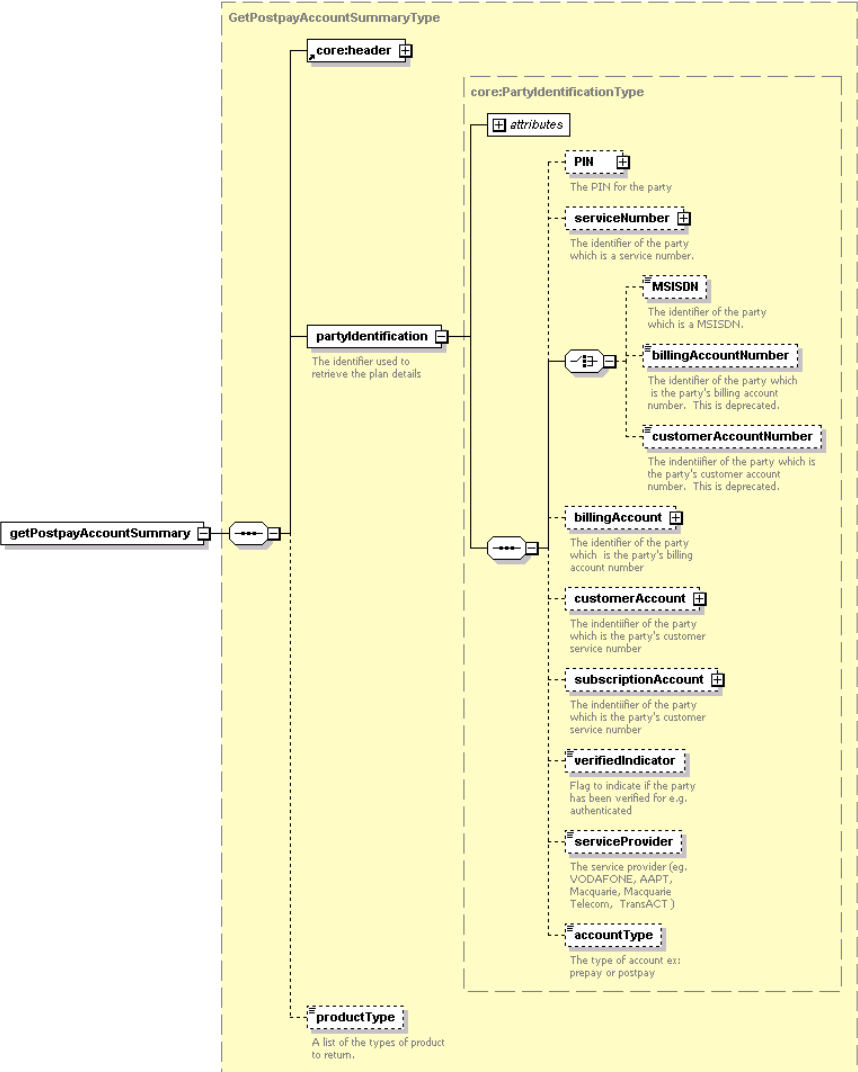
Generated by XMLSpy   www.altova.com

3.1.2.1   MyBill

Header Field	Value
createDateTime	MyBill to set this field to the date time the request is being initiated.

webUser	MyBill to set this field to the **MSISDN** of the authenticated customer or **'Unknown'** for a non-authenticated customer
Channel	MyBill will set this field to **'Self-Care'**
applicationName	MyBill will set this to **'MyBill'**
businessIdentifier	MyBill to set this field to the **MSISDN**
entityIdentifier	MyBill to set this field to the **MSISDN** of the authenticated customer or **'Unknown'** for a non-authenticated customer
sourceIdentifier	MyBill to pass the IP Address of the customer who is performing self service functions.
countryCode	Set to 'AU'

3.1.2.2   getPostpayAccountSummary

The operation is invoked by passing the getPostpayAccountSummary request which is of type GetPostpayAccountSummaryType.

Component	Type	Mandatory/ Optional	Description
SEQUENCE			
Header	HeaderType	Mandatory	The standard request header to be populated by consumer. Please refer to the common components document for the definition of the HeaderType.
partyIdentification	PartyIdentificationType	Mandatory	The ID to be used to get account information.
productType	string	Optional	Types of product to return

3.1.3   Response

3.1.3.1   getPostpayAccountSummaryReply

The response from the operation will return account information in a getPostpayAccountSummaryReply object which is of type GetPostpayAccountSummaryReplyType.
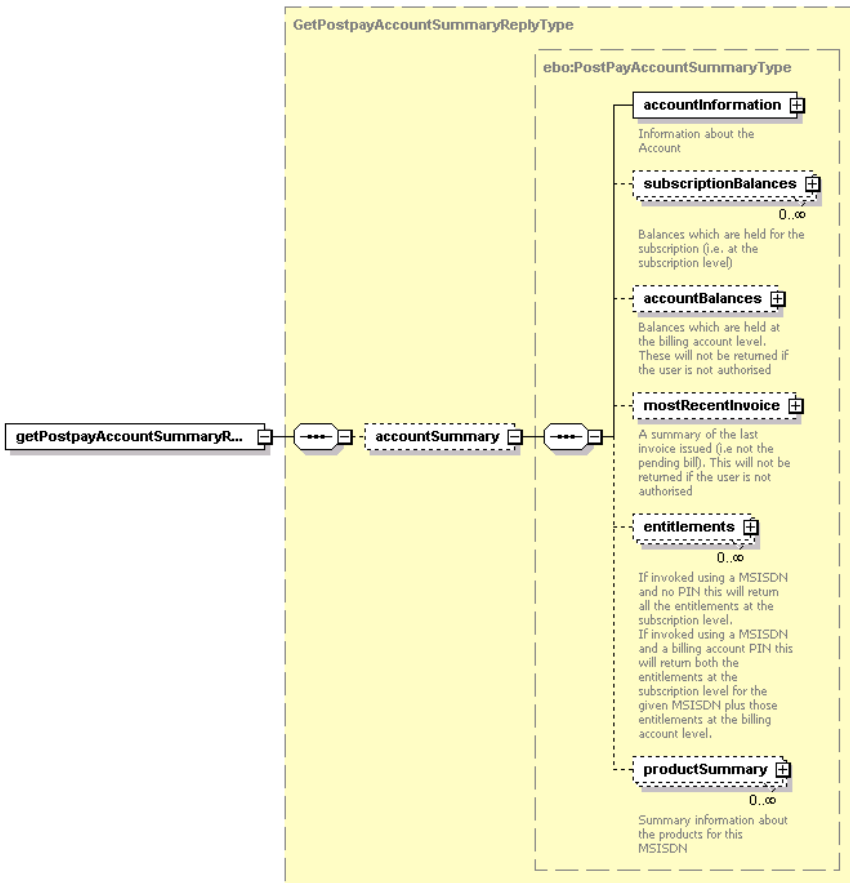
Generated by XMLSpy   www.altova.com

Component	Type	Occurs	Description
⊞ SEQUENCE		1..1	
accountInformation	AccountInfoType	1..1	Information about the Account
subscriptionBalances	SubscriptionBalancesType	0..*	Balances which are held for the subscription (i.e. at the subscription level)
accountBalances	AccountBalancesType	0..1	Balances which are held at the billing account level. These will not be returned if the user is not authorised
mostRecentInvoice	InvoiceSummaryType	0..1	A summary of the last invoice issued (i.e not the pending bill). This will not be returned if the user is not authorised
Entitlements	EntitlementType	0..*	If invoked using a MSISDN and no PIN this will return all the entitlements at the subscription level.

Component	Type	Occurs	Description
			If invoked using a MSISDN and a billing account PIN this will return both the entitlements at the subscription level for the given MSISDN plus those entitlements at the billing account level.
productSummary	ProductSummaryType	0..*	Summary information about the products for this MSISDN

3.1.4   Error Response

The interface will expose the following fault error codes and error messages as part of the SOAP Fault object.

These faults are the unique faults that are raised at the EVS layer and are propagated back to consumer.

Business Errors

This section documents any errors caused due to

- Failure to meet the business rules
- Validation errors

Fault Type	Fault Code	Fault Text	Comments
validationFault	CORE_BUS_VAL	A validation error occurred: <actual validation error>	Fault to capture a field validation error. The text should capture the full path of the field and the validation rules not satisfied.
genericBusinessFault	CORE_BUS_GENERIC INVALID_RESULTS_FAULT	An unexpected error occurred: <*more details about the error*>	This is a catch all exception for unknown Business exceptions
MSISDNNotFoundFault	MSISDN_NOT_FOUND	MSISDN not found <MSISDN>	Incorrect MSISDN passed
billingAccountNotFoundFault	BAN_NOT_FOUND	BAN not found <BAN>	Incorrect BAN passed

System Errors

This section documents any errors that are due to

- Internal system errors
- Backend system errors
- Connection errors

- Timeout errors

Fault Type	Fault Code	Fault Message
internalSystemFault	CORE_SYS_INTERNAL	Internal system error
providerConnectionFault	CORE_SYS_PROVIDER_CO MMS	Unable to communicate with the system <backend system>
bindingErrorFault	CORE_SYS_BINDING	Binding error trying to connect to <server binding>
providerSystemFault	CORE_SYS_PROVIDER_FA ULT	The backend system <backend system> responded with an error <error ref>
timeoutFault	CORE _SYS_TIMEOUT	A timeout occurs after <timeout> while interacting with <provider>
genericSystemFault	CORE_SYS_GENERIC	An unexpected error occurred: <more details about the error>

3.2 System Providers APIs

Please refer to the appendix 7.3 for Field and schema Definitions of the SSB and Siebel system providers

3.3   Functional Mapping

3.4   getPostpayAccountSummary

3.4.1   getPostpayAccountSummary to getInfo

Source Field	Target Field	M/O	Transformation/ Comment
getPostpayAccountSummary/ partyIdentification/PIN/number	getAccountInfo/partyIdentification/PIN/number	M	One to one mapping
getPostpayAccountSummary/ partyIdentification/MSISDN	getAccountInfo/partyIdentification/MSISDN	M	One to one mapping
getPostpayAccountSummary/ partyIdentification/billingAccountNumber	getAccountInfo/partyIdentification/billingAccountNumber	M	One to one mapping
getPostpayAccountSummary/ partyIdentification/customerAccountNumber	getAccountInfo/partyIdentification/customerAccountNumber	M	One to one mapping
getPostpayAccountSummary/ partyIdentification/externalIdentifier	getAccountInfo/partyIdentification/externalIdentifier	M	One to one mapping

3.4.2   getPostpayAccountSummary to getHierarchy

Source Field	Target Field	M/O	Transformation/ Comment
getPostpayAccountSummary/ partyIdentification/PIN/number	getHierarchy/customerID/PIN/number	M	One to one mapping
getPostpayAccountSummary/ partyIdentification/MSISDN	getHierarchy/customerID/MSISDN	M	One to one mapping
getPostpayAccountSummary/ partyIdentification/billingAccountNumber	getHierarchy/customerID/billingAccountNumber	M	One to one mapping
getPostpayAccountSummary/ partyIdentification/customerAccountNumber	getHierarchy/customerID/customerAccountNumber	M	One to one mapping
getPostpayAccountSummary/ partyIdentification/externalIdentifier	getHierarchy/customerID/externalIdentifier	M	One to one mapping
	getHierarchy/hierarchyType	M	Hardcode to 'Partial'

3.4.3   getPostpayAccountSummary to getBalances

Source Field	Target Field	M/O	Transformation/ Comment
getPostpayAccountSummary/ partyIdentification/PIN/number	getBalances/accountBalanceIdentifier/PIN/number	M	One to one mapping
getPostpayAccountSummary/ partyIdentification/MSISDN	getBalances/accountBalanceIdentifier/MSISDN	M	One to one mapping

Source Field	Target Field	M/O	Transformation/ Comment
getPostpayAccountSummary/ partyIdentification/billingAccountNumber	getBalances/accountBalanceIdentifier/billingAccountNumber	M	One to one mapping
getPostpayAccountSummary/ partyIdentification/customerAccountNumber	getBalances/accountBalanceIdentifier/customerAccountNumber	M	One to one mapping
getPostpayAccountSummary/ partyIdentification/externalIdentifier	getBalances/accountBalanceIdentifier/externalIdentifier	M	One to one mapping
	getBalances/showSubscriptionUsageIndicator	M	If Complex Account with Pin then Set to 'true' Else Set to 'false'
	getBalances/showAccountUsageIndicator	M	Hardcode to 'true'

3.4.4 getPostpayAccountSummary to getEntitlement

Source Field	Target Field	M/O	Transformation/ Comment
getPostpayAccountSummary/ partyIdentification/PIN/number	getEntitlements/entitlementLevel/PIN/number	M	One to one mapping
getPostpayAccountSummary/ partyIdentification/MSISDN	getEntitlements/entitlementLevel/MSISDN	M	One to one mapping
getPostpayAccountSummary/ partyIdentification/billingAccountNumber	getEntitlements/entitlementLevel/billingAccountNumber	M	One to one mapping
getPostpayAccountSummary/ partyIdentification/customerAccountNumber	getEntitlements/entitlementLevel/customerAccountNumber	M	One to one mapping
getPostpayAccountSummary/ partyIdentification/externalIdentifier	getEntitlements/entitlementLevel/externalIdentifier	M	One to one mapping
	getEntitlements/includeAllSharedIndicator	M	If Complex Account with Pin then Set to 'true' Else Set to 'false'
	getEntitlements/restrictToCustViewableIndicator	M	Hardcode to 'true'

3.4.5 getPostpayAccountSummary to getProductSummaryList

Source Field	Target Field	M/O	Transformation/ Comment
getPostpayAccountSummary/ partyIdentification/PIN/number	getProductSummaryList/ productLevel/PIN/number	M	One to one mapping

Source Field	Target Field	M/O	Transformation/ Comment
getPostpayAccountSummary/ partyIdentification/MSISDN	getProductSummaryList/ productLevel/MSISDN	M	One to one mapping
getPostpayAccountSummary/ partyIdentification/billingAccou ntNumber	getProductSummaryList/ productLevel/billingAcco untNumber	M	One to one mapping
getPostpayAccountSummary/ partyIdentification/customerAc countNumber	getProductSummaryList/ productLevel/customerA ccountNumber	M	One to one mapping
getPostpayAccountSummary/ partyIdentification/externalIden tifier	getProductSummaryList/ productLevel/externalIde ntifier	M	One to one mapping
	getProductSummaryList/ traverseAbove	M	If Complex Account with Pin then Set to 'true' Else Set to 'false'
	getProductSummaryList/ productType	M	Hardcode to 'Plan'

3.4.6 getPostpayAccountSummaryReply – combined response

Source Field	Target Field	M/O	Transformation/ Comment
getInfoReply/accountInfo/cust omerAccountType	getPostpayAccountSum maryReply/accountSum mary/accountInformation /customerAccountType	M	One to one mapping
getInfoReply/accountInfo/pay mentMethod	getPostpayAccountSum maryReply/accountSum mary/accountInformation /paymentMethod	M	One to one mapping
getInfoReply/accountInfo/isCo mplexIndicator	getPostpayAccountSum maryReply/accountSum mary/accountInformation /isComplexIndicator	M	One to one mapping
getInfoReply/accountInfo/payi ngBillingAccountNumber	getPostpayAccountSum maryReply/accountSum mary/accountInformation /payingBillingAccountNu mber	M	One to one mapping
getInfoReply/accountInfo/pare ntBillingAccountNumber	getPostpayAccountSum maryReply/accountSum mary/accountInformation /parentBillingAccountNu mber	M	One to one mapping
getInfoReply/accountInfo/instal ledAssetStatus	getPostpayAccountSum maryReply/accountSum mary/accountInformation /installedAssetStatus	M	One to one mapping

Source Field	Target Field	M/O	Transformation/ Comment
getInfoReply/accountInfo/billingAccountStatus	getPostpayAccountSummaryReply/accountSummary/accountInformation/billingAccountStatus	M	One to one mapping
getInfoReply/accountInfo/billingAccountName	getPostpayAccountSummaryReply/accountSummary/accountInformation/billingAccountName	M	One to one mapping
getInfoReply/accountInfo/billCycleDOM	getPostpayAccountSummaryReply/accountSummary/accountInformation/billCycleDOM	M	One to one mapping
getInfoReply/accountInfo/numberOfLiveConnections	getPostpayAccountSummaryReply/accountSummary/accountInformation/numberOfLiveConnections	M	One to one mapping
Loop every subscriptionBalances in getBalancesReply			
getBalancesReply/subscriptionBalances/MSISDN	getPostpayAccountSummaryReply/subscriptionBalances/MSISDN	M	One to one mapping
getBalancesReply/subscriptionBalances/billingAccountNumber	getPostpayAccountSummaryReply/subscriptionBalances/billingAccountNumber	M	One to one mapping
getBalancesReply/subscriptionBalances/subscriptionContactName	getPostpayAccountSummaryReply/subscriptionBalances/subscriptionContactName	M	One to one mapping
getBalancesReply/subscriptionBalances/unbilledUsage/inclusiveOfGST	getPostpayAccountSummaryReply/subscriptionBalances/unbilledUsage/inclusiveOfGST	M	One to one mapping
getBalancesReply/subscriptionBalances/unbilledUsage/exclusiveOfGST	getPostpayAccountSummaryReply/subscriptionBalances/unbilledUsage/exclusiveOfGST	M	One to one mapping
getBalancesReply/subscriptionBalances/unbilledUsage/GST	getPostpayAccountSummaryReply/subscriptionBalances/unbilledUsage/GST	M	One to one mapping
getBalancesReply/subscriptionBalances/unbilledBalance/inclusiveOfGST	getPostpayAccountSummaryReply/subscriptionBalances/unbilledBalance/inclusiveOfGST	M	One to one mapping
getBalancesReply/subscriptionBalances/unbilledBalance/exclusiveOfGST	getPostpayAccountSummaryReply/subscriptionBalances/unbilledBalance/exclusiveOfGST	M	One to one mapping

Source Field	Target Field	M/O	Transformation/ Comment
getBalancesReply/subscription Balances/unbilledBalance/GST	getPostpayAccountSummaryReply/subscriptionBalances/unbilledBalance/GST	M	One to one mapping
getBalancesReply/accountBalances/billingAccountNumber	getPostpayAccountSummaryReply/accountBalances/billingAccountNumber	M	One to one mapping
Loop every totalUnbilledUsage in getBalancesReply/ accountBalances			
getBalancesReply/accountBalances/totalUnbilledUsage/usageType	getPostpayAccountSummaryReply/accountBalances/totalUnbilledUsage/serviceType	M	One to one mapping
getBalancesReply/accountBalances/totalUnbilledUsage/serviceType	getPostpayAccountSummaryReply/accountBalances/totalUnbilledUsage/usageType	M	One to one mapping
getBalancesReply/accountBalances/totalUnbilledUsage/unbilledUsages/inclusiveOfGST	getPostpayAccountSummaryReply/accountBalances/totalUnbilledUsage/unbilledUsages/inclusiveOfGST	M	One to one mapping
getBalancesReply/accountBalances/totalUnbilledUsage/unbilledUsages/exclusiveOfGST	getPostpayAccountSummaryReply/accountBalances/totalUnbilledUsage/unbilledUsages/exclusiveOfGST	M	One to one mapping
getBalancesReply/accountBalances/totalUnbilledUsage/unbilledUsages/GST	getPostpayAccountSummaryReply/accountBalances/totalUnbilledUsage/unbilledUsages/GST	M	One to one mapping
getBalancesReply/accountBalances/totalUnbilledBalance/inclusiveOfGST	getPostpayAccountSummaryReply/accountBalances/totalUnbilledBalance/inclusiveOfGST	M	One to one mapping
getBalancesReply/accountBalances/totalUnbilledBalance/exclusiveOfGST	getPostpayAccountSummaryReply/accountBalances/totalUnbilledBalance/exclusiveOfGST	M	One to one mapping
getBalancesReply/accountBalances/totalUnbilledBalance/GST	getPostpayAccountSummaryReply/accountBalances/totalUnbilledBalance/GST	M	One to one mapping
getBalancesReply/accountBalances/totalDueAmount	getPostpayAccountSummaryReply/accountBalances/totalDueAmount	M	One to one mapping
getBalancesReply/accountBalances/totalOverdueAmount	getPostpayAccountSummaryReply/accountBalances/totalOverdueAmount	M	One to one mapping

Source Field	Target Field	M/O	Transformation/ Comment
getBalancesReply/accountBalances/overallBalance/inclusiveOfGST	getPostpayAccountSummaryReply/accountBalances/ overallBalance/inclusiveOfGST	M	One to one mapping
getBalancesReply/accountBalances/overallBalance/exclusiveOfGST	getPostpayAccountSummaryReply/accountBalances/ overallBalance/exclusiveOfGST	M	One to one mapping
getBalancesReply/accountBalances/overallBalance/GST	getPostpayAccountSummaryReply/accountBalances/ overallBalance/GST	M	One to one mapping
getBalancesReply/accountBalances/totalUnappliedAmount	getPostpayAccountSummaryReply/accountBalances/totalUnappliedAmount	M	One to one mapping
getBalancesReply/accountBalances/totalDisputedAmount	getPostpayAccountSummaryReply/accountBalances/totalDisputedAmount	M	One to one mapping
If invoiceDate!=Null, apply below mapping			
getBalancesReply/mostRecentInvoiceBalances/invoiceNumber/number	getPostpayAccountSummaryReply/mostRecentInvoice/invoiceNumber/number	M	One to one mapping
getBalancesReply/mostRecentInvoiceBalances/billingAccountNumber	getPostpayAccountSummaryReply/mostRecentInvoice/billingAccountNumber	M	One to one mapping
getBalancesReply/mostRecentInvoiceBalances/invoiceDate	getPostpayAccountSummaryReply/mostRecentInvoice/invoiceDate	M	One to one mapping
getBalancesReply/mostRecentInvoiceBalances/dueDate	getPostpayAccountSummaryReply/mostRecentInvoice/dueDate	M	If dueDate!=Null then map dueDate
getBalancesReply/mostRecentInvoiceBalances/invoicedAmountOwing/GST	getPostpayAccountSummaryReply/mostRecentInvoice/invoicedAmountOwing/GST	M	One to one mapping
getBalancesReply/mostRecentInvoiceBalances/totalPayments/GST	getPostpayAccountSummaryReply/mostRecentInvoice/totalPayments/GST	M	One to one mapping
getBalancesReply/mostRecentInvoiceBalances/invoiceAmount/inclusiveOfGST	getPostpayAccountSummaryReply/mostRecentInvoice/invoiceAmount/inclusiveOfGST	M	One to one mapping

Source Field	Target Field	M/O	Transformation/ Comment
getBalancesReply/mostRecentInvoiceBalances/invoiceAmount/exclusiveOfGST	getPostpayAccountSummaryReply/mostRecentInvoice/invoiceAmount/exclusiveOfGST	M	One to one mapping
getBalancesReply/mostRecentInvoiceBalances/invoiceAmount/GST	getPostpayAccountSummaryReply/mostRecentInvoice/invoiceAmount/GST	M	One to one mapping
getBalancesReply/mostRecentInvoiceBalances/totalDisputedAmount/GST	getPostpayAccountSummaryReply/mostRecentInvoice/totalDisputedAmount/GST	M	One to one mapping
getBalancesReply/mostRecentInvoiceBalances/totalDiscounts/GST	getPostpayAccountSummaryReply/mostRecentInvoice/totalDiscounts/GST	M	One to one mapping
getBalancesReply/mostRecentInvoiceBalances/adjustedAmount/GST	getPostpayAccountSummaryReply/mostRecentInvoice/adjustedAmount/GST	M	One to one mapping
getBalancesReply/mostRecentInvoiceBalances/invoiceType	getPostpayAccountSummaryReply/mostRecentInvoice/invoiceType	M	One to one mapping
getBalancesReply/mostRecentInvoiceBalances/invoiceStatus	getPostpayAccountSummaryReply/mostRecentInvoice/invoiceStatus	M	One to one mapping
getBalancesReply/mostRecentInvoiceBalances/balanceForwardIndicator	getPostpayAccountSummaryReply/mostRecentInvoice/balanceForwardIndicator	M	One to one mapping
Loop every entitlements in getEntitlementsReply			
getEntitlementsReply/entitlements/levelIdentifier/PIN/number	getPostpayAccountSummaryReply/entitlements/levelIdentifier/PIN/number	M	One to one mapping
getEntitlementsReply/entitlements/levelIdentifier/MSISDN	getPostpayAccountSummaryReply/entitlements/levelIdentifier/MSISDN	M	One to one mapping
getEntitlementsReply/entitlements/levelIdentifier/billingAccountNumber	getPostpayAccountSummaryReply/entitlements/levelIdentifier/billingAccountNumber	M	One to one mapping
getEntitlementsReply/entitlements/levelIdentifier/customerAccountNumber	getPostpayAccountSummaryReply/entitlements/levelIdentifier/customerAccountNumber	M	One to one mapping
getEntitlementsReply/entitlements/levelIdentifier/externalIdentifier	getPostpayAccountSummaryReply/entitlements/levelIdentifier/externalIdentifier	M	One to one mapping

Source Field	Target Field	M/O	Transformation/ Comment
getEntitlementsReply/entitlements/productDescription	getPostpayAccountSummaryReply/entitlements/productDescription	M	One to one mapping
getEntitlementsReply/entitlements/entitlementType	getPostpayAccountSummaryReply/entitlements/entitlementType	M	One to one mapping
getEntitlementsReply/entitlements/unlimitedIndicator	getPostpayAccountSummaryReply/entitlements/unlimitedIndicator	M	One to one mapping
getEntitlementsReply/entitlements/displayName	getPostpayAccountSummaryReply/entitlements/displayName	M	One to one mapping
getEntitlementsReply/entitlements/sharedIndicator	getPostpayAccountSummaryReply/entitlements/sharedIndicator	M	One to one mapping
getEntitlementsReply/entitlements/Period/startDate	getPostpayAccountSummaryReply/entitlements/Period/startDate	M	One to one mapping
getEntitlementsReply/entitlements/Period/endDate	getPostpayAccountSummaryReply/entitlements/Period/endDate	M	One to one mapping
getEntitlementsReply/entitlements/Period/duration	getPostpayAccountSummaryReply/entitlements/Period/duration	M	One to one mapping
getEntitlementsReply/entitlements/remainingDays	getPostpayAccountSummaryReply/entitlements/remainingDays	M	One to one mapping
getEntitlementsReply/entitlements/unitType	getPostpayAccountSummaryReply/entitlements/unitType	M	One to one mapping
getEntitlementsReply/entitlements/baseUnits/totalUnits	getPostpayAccountSummaryReply/entitlements/baseUnits/totalUnits	M	One to one mapping
getEntitlementsReply/entitlements/baseUnits/usedUnits	getPostpayAccountSummaryReply/entitlements/baseUnits/usedUnits	M	One to one mapping
getEntitlementsReply/entitlements/baseUnits/remainingUnits	getPostpayAccountSummaryReply/entitlements/baseUnits/remainingUnits	M	One to one mapping
getEntitlementsReply/entitlements/includingGST/totalUnits	getPostpayAccountSummaryReply/entitlements/includingGST/totalUnits	M	One to one mapping
getEntitlementsReply/entitlements/includingGST/usedUnits	getPostpayAccountSummaryReply/entitlements/includingGST/usedUnits	M	One to one mapping
getEntitlementsReply/entitlements/includingGST/remainingUnits	getPostpayAccountSummaryReply/entitlements/includingGST/remainingUnits	M	One to one mapping

Source Field	Target Field	M/O	Transformation/ Comment
getEntitlementsReply/entitlements/adjustmentIndicator	getPostpayAccountSummaryReply/entitlements/adjustmentIndicator	M	One to one mapping
getEntitlementsReply/entitlements/discountCalculationType	getPostpayAccountSummaryReply/entitlements/discountCalculationType	M	One to one mapping
getEntitlementsReply/entitlements/customerViewableIndicator	getPostpayAccountSummaryReply/entitlements/customerViewableIndicator	M	One to one mapping
getEntitlementsReply/entitlements/resourceID	getPostpayAccountSummaryReply/entitlements/resourceID	M	One to one mapping
Loop every entitlement in getEntitlementsReply/ entitlements			
getEntitlementsReply/entitlements/entitlement/levelIdentifier/PIN/number	getPostpayAccountSummaryReply/entitlements/entitlement/levelIdentifier/PIN/number	M	One to one mapping
getEntitlementsReply/entitlements/entitlement/levelIdentifier/MSISDN	getPostpayAccountSummaryReply/entitlements/entitlement/levelIdentifier/MSISDN	M	One to one mapping
getEntitlementsReply/entitlements/entitlement/levelIdentifier/billingAccountNumber	getPostpayAccountSummaryReply/entitlements/entitlement/levelIdentifier/billingAccountNumber	M	One to one mapping
getEntitlementsReply/entitlements/entitlement/levelIdentifier/customerAccountNumber	getPostpayAccountSummaryReply/entitlements/entitlement/levelIdentifier/customerAccountNumber	M	One to one mapping
getEntitlementsReply/entitlements/entitlement/levelIdentifier/externalIdentifier	getPostpayAccountSummaryReply/entitlements/entitlement/levelIdentifier/externalIdentifier	M	One to one mapping
getEntitlementsReply/entitlements/entitlement/productDescription	getPostpayAccountSummaryReply/entitlements/entitlement/productDescription	M	One to one mapping
getEntitlementsReply/entitlements/entitlement/entitlementType	getPostpayAccountSummaryReply/entitlements/entitlement/entitlementType	M	One to one mapping
getEntitlementsReply/entitlements/entitlement/unlimitedIndicator	getPostpayAccountSummaryReply/entitlements/entitlement/unlimitedIndicator	M	One to one mapping
getEntitlementsReply/entitlements/entitlement/displayName	getPostpayAccountSummaryReply/entitlements/entitlement/displayName	M	One to one mapping

Source Field	Target Field	M/O	Transformation/ Comment
getEntitlementsReply/entitlements/entitlement/sharedIndicator	getPostpayAccountSummaryReply/entitlements/entitlement/sharedIndicator	M	One to one mapping
getEntitlementsReply/entitlements/entitlement/Period/startDate	getPostpayAccountSummaryReply/entitlements/entitlement/Period/startDate	M	One to one mapping
getEntitlementsReply/entitlements/entitlement/Period/endDate	getPostpayAccountSummaryReply/entitlements/entitlement/Period/endDate	M	One to one mapping
getEntitlementsReply/entitlements/entitlement/Period/duration	getPostpayAccountSummaryReply/entitlements/entitlement/Period/duration	M	One to one mapping
getEntitlementsReply/entitlements/entitlement/remainingDays	getPostpayAccountSummaryReply/entitlements/entitlement/remainingDays	M	One to one mapping
getEntitlementsReply/entitlements/entitlement/unitType	getPostpayAccountSummaryReply/entitlements/entitlement/unitType	M	One to one mapping
getEntitlementsReply/entitlements/entitlement/baseUnits/totalUnits	getPostpayAccountSummaryReply/entitlements/entitlement/baseUnits/totalUnits	M	One to one mapping
getEntitlementsReply/entitlements/entitlement/baseUnits/usedUnits	getPostpayAccountSummaryReply/entitlements/entitlement/baseUnits/usedUnits	M	One to one mapping
getEntitlementsReply/entitlements/entitlement/baseUnits/remainingUnits	getPostpayAccountSummaryReply/entitlements/entitlement/baseUnits/remainingUnits	M	One to one mapping
getEntitlementsReply/entitlements/entitlement/includingGST/totalUnits	getPostpayAccountSummaryReply/entitlements/entitlement/includingGST/totalUnits	M	One to one mapping
getEntitlementsReply/entitlements/entitlement/includingGST/usedUnits	getPostpayAccountSummaryReply/entitlements/entitlement/includingGST/usedUnits	M	One to one mapping
getEntitlementsReply/entitlements/entitlement/includingGST/remainingUnits	getPostpayAccountSummaryReply/entitlements/entitlement/includingGST/remainingUnits	M	One to one mapping
getEntitlementsReply/entitlements/entitlement/adjustmentIndicator	getPostpayAccountSummaryReply/entitlements/entitlement/adjustmentIndicator	M	One to one mapping

Source Field	Target Field	M/O	Transformation/ Comment
getEntitlementsReply/entitlements/entitlement/discountCalculationType	getPostpayAccountSummaryReply/entitlements/entitlement/discountCalculationType	M	One to one mapping
getEntitlementsReply/entitlements/entitlement/customerViewableIndicator	getPostpayAccountSummaryReply/entitlements/entitlement/customerViewableIndicator	M	One to one mapping
getEntitlementsReply/entitlements/entitlement/resourceID	getPostpayAccountSummaryReply/entitlements/entitlement/resourceID	M	One to one mapping
Loop every productSummary in getProductSummaryListReply			
getProductSummaryListReply/productSummary/productID/name	getPostpayAccountSummaryReply/productSummary/productID/name	M	One to one mapping
getProductSummaryListReply/productSummary/productID/externalID	getPostpayAccountSummaryReply/productSummary/productID/externalID	M	One to one mapping
getProductSummaryListReply/productSummary/SAMProductID	getPostpayAccountSummaryReply/productSummary/samID	M	One to one mapping
getProductSummaryListReply/productSummary/displayName	getPostpayAccountSummaryReply/productSummary/displayName	M	One to one mapping
getProductSummaryListReply/productSummary/displayProductSubType	getProductSummaryListReply/productSummary/displayProductSubType	M	One to one mapping
getProductSummaryListReply/productSummary/customerViewableIndicator	getPostpayAccountSummaryReply/productSummary/customerViewableIndicator	M	One to one mapping
getProductSummaryListReply/productSummary/productType	getPostpayAccountSummaryReply/productSummary/productType	M	One to one mapping
getProductSummaryListReply/productSummary/productLevel/PIN/number	getPostpayAccountSummaryReply/productSummary/productLevel/PIN/number	M	One to one mapping
getProductSummaryListReply/productSummary/productLevel/MSISDN	getPostpayAccountSummaryReply/productSummary/productLevel/MSISDN	M	One to one mapping
getProductSummaryListReply/productSummary/productLevel/billingAccountNumber	getPostpayAccountSummaryReply/productSummary/productLevel/billingAccountNumber	M	One to one mapping

Source Field	Target Field	M/O	Transformation/ Comment
getProductSummaryListReply/ productSummary/productLevel /customerAccountNumber	getPostpayAccountSum maryReply/productSum mary/productLevel/custo merAccountNumber	M	One to one mapping
getProductSummaryListReply/ productSummary/productLevel /externalIdentifier	getPostpayAccountSum maryReply/productSum mary/productLevel/exter nalIdentifier	M	One to one mapping
getProductSummaryListReply/ productSummary/GSTApplica bleIndicator	getPostpayAccountSum maryReply/productSum mary/GSTApplicableIndi cator	M	One to one mapping
getProductSummaryListReply/ productSummary/productDetai ls/planDetails/planValue/inclus iveOfGST	getPostpayAccountSum maryReply/productSum mary/productDetails/plan Details/planValue/inclusi veOfGST	M	One to one mapping
getProductSummaryListReply/ productSummary/productDetai ls/planDetails/planValue/exclu siveOfGST	getPostpayAccountSum maryReply/productSum mary/productDetails/plan Details/planValue/exclus iveOfGST	M	One to one mapping
getProductSummaryListReply/ productSummary/productDetai ls/planDetails/planValue/GST	getPostpayAccountSum maryReply/productSum mary/productDetails/plan Details/planValue/GST	M	One to one mapping
getProductSummaryListReply/ productSummary/productDetai ls/planDetails/capValue/inclusi veOfGST	getPostpayAccountSum maryReply/productSum mary/productDetails/plan Details/capValue/inclusiv eOfGST	M	One to one mapping
getProductSummaryListReply/ productSummary/productDetai ls/planDetails/capValue/exclus iveOfGST	getPostpayAccountSum maryReply/productSum mary/productDetails/plan Details/capValue/exclusi veOfGST	M	One to one mapping
getProductSummaryListReply/ productSummary/productDetai ls/planDetails/capValue/GST	getPostpayAccountSum maryReply/productSum mary/productDetails/plan Details/capValue/GST	M	One to one mapping
getProductSummaryListReply/ productSummary/productDetai ls/planDetails/capPlanIndicator	getPostpayAccountSum maryReply/productSum mary/productDetails/plan Details/capPlanIndicator	M	One to one mapping

3.5   getInfo

3.5.1   SOAP Consumer to SSB

Source Field	Target Field	M/O	Transformation/ Comment
getAccountInfo/partyIdentificati on/serviceNumber/MSISDN	device_id	M	One to one mapping

3.5.2   SSB to SOAP Consumer

Source Field	Target Field	M/O	Transformation/ Comment
payingBillingAccountNumber	getAccountInfoReply/accountInfo/payingBillingAccountNumber	M	One to one mapping
accountName	getAccountInfoReply/accountInfo/billingAccountName	M	One to one mapping
accountType	getAccountInfoReply/accountInfo/customerAccountType	M	One to one mapping
paymentMethod	getAccountInfoReply/accountInfo/paymentMethod	M	One to one mapping

isComplexAccount	getAccountInfoReply/accountInfo/isComplexIndicator	M	If equals 0 then
			    Map to false
			else
			    Map to true

billingAccountStatus	getAccountInfoReply/accountInfo/billingAccountStatus	M	One to one mapping
billCycle	getAccountInfoReply/accountInfo/billCycleDOM	O	Transform to int
liveConnections	getAccountInfoReply/accountInfo/numberOfLiveConnections	M	One to one mapping
parentBillingAccountNumber	getAccountInfoReply/accountInfo/parentBillingAccountNumber	O	One to one mapping
installedAssetStatus	getAccountInfoReply/accountInfo/installedAssetStatus	O	One to one mapping

Result_code	SOAP Fault	M	IF equals 0 then
			    No mapping
			ELSE
			    Map to SOAP Fault code

Result_message	SOAP Fault	M	IF success then
			    No mapping
			ELSE
			    Map to SOAP Fault message

3.6   getHierarchy

3.6.1   SOAP Consumer to Siebel

Source Field	Target Field	M/O	Transformation/ Comment
getHierarchy/customerID/MSISDN	MSISDN	M	One to one mapping
getHierarchy/customerID/billingAccountNumber	BillingAccountNumber	M	One to one mapping

Source Field	Target Field	M/O	Transformation/ Comment
getHierarchy/hierarchyType	View	M	If "Partial" then map to "Partial" If "Full" then map to "All"
getHierarchy/header/webUser	WebUser	M	One to one mapping
getHierarchy/header/channel	Channel	M	One to one mapping
	CountryCode	M	Hardcoded to 'AU'

3.6.2 SOAP Consumer to Siebel

Source Field	Target Field	M/O	Transformation/ Comment
getHierarchy/customerID/MSISDN	InputParameters/MSISDN	M	One to one mapping
getHierarchy/customerID/billingAccountNumber	InputParameters/BillingAccountNumber	M	One to one mapping
getHierarchy/hierarchyType	InputParameters/View	M	If "Partial" then map to "Partial" If "Full" then map to "All"
getHierarchy/header/webUser	InputParameters/WebUser	M	One to one mapping
getHierarchy/header/channel	InputParameters/Channel	M	One to one mapping
	InputParameters/CountryCode	M	Hardcoded to 'AU'

3.6.3 Siebel to SOAP Consumer [Account reference]

Source Field	Target Field	M/O	Transformation/ Comment
siebelMessage/ListOfCustomerAccounts/CustomerAccount/ListOfBillingAccounts/BillingAccount/Number	getHierarchyReply/partyReference/accountReference/billingAccountNumber	M	One to one mapping
siebelMessage/ListOfCustomerAccounts/CustomerAccount/ListOfBillingAccounts/BillingAccount/Status	getHierarchyReply/partyReference/accountReference/status	M	One to one mapping
siebelMessage/ListOfCustomerAccounts/CustomerAccount/ListOfBillingAccounts/BillingAccount/PaymentMethod	getHierarchyReply/partyReference/accountReference/paymentMethod	M	One to one mapping
Loop every Billing accounts and their child Billing accounts, below mapping is applicable if parentAccountID = ID			

Source Field	Target Field	M/O	Transformation/ Comment
siebelMessage/ListOfCustomerAccounts/CustomerAccount/ListOfBillingAccounts/BillingAccount/BillingAccount/Number	getHierarchyReply/partyReference/accountReference/relatedAccountReference/billingAccountNumber	O	One to one mapping
siebelMessage/ListOfCustomerAccounts/CustomerAccount/ListOfBillingAccounts/BillingAccount/Status	getHierarchyReply/partyReference/accountReference/relatedAccountReference/status	O	One to one mapping
siebelMessage/ListOfCustomerAccounts/CustomerAccount/ListOfBillingAccounts/BillingAccount/PaymentMethod	getHierarchyReply/partyReference/accountReference/relatedAccountReference/paymentMethod	O	One to one mapping
Loop every Installed Assert			
siebelMessage/ListOfCustomerAccounts/CustomerAccount/ListOfBillingAccounts/BillingAccount/ListOfInstalledAssets/InstalledAsset/ListOfInstalledAsset_MSISDN/InstalledAsset_MSISDN/MSISDN	getHierarchyReply/partyReference/accountReference/relatedAccountReference/relatedSubscriberReference/MSISDN	O	One to one mapping
siebelMessage/ListOfCustomerAccounts/CustomerAccount/ListOfBillingAccounts/BillingAccount/ListOfInstalledAssets/InstalledAsset/Status	getHierarchyReply/partyReference/accountReference/relatedAccountReference/relatedSubscriberReference/status	O	One to one mapping
siebelMessage/ListOfCustomerAccounts/CustomerAccount/ListOfBillingAccounts/BillingAccount/ListOfInstalledAssets/InstalledAsset/ListOfInstalledAsset_MSISDN/InstalledAsset_MSISDN/MSISDN	getHierarchyReply/partyReference/accountReference/relatedSubscriberReference/MSISDN	O	One to one mapping
siebelMessage/ListOfCustomerAccounts/CustomerAccount/ListOfBillingAccounts/BillingAccount/ListOfInstalledAssets/InstalledAsset/Status	getHierarchyReply/partyReference/accountReference/relatedSubscriberReference/status	O	One to one mapping

3.6.4   Siebel Stored Procedure to SOAP Consumer

Refer Section 3.6.2 for mapping from Siebel Stored Procedure to Consumer.

3.6.5 Siebel to SOAP Consumer [Customer reference]

Source Field	Target Field	M/O	Transformation/ Comment
siebelMessage/ListOfCustomerAccounts/CustomerAccount/Id	getHierarchyReply/partyReference/customerReference/customerAccountNumber	M	One to one mapping
siebelMessage/ListOfCustomerAccounts/CustomerAccount/Status	getHierarchyReply/partyReference/customerReference/status	M	One to one mapping
siebelMessage/ListOfCustomerAccounts/CustomerAccount/Type	getHierarchyReply/partyReference/customerReference/customerAccountType	M	One to one mapping
Loop every Billing accounts and their child Billing accounts, below mapping is applicable if parentAccountID = ID			
siebelMessage/ListOfCustomerAccounts/CustomerAccount/ListOfBillingAccounts/BillingAccount/BillingAccount/Number	getHierarchyReply/partyReference/customerReference/relatedAccountReference/billingAccountNumber	O	One to one mapping
siebelMessage/ListOfCustomerAccounts/CustomerAccount/ListOfBillingAccounts/BillingAccount/Status	getHierarchyReply/partyReference/customerReference/relatedAccountReference/status	O	One to one mapping
siebelMessage/ListOfCustomerAccounts/CustomerAccount/ListOfBillingAccounts/BillingAccount/PaymentMethod	getHierarchyReply/partyReference/customerReference/relatedAccountReference/paymentMethod	O	One to one mapping
Loop every Installed Assert			
siebelMessage/ListOfCustomerAccounts/CustomerAccount/ListOfBillingAccounts/BillingAccount/ListOfInstalledAssets/InstalledAsset/ListOfInstalledAsset_MSISDN/InstalledAsset_MSISDN/MSISDN	getHierarchyReply/partyReference/customerReference/relatedAccountReference/relatedSubscriberReference/MSISDN	O	One to one mapping
siebelMessage/ListOfCustomerAccounts/CustomerAccount/ListOfBillingAccounts/BillingAccount/ListOfInstalledAssets/InstalledAsset/Status	getHierarchyReply/partyReference/customerReference/relatedAccountReference/relatedSubscriberReference/status	O	One to one mapping

3.7 getBalances

3.7.1 SOAP Consumer to SSB

Source Field	Target Field	M/O	Transformation/ Comment
getBalances/accountBalanceIdentifier/MSISDN	DEVICEIDORBAN	M	One to one mapping when MSISDN is provided
getBalances/accountBalanceIdentifier/billingAccountNumber	DEVICEIDORBAN	M	One to one mapping when BAN is provided
	TYPEIDENTIFIER	M	If MSISDN then set to '1' If BAN then set to '0'

3.7.2 SSB to SOAP Consumer

Source Field	Target Field	M/O	Transformation/ Comment
getBalances/accountBalanceIdentifier/MSISDN	getBalancesReply/subscriptionBalances/MSISDN	M	One to one mapping when MSISDN is provided
UnbilledUsageIncGST	getBalancesReply/subscriptionBalances/unbilledUsage/inclusiveOfGST	M	One to one mapping
UnbilledUsage	getBalancesReply/subscriptionBalances/unbilledUsage/exclusiveOfGST	M	One to one mapping
	getBalancesReply/subscriptionBalances/unbilledUsage/GST	M	UnbilledUsageIncGST - UnbilledUsage
UnbilledBalanceIncGST	getBalancesReply/subscriptionBalances/unbilledBalance/inclusiveOfGST	M	One to one mapping
UnbilledBalance	getBalancesReply/subscriptionBalances/unbilledBalance/exclusiveOfGST	M	One to one mapping
	getBalancesReply/subscriptionBalances/unbilledBalance/GST	M	UnbilledBalanceIncGST - UnbilledBalance
In MSISDN request, if showAccountUsageIndicator = 'true', below mappings are applicable. In BAN request, no condition is applied, below mappings are applicable.			
In MSISDN request, Loop every totalUnbilledUsage in getBalancesReply/accountBalances, if totalUnbilledUsage/serviceType and totalUnbilledUsage/usageType matches with any other then sum of those two will be sent as single totalUnbilledUsage			
$outputParameters1/C_RESULT/Row/Column[@name='GB_SERVICETYPE']	getBalancesReply/accountBalances/totalUnbilledUsage/serviceType	M	One to one mapping
$outputParameters1/C_RESULT/Row/Column[@name='GB_USAGETYPE']	getBalancesReply/accountBalances/totalUnbilledUsage/usageType	M	One to one mapping

Source Field	Target Field	M/O	Transformation/ Comment
$outputParameters1/C_RESULT/Row/Column[@name=' GB_UNBILLEDUSAGEINCGST']	getBalancesReply/account Balances/totalUnbilledUsage/unbilledUsages/inclusive OfGST	M	One to one mapping
$outputParameters1/C_RESULT/Row/Column[@name='GB_UNBILLEDUSAGE']	getBalancesReply/account Balances/totalUnbilledUsage/unbilledUsages/exclusive OfGST	M	One to one mapping
	getBalancesReply/account Balances/totalUnbilledUsage/unbilledUsages/GST	M	GB_UNBILLEDUSAGEINCGST - GB_UNBILLEDUSAGE
In BAN request, Loop every totalUnbilledUsage in getBalancesReply/accountBalances, if totalUnbilledUsage/serviceType and totalUnbilledUsage/usageType matches with any other then sum of those two will be sent as single totalUnbilledUsage			
$outputParameters1/C_RESULT_BAN/Row/Column[@name='GB_SERVICETYPE']	getBalancesReply/account Balances/totalUnbilledUsage/serviceType	M	One to one mapping
$outputParameters1/C_RESULT_BAN/Row/Column[@name='GB_USAGETYPE']	getBalancesReply/account Balances/totalUnbilledUsage/usageType	M	One to one mapping
$outputParameters1/C_RESULT_BAN/Row/Column[@name='GB_TOTALUNBILLEDUSAGEINCGST']	getBalancesReply/account Balances/totalUnbilledUsage/unbilledUsages/inclusive OfGST	M	One to one mapping
$outputParameters1/C_RESULT_BAN/Row/Column[@name='GB_TOTALUNBILLEDUSAGE']	getBalancesReply/account Balances/totalUnbilledUsage/unbilledUsages/exclusive OfGST	M	One to one mapping
	getBalancesReply/account Balances/totalUnbilledUsage/unbilledUsages/GST	M	GB_TOTALUNBILLEDUSAGEINCGST - GB_TOTALUNBILLEDUSAGE
BANTotalUnbilledbalanceIncGST	getBalancesReply/account Balances/totalUnbilledBalance/inclusiveOfGST	M	One to one mapping
BANTotalUnbilledbalance	getBalancesReply/account Balances/totalUnbilledBalance/exclusiveOfGST	M	One to one mapping
	getBalancesReply/account Balances/totalUnbilledBalance/GST	M	BANTotalUnbilledbalanceIncGST - BANTotalUnbilledbalance
TotalDueAmount	getBalancesReply/account Balances/ totalDueAmount	M	One to one mapping
TotalOverdueAmount	getBalancesReply/account Balances/ totalOverdueAmount	M	One to one mapping

Source Field	Target Field	M/O	Transformation/ Comment
OverallBalBillbalIncGST	getBalancesReply/account Balances/overallBalance/inclusiveOfGST	M	One to one mapping
OverallBalance	getBalancesReply/account Balances/overallBalance/exclusiveOfGST	M	One to one mapping
	getBalancesReply/account Balances/overallBalance/GST	M	OverallBalBillbalIncGST - OverallBalance
TotalUnappliedAmount	getBalancesReply/account Balances/totalUnappliedAmount	M	One to one mapping
TotalDisputedAmount	getBalancesReply/account Balances/totalDisputedAmount	M	One to one mapping
RecentInvoicenumber	getBalancesReply/mostRecentInvoiceBalances/invoiceNumber/number	M	One to one mapping
RecentInvoicedate	getBalancesReply/mostRecentInvoiceBalances/invoiceDate	M	Map only date
RecentInvoiceduedate	getBalancesReply/mostRecentInvoiceBalances/dueDate	M	If RecentInvoiceduedate!= null, then map only date
RecentInvoiceAmountOwing	getBalancesReply/mostRecentInvoiceBalances/invoicedAmountOwing/GST	M	One to one mapping
RecentInvoicePaymentAmount	getBalancesReply/mostRecentInvoiceBalances/totalPayments/GST	M	One to one mapping
RecentInvoiceAmount	getBalancesReply/mostRecentInvoiceBalances/invoiceAmount/inclusiveOfGST	M	One to one mapping
	getBalancesReply/mostRecentInvoiceBalances/invoiceAmount/exclusiveOfGST	M	RecentInvoiceAmount - RecentInvoiceGST
RecentInvoiceGST	getBalancesReply/mostRecentInvoiceBalances/invoiceAmount/GST	M	One to one mapping
RecentInvoiceDisputeamount	getBalancesReply/mostRecentInvoiceBalances/totalDisputedAmount/GST	M	One to one mapping
RecentInvoiceDiscountAmount	getBalancesReply/mostRecentInvoiceBalances/totalDiscounts/GST	M	One to one mapping

Source Field	Target Field	M/O	Transformation/ Comment
RecentInvoicetype	getBalancesReply/mostRecentInvoiceBalances/adjustedAmount/invoiceType	M	If RecentInvoicetype = '0' then set as 'Normal' If RecentInvoicetype = '1' then set as 'Bill Now'
RecentInvoiceStatus	getBalancesReply/mostRecentInvoiceBalances/invoiceStatus	M	If RecentInvoiceStatus = '01' then set as 'Pending' If RecentInvoiceStatus = '02' then set as 'Open' If RecentInvoiceStatus = '04' then set as 'Closed'

Result_code	SOAP Fault	M	IF equals 0 then
			    No mapping
			ELSE
			    Map to SOAP Fault code

Result_message	SOAP Fault	M	IF success then
			    No mapping
			ELSE
			    Map to SOAP Fault message

3.8   getEntitlement

3.8.1   SOAP Consumer to SSB

Source Field	Target Field	M/O	Transformation/ Comment
getBalances/accountBalanceIdentifier/MSISDN (or) getBalances/accountBalanceIdentifier/billingAccountNumber	DEVICEIDORBAN	M	If MSISDN!= Null then Map MSISDN Else map BAN
	TYPEIDENTIFIER	M	If MSISDN then set to '1' If BAN then set to '0'

3.8.2   SSB to SOAP Consumer

Source Field	Target Field	M/O	Transformation/ Comment
getBalances/accountBalanceIdentifier/MSISDN	getEntitlementsReply/requestedIdentifier/MSISDN	M	One to one mapping
getBalances/accountBalanceIdentifier/billingAccountNumber	getEntitlementsReply/requestedIdentifier/billingAccountNumber	M	One to one mapping
Loop for every C_RESULT_Row to map the record set under the following condition: • When the channel is not 'MyBill', record sets will be mapped after checking if the BRMRESOURCEID does not match the filtering resourceID in the configuration file			

Source Field	Target Field	M/O	Transformation/ Comment
getEntitlements/entitlement Level/MSISDN	getEntitlementsReply/entitle ment/levelIdentifier/MSISD N	M	One to one mapping
getEntitlements/entitlement Level/billingAccountNumbe r	getEntitlementsReply/entitle ment/levelIdentifier/billingAc countNumber	M	One to one mapping
PRODDESCRIPTION	getEntitlementsReply/entitle ment/productDescription	M	One to one mapping
ENTITLEMENTTYPE	getEntitlementsReply/entitle ment/entitlementType	M	One to one mapping
	getEntitlementsReply/entitle ment/unlimitedIndicator	M	Set to 'false'
DISPLAYNAME	getEntitlementsReply/entitle ment/displayName	M	One to one mapping
SHAREDFLAG	getEntitlementsReply/entitle ment/sharedIndicator	O	If SHAREDFLAG!=Null then if SHAREDFLAG='0' then set to 'false' Else 'true' Else Do nothing
STARTDATE	getEntitlementsReply/entitle ment/period/startDate	M	If STARTDATE!=Null then map STARTDATE
EXPIRYDATE	getEntitlementsReply/entitle ment/period/endDate	M	If EXPIRYDATE!=Null then map EXPIRYDATE
EXPIRYDATE	getEntitlementsReply/entitle ment/remainingDays	M	If EXPIRYDATE!=Null then if EXPIRYDATE >= current date then map (EXPIRYDATE – Current date) + 1 Else Set to '0' Else Do nothing

UNITTYPE	getEntitlementsReply/entitle ment/unitType	M	If UNITTYPE!=Null then
			If UNITTYPE='Unit' or 'unit' then set to 'Units'
			Else
			One to one mapping
			Else
			Do nothing

ENTORIGAMT	getEntitlementsReply/entitle ment/baseUnits/totalUnits	M	If ENTORIGAMT!=Null then One to one mapping Else Set to '0'

Source Field	Target Field	M/O	Transformation/ Comment

ENTUSED	getEntitlementsReply/entitlement/baseUnits/usedUnits	M	If ENTUSED!=Null then
			One to one mapping
			Else
			Set to '0'

ENTREMAIN	getEntitlementsReply/entitlement/baseUnits/remainingUnits	M	If ENTREMAIN!=Null then
			One to one mapping
			Else
			Set to '0'

ENTORIGAMTINCGST	getEntitlementsReply/entitlement/includingGST/totalUnits	M	If ENTORIGAMTINCGST!=Null then
			One to one mapping
			Else
			Set to '0'

ENTUSEDINCGST	getEntitlementsReply/entitlement/includingGST/usedUnits	M	If ENTUSEDINCGST!=Null then
			One to one mapping
			Else
			Set to '0'

ENTREMAININCGST	getEntitlementsReply/entitlement/includingGST/remainingUnits	M	If ENTREMAININCGST!=Null then
			One to one mapping
			Else
			Set to '0'

PRODDESCRIPTION	getEntitlementsReply/entitlement/adjustmentIndicator	O	If PRODDESCRIPTION!=Null then
			If PRODDESCRIPTION = 'Adjustment' or 'adjustment' then set to 'true'
			Else
			'false'
			Else
			Do nothing

RATINGORBILLING	getEntitlementsReply/entitlement/discountCalculationType	M	One to one mapping

CUSTOMERVIEWABLE	getEntitlementsReply/entitlement/customerViewableIndicator	M	If CUSTOMERVIEWABLE = '0' then
			Set to 'false'
			Else
			'true'

BRMResourceId	getEntitlementsReply/entitlement/resourceID	O	If channel is 'MyBill' perform one to one mapping. Else introduce filtering logic based on fusion configurations.
BRMAGGRESOURCEID	getEntitlementsReply/entitlement/aggregatedResourceID	M	One to one mapping

Source Field	Target Field	M/O	Transformation/ Comment

Result_code	SOAP Fault	M	IF equals 0 then
			   No mapping
			ELSE
			   Map to SOAP Fault code

Result_message	SOAP Fault	M	IF success then
			   No mapping
			ELSE
			   Map to SOAP Fault message

3.9 getProductSummaryList

3.9.1 SOAP Consumer to SSB

Source Field	Target Field	M/O	Transformation/ Comment
getProductSummaryList/productLevel/MSISDN (or) getProductSummaryList/productLevel/billingAccountNumber	DEVICEIDORBAN	M	If MSISDN!= Null then Map MSISDN Else map BAN
	TYPEIDENTIFIER	M	If MSISDN then set to '1' If BAN then set to '0'

3.9.2 SSB to SOAP Consumer

Source Field	Target Field	M/O	Transformation/ Comment
Loop for every Row and following mappings are applicable only when PRODTYPE= getProductSummaryList/productType			
PRODNAME	getProductSummaryListReply/productSummary/productID/name	M	One to one mapping
SAM_ID	getProductSummaryListReply/productSummary/samID	M	One to one mapping
DISPLAYNAME	getProductSummaryListReply/productSummary/displayName	M	One to one mapping
DSP_PROD_SUBTYPE	getProductSummaryListReply/productSummary/displayProductSubType	M	One to one mapping

CUSTVIEWABLE	getProductSummaryListReply/productSummary/customerViewableIndicator	M	If CUSTVIEWABLE='0' then
			'false'
			Else
			'true'

PRODTYPE	getProductSummaryListReply/productSummary/productType	M	One to one mapping

Source Field	Target Field	M/O	Transformation/ Comment

getProductSummaryList/productLevel/MSISDN	getProductSummaryListReply/productSummary/productLevel/MSISDN	M	If MSISDN!=Null then
			One to one mapping
			Else
			Do nothing

getProductSummaryList/productLevel/billingAccountNumber	getProductSummaryListReply/productSummary/productLevel/billingAccountNumber	M	If BAN!=Null then
			One to one mapping
			Else
			Do nothing

GSTFLAG	getProductSummaryListReply/productSummary/GSTApplicableIndicator	M	If GSTFLAG='0' then
			'false'
			Else
			'true'

MNTHCHARGE	getProductSummaryListReply/productSummary/productDetails/planDetails/PlanValue/inclusiveOfGST	M	One to one mapping
MNTHENTITLEAMT	getProductSummaryListReply/productSummary/productDetails/planDetails/capValue/inclusiveOfGST	M	One to one mapping
CAPPLAN_FLAG	getProductSummaryListReply/productSummary/productDetails/planDetails/capPlanIndicator	M	One to one mapping

Result_code	SOAP Fault	M	IF equals 0 then
			    No mapping
			ELSE
			    Map to SOAP Fault code

Result_message	SOAP Fault	M	IF success then
			    No mapping
			ELSE
			    Map to SOAP Fault message

4 Non Functional

Performance	Please refer to the standard VHA performance and capacity requirements that are captured in *VHA Fusion Foundation Requirements* document. In addition there should be a capability for each operation within the service to be configured with its own value to timeout the request to the backend system to be able to respond back to the consumer. Any DB parameter change to be made for Siebel DB cannot be done at runtime and will need a server restart to reflect.
Capacity	Please refer to the standard VHA performance and capacity requirements that are captured in *VHA Fusion Foundation Requirements* document.
Availability	Please refer to the standard VHA availability requirements that are captured in *VHA Fusion Foundation Requirements* document. This service needs to be available 24x7.
Security	Please refer to the standard VHA security requirements that are captured in *VHA Fusion Foundation Requirements* document. In addition, a standard Fusion username and password should be used for the authentication with Siebel.
Regulatory	Please refer to the VHA Fusion Foundation Requirements document. In addition any sensitive information like credit card details will not be accessible within the Fusion environment. The consumer of the service will be responsible for passing these details in an encrypted format and Fusion will not have the capability to decrypt this information.
Logging	Please refer to the standard VHA logging requirements that are captured in *VHA Fusion Foundation Requirements* document. The log files should utilise the *externalIdentifier* in the standard request header as the transaction identifier.
Auditing	Please refer to the standard VHA auditing requirements that are captured in *VHA Fusion Foundation Requirements* document.
Management	Please refer to the standard VHA management requirements that are captured in *VHA Fusion Foundation Requirements* document.
Standards	The service should conform to the standards as outlined in the VHA Reference Architecture document.
Throttling	N/A
Threshold Management	N/A
Queuing	N/A
Prioritisation	N/A
Request Routing	N/A

Timeout	30 seconds for consumer. For Siebel stored procedure invocation timeout value to be declared by Siebel team. Note: Timeout parameters will be specific to Stored Procedures, timeout value will be configured in weblogic level.
Auto Re-tries	Re-try until successfully sent to SSB. Say maximum of 5 times; if still fails after 5 re-tries, fault return to consumer.

Table within Timeout cell:

Interface Name	Stored Procedure Name	TimeOut Value
Account.getHierarchy	VHA_DB_SS_Acnt_Hier_Request	TBD

5 Appendix

5.1 Sample Messages

Service	Request	Response
OnlineSelfServiceCVS.getPostpayAccountSummary	SampleRequest.xml	SampleResponse.xml

5.2 Error Messages

As per the SOAP Faults described in section 3.3.4

Service Operation	Fault Response
OnlineSelfServiceCVS.getPostpayAccountSummary	SampleFault.xml

5.3 Service Provider – GetPostpayAccountSummary

5.3.1 GetInfo - SSB Request

5.3.1.1 Field Definition

S N o.	Input parameter(s)	Type of parameter	Format	Mandatory	Table to use	Field to use	Description
1	deviceId	String	Should be same as device_t.device_id. Ex: for MSISDN 61…..	yes	service_alias_list_t or device_t & device_services_t	service_alias_list_t.name or device_t.device_id	It can be derived from device_services_t table or service_alias_list_t table to get associated account object. It is more safe to use device_t table to avoid service transfer issues

5.3.2   GetInfo - SSB Response

5.3.2.1   Field Definition

S N o	Output parameter	Field Type	Format	Manda tory	BRM table	Field	Description
1	payingBillingAccountNumber	String	Same as account_t.account_no	Yes	account_t	account_no	For single paying account hierarchy payingBillingAccountNumber will be same as ParentBillingAccountNumber . Otherwise ParentBillingAccount will be different from payingBillingAccountNumber . Get account_obj_id0 for given device_t and device_services_t from this account_obj_id0 get ar_billinfo_obj_id0 from billinfo_t. Use this billinfo_obj_id0 to get account_obj_id0 as payingBillingAccountNumber
2	accountName	String	Last name + First name	Yes	account_nameinfo_t	last_name + first_name	Concatenate last_name and first_name fields
3	accountType	String	Text format	Yes	account_t and config_customer_segment_t	Cust_seg_DESC	Possible values: Person Local Registered Company Foreign Registered

								Company Government Partnership
4	paymen tMethod	String	Text format	Yes	billinfo_t		pay_type	If pay_type = 10000 set paymentmetho d as prepay and for others it should be set to postpay
5	isCompl exAcco unt	Integer	Number format	Yes	group_billing_m embers_t group_t		derived	This values will be set to 1 of paying account has child accounts (non-paying accounts) or more than one subscription. Using payingbillingAc countNumber to get count from group_billing_ members_t and group_t to get members count. If this count > 1 set the value as 1 otherwise 0
6	billingA ccountS tatus	String	Text format	Yes	account_t		status	Active or Inactive
7	billCycl e	String	'dd' format – ex for account with bill cycle for 1st should appear as '01'	Yes	billinfo_t		actg_dom	Cycle dom of the account
8	liveCon nection s	Integer	Number format	Yes	service_t		derived	Count from (5) service_t.statu s = 10101

9	parentBillingAccountNumber	String	Same as account_t.account_no	Yes	account_t	account_no	Get account_obj_id0 for given device_t and device_services_t from this account_obj_id0 get parent_billinfo_obj_id0 from billinfo_t. If this zero, use ar_billinfo_obj_id0. If parent_billinfo_obj_id0 is a non-paying one (where pay_type is 10007) get AR_BILLINFO_OBJ_ID0 Use this billinfo_obj_id0 to get account_obj_id0 as payingBillingAccountNumber
10	installedAssetStatus	String	Text format	Yes	Service_t	status	Status of the device passed as input parameter. LOV: Active Inactive.
11	Result_code	Integer	Number format	Yes	Derived – 0 for success and other than 0 for each error code		
12	Result_message	String	Free text	No	Return message – based on Result_code		

5.3.3   getBalances – SSB Request

5.3.3.1   Field Definition

SN	Input paramete	Type of param	Format	Man dato	Table to use	Field to use	Description

o.	r(s)	eter		ry			
1	deviceIdOrBAN	String	If input is BAN it should be same as account_t.account_no and if device_id then it should be same device_t.device_id	Yes	service_alias_list_t or device_t & device_services_t if device_id is passed. Account_t if BAN is passed	service_alias_list_t.name or device_t.device_id if device_id is passed. Account_t.account_no if BAN is passed	It can be derived from device_services_t table or service_alias_list_t table to get associated account object. It is more safe to use device_t table to avoid service transfer issues
2	TypeIdentifier	Integer	0 or 1	Yes	0 if BAN is passed 1 if Device Id is passed	NA	NA

5.3.4   getBalances – SSB Response

5.3.4.1   Field Definition

1.1.1   getBalances – SSB Response

5.3.4.2   Field Definition

SNo	Output Parameter	Field Type	Format	Mandatory	BRM Table	Field	Description
1	BANTotalUnbilledUsage	Decimal	Currency format. Default 0.0	Yes	Derived for all subscriptions under the BAN - ITEM_T for type usage	Sum(ITEM_T.DUE)	Total unbilled usage for the billing account, exclusive of other charges, eg monthly charges, and exclusive of GST
2	BANTotalUnbilledUsageIncGST	Decimal	Currency format. Default 0.0	Yes	Derived for all subscriptions under the BAN - ITEM_T for type usage + GST amount calculated based on tax percentage configured in SSB_Configurati	Sum(ITEM_T.DUE) + GST	Total unbilled usage for the billing account , including all non-paying and subscription usage charges, exclusive of other charges, eg monthly charges plus GST

					on_t table		
3	BANTotalUnbilledbalance	Decimal	Currency format – default 0.0	Yes	Derived for all subscriptions under the BAN - ITEM_T	Sum(ITEM_T.DUE)	Total unbilled balance for the billing account, including all non-paying and subscription charges inclusive of monthly charges and usage charges eg monthly charges and usage charges but exclusive of GST
4	BANTotalUnbilledbalanceIncGST	Decimal	Currency format – default 0.0	Yes	Derived for all subscriptions under the BAN - ITEM_T + GST amount calculated based on tax percentage configured in SSB_Configuration_t table	Sum(ITEM_T.DUE) + GST	Total unbilled usage for the billing account, inclusive of other charges, eg monthly charges plus GST
5	Recent Invoice Amount	Decimal	Currency format – default 0.0 (for new account with no bill generated)	Yes	BILL_T	TOTAL_DUE	Total amount of the most recent invoice
6	Recent Invoice Amount Owing	Decimal	Currency format – default 0.0 (for new account with no bill generated)	Yes	BILL_T	DUE	Total amount of the most recent invoice, less any payments that have since been received from the customer and applied to that invoice.
7	Recent Invoice date	Date	Date format – yyyy-mm-dd	No – (for new accounts with no	BILL_T	CCURRENCY_OPER	Production date of the most recent invoice.

				bills gene rated)			
8	Recen t Invoic e due date	Date	Date format – yyyy- mm-dd	No – (for new acco unts with no bills gene rated)	BILL_T	due_t	The date that the payment for the most recent invoice is due by.
9	Recen t Invoic e GST	Decim al	Currenc y format – default 0.0 (for new account with no bill generat ed)	Yes	item_t	item_t.tot al	The GST amount from the most recent invoice.
10	Recen tInvoic e numbe r	String	BILL_T. BILL_N O format	No. (for new acco unts with no bills gene rated)	bill_t	BILL_NO	The invoice number of the most recent invoice.
11	Recen t Invoic e Discou nt Amou nt	Decim al	Currenc y format – default 0.0 (for account with no discoun t amount)	Yes	Discount - item_t	sum (item_t.to tal)	The total discount amount as applied to the most recent invoice.
12	Recen t Invoic e Disput e amoun	Decim al	Currenc y format – default 0.0 (for account with no	Yes	Dispute - item_t	Sum(ITE M_T.total)	Disputed amount for Recent Invoice

			dispute amount)				
13	Recent Invoice Payment Amount	Decimal	Currency format – default 0.0 (for account with no payment amount)	Yes	Payment - item_t	sum(item _t.item_t otal)	The total payment amount as applied to the most recent invoice.
14	Recent Invoice Adjusted amount	Decimal	Currency format – default 0.0 (for account with no adjusted amount)	Yes	BILL_T	ADJUST ED	Amount adjust to this bill
15	Recent Invoice type	Integer	0 or 1	No. (for accounts with no bills)	Derived – BILL_T	If BILL_T.N AME = 'PIN Bill' set to 0 else set to 1	If the bill is created as normal one (at the end of bill cycle) or using bill now option. AU doesn't use bill now option – Hence this value will be always 0
16	Recent Invoice Status	String	Text format with possible values 02 or 04	No. (for accounts with no bills)	Derived – BILL_T	If due != 0 then set this value 02 (open) else set to 04 (closed)	01 – pending state is not valid state
17	Total Due Amount	Decimal	Currency format – default 0.0 (for account with no total due amount)	Yes	Derived - BILL_T	sum(due)	This is the total amount due from all open bills, i.e. for invoices where payments have not yet been made.

18	Total Overdue Amount	Decimal	Currency format – default 0.0 (for account with no over due amount)	Yes	Derived - BILL_T	sum(bill_t .due)	This is the total amount due from all open bills, i.e. where the due by date of the invoice has been exceeded and amounts are still pending payment.
19	Overall Balance	Decimal	Currency format – default 0.0 (for account with no over all balance amount)	yes	Derived	Total due + (BAN Unbilled balance)	Total amount owing run at a point in time. Includes any unpaid amounts owing from previous invoices, inclusive of GST, as well as the following items, which are GST exclusive (as GST is applied at billing time), any unbilled usage, any one-time charges and/or adjustments that may have been allocated to the billing account, and any recurring charges that have been calculated for the account (e.g. cycle forward charges are applied as part of the open billing process at midnight am on the day of billing).
20	Overall Balance Inc unbilled balanceIncEstGST	Decimal	Currency format – default 0.0 (for account with no over all balance amount)	yes	Derived	Total due + (BAN Unbilled balance + GST)	Total amount owing run at a point in time. Includes any unpaid amounts owing from previous invoices, inclusive of GST, as well as the following items, any unbilled usage*, any one-time charges* and/or adjustments* that may have been allocated to the billing account, and any recurring charges* that have been calculated for the account (e.g.

							cycle forward charges are applied as part of the open billing process at midnight am on the day of billing), plus an estimate fo GST for those charges denoted by*
21	Total Unapplied Amount	Decimal	Currency format – default 0.0 (for account with zero amount)	yes	Derived - item_t	sum(due) - AR items	Total amount of unallocated payments/Adjustments
22	Total Disputed Amount	Decimal	Currency format – default 0.0 (for account with zero amount)	Yes	Derived - item_t	sum(due) - Dispute items	Not used by VHA
23	Unbilled Usage	Decimal	Currency format – default 0.0 (for account with zero amount)		Derived for given subscriptions - ITEM_T for type usage	sum(due)	Total unbilled usage for the device_id (if input), exclusive of other charges, eg monthly charges, and exclusive of GST
24	Unbilled Usage IncGST	Decimal	Currency format – default 0.0 (for account with zero amount)	No. (Mandatory only if input parameter is device_id)	Derived for given subscriptions - ITEM_T for type usage + GST amount calculated based on tax percentage configured in SSB_Configuration_t table	sum(due)	Total unbilled usage for the device_id (if input), exclusive of other charges, eg monthly charges, and exclusive of GST
25	Unbilled Balance	Decimal	Currency format – default 0.0 (for account with	No. (Mandatory only if input	Derived for given subscriptions - ITEM_T all items	sum(due)	Total unbilled usage for the device_id (if input), inclusive of other charges, eg monthly charges, but exclusive of

SN o.	Input param eter(s)	Type of param eter	Format	Mand atory	Table to use	Field to use	Description
			zero amount)	para mete r is devic e_id)			GST
26	Unbille d Balanc eIncG ST	Decim al	Currenc y format – default 0.0 (for account with zero amount)	No. (Man dator y only if input para mete r is devic e_id)	Derived for given subscriptions - ITEM_T all items + GST amount calculated based on tax percentage configured in SSB_Configurati on_t table	sum(due)	Total unbilled usage for the device_id (if input), inclusive of other charges, eg monthly charges plus GST
27	Result _code	Integer	Currenc y format – default 0.0 (for account with zero amount)	No. (Man dator y only if input para mete r is devic e_id)	Derived – 0 for success and other than 0 for each error code		
28	Result _mess age	String			Return message – based on Result_code		

5.3.5   getEntitlement – SSB Request

5.3.5.1   Field Definition

SN o.	Input param eter(s)	Type of param eter	Format	Mand atory	Table to use	Field to use	Description
1	BAN	String	BAN it should be same as account_ t.account _no	Yes	Account_t if BAN is passed	Account_t. account_n o if BAN is passed	BAN account number
2	StartDa te	Date	mm-yyyy	Yes			Input date should be tested for valid input. Start date should be earlier

							than end_date. Month and year should not be older than 13 months
3	EndDate	Date	mm-yyyy	Yes			Input date should be tested for valid input. Month and year should not be older than 13 months

5.3.6   getEntitlement – SSB Response

5.3.6.1   Field Definition

SNo	Output parameter(s)	Type of parameter	Format	Mandatory	Table to use	Field to use	Description
1	Invoiced Amount	Decimal	Currency format – default 0.0 (for new account with no bill generated)	Yes	BILL_T	TOTAL_DE	Total amount of the invoice
2	InvoicedAmountOwing	Decimal	Currency format – default 0.0 (for new account with no bill generated)	Yes	BILL_T	DUE	Total amount of the most recent invoice, less any payments that have since been received from the customer and applied to that invoice.
3	InvoiceDate	Date	Date format – yyyy-mm-dd	Yes	BILL_T	CCURRENCY_OPER	Production date of the invoice.
4	InvoiceDueDate	Date	Date format – yyyy-mm-dd	Yes	BILL_T	due_t	The date that the payment for the invoice is due by.

5	Invoice GST	Decimal	Currency format – default 0.0 (for new account with no bill generated)	Yes	item_t	item_t.total	The GST amount from the invoice.
6	Invoice Number	String	BILL_T.BILL_NO format	Yes	bill_t	BILL_NO	The invoice number of the invoice.
7	Invoice Discount Amount	Decimal	Currency format – default 0.0 (for account with no discount amount)	Yes	Discount – item_t	sum (item_t.total)	The total discount amount as applied to the invoice.
8	Invoice Dispute Amount	Decimal	Currency format – default 0.0 (for account with no dispute amount)	Yes	Dispute - item_t	Sum(ITEM _T.total)	Disputed amount for invoice
9	Invoice Adjusted Amount	Decimal	Currency format – default 0.0 (for account with no adjusted amount)	Yes	BILL_T	ADJUSTED	Amount adjust to this bill
10	Invoice Type	Integer	0 or 1	Yes	Derived – BILL_T	If BILL_T.NAME = 'PIN Bill' set to 0 else set to 1	If the bill is created as normal one (at the end of bill cycle) or using bill now option. AU doesn't use bill now option – Hence this value will be always 0
11	Invoice Status	String	Text format with possible values 02 or 04	Yes	Derived – BILL_T	If due != 0 then set this value 02 (open) else set to 04 (closed)	01 – pending state is not valid state

12	Invoice Payment Amount	Decimal	Currency format – default 0.0 (for account with no payment amount)	Yes	Payment - item_t	sum(item_t.item_total)	The total payment amount as applied to the invoice.
13	Result_code	Integer			Derived – 0 for success and other than 0 for each error code		Result code is not part of the multiple results list. Only one error code should used
14	Result_message	String			Return message – based on Result_code		Result message is not part of the multiple results list. Only one error message should used

5.3.7 getProductSummaryList – SSB Request

5.3.7.1 Field Definition

SN o.	Input parameter (s)	Type of parameter	Format	Mand atory	Table to use	Field to use	Description
1	deviceIdOrBAN	String	If input is BAN it should be same as account_t.account_no and if device_id then it should be same device_t.device_id	Yes	service_alias_list_t or device_t & device_services_t if device_id is passed. Account_t if BAN is passed	service_alias_list_t.name or device_t.device_id if device_id is passed. Account_t.account_no if BAN is passed	It can be derived from device_services_t table or service_alias_list_t table to get associated account object. It is more safe to use device_t table to avoid service transfer issues
2	TypeIdentifier	Integer	0 or 1	Yes	0 if BAN is passed 1 if Device Id is passed		

5.3.8 getProductSummaryList – SSB Response

5.3.8.1 Field Definition

SNo	Output parameter	Type of parameter	Format	Mandatory	Table to use	Field to use	Description
1	ProdName	String	Text	Yes	SSB_Products_t	Product_name	Siebel defined product name
2	DisplayName	String	Text	No	SSB_Products_t	Display_name	Front-end display name
3	CustViewable	Integer	0 or 1	Yes	SSB_Products_t	Cust_viewable	Indicates whether the product should be displayed to the user. Value is 1 for Yes and 0 for No. To be configured by the T&C team in the SSB Entitlement table
4	ProdType	String	Text	Yes	SSB_Products_t	Product_type	Type of the product like add-on or bundle product
5	MnthCharge	Decimal	Currency format – default 0.0	Yes	SSB_Products_t	Cap_Charge_amt	Mandatory configuration item for products with a type of Cap Plan. Monthly charge associated with the plan. Must be GST inclusive amount for use with IVR.
6	MnthEntitleAmt	Decimal	Currency format – default 0.0	No	SSB_Products_t	Cap_entitle_amt	Mandatory configuration item for entitlement with a type of Cap Plan. Monthly charge associated with the plan. Must be GST inclusive amount

							for use with IVR.
7	CapPl an_fla g	Integer	0 or 1	Yes	SSB_Products_t	Cap_Plan _flag	To indicate if this is product is cap product
8	GstFla g	Integer	0 or 1	Yes	SSB_Products_t	Gst_flag	To indicate if this product is GST applicable
9	Result _code	Integer			Derived – 0 for success and other than 0 for each error code		Result code is not part of the multiple results list. Only one error code should used
10	Result _mess age	String			Return message – based on Result_code		Result message is not part of the multiple results list. Only one error message should used

5.3.9   getHierarchy – Siebel Request

5.3.9.1   Schema Definition

```
<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <xsd:annotation>
        <xsd:documentation>The following elements are simple Types
</xsd:documentation>
    </xsd:annotation>
    <xsd:simpleType name="MSISDNType">
        <xsd:annotation>
            <xsd:documentation>The MSISDN stores the international unique identifier for a mobile phone
subscription. Eg. 61413XXXXXX for Australia. Not to be confused with the MSN. Eg.
0413XXXXXX</xsd:documentation>
        </xsd:annotation>
        <xsd:restriction base="xsd:string"/>
    </xsd:simpleType>
    <xsd:simpleType name="CountryCodeType">
        <xsd:restriction base="xsd:string">
            <xsd:enumeration value="AU"/>
            <xsd:enumeration value="FJ"/>
            <xsd:enumeration value="NZ"/>
        </xsd:restriction>
    </xsd:simpleType>
    <xsd:simpleType name="ChannelType">
        <xsd:restriction base="xsd:string">
            <xsd:enumeration value="Web"/>
            <xsd:enumeration value="IVR"/>
            <xsd:enumeration value="TXT"/>
            <xsd:enumeration value="Vodafone live!"/>
        </xsd:restriction>
    </xsd:simpleType>
    <xsd:simpleType name="ViewType">
        <xsd:restriction base="xsd:string">
```

```xml
                    <xsd:enumeration value="All"/>
                    <xsd:enumeration value="Partial"/>
                </xsd:restriction>
            </xsd:simpleType>
            <xsd:annotation>
                <xsd:documentation>The following elements are complexTypes
</xsd:documentation>
            </xsd:annotation>
            <xsd:element name="SiebelMessage" type="SiebelMessage"/>
            <xsd:complexType name="SiebelMessage">
                <xsd:sequence>
                    <xsd:element name="Service" type="Service"/>
                </xsd:sequence>
                <xsd:attribute name="MessageId" type="xsd:string"/>
                <xsd:attribute name="MessageType" type="xsd:string" fixed="Integration Object"/>
                <xsd:attribute name="IntObjectName" type="xsd:string" fixed="VF SS Account Hierarchy Request"/>
                <xsd:attribute name="IntObjectFormat" type="xsd:string" fixed="Siebel Hierarchical"/>
            </xsd:complexType>
            <xsd:complexType name="Service">
                <xsd:sequence>
                    <xsd:element name="MSISDN" type="MSISDNType"/>
                    <xsd:element name="BillingAccountNumber" type="xsd:string"/>
                    <xsd:element name="View" type="ViewType"/>
                    <xsd:element name="WebUser" type="xsd:string"/>
                    <xsd:element name="Channel" type="ChannelType"/>
                    <xsd:element name="CountryCode" type="CountryCodeType"/>
                </xsd:sequence>
            </xsd:complexType>
</xsd:schema>
```

5.3.10 getHierarchy – Siebel Response

5.3.10.1 Schema Definition

```xml
<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <xsd:annotation>
        <xsd:documentation>Copyright (C) 2001,2002 Siebel Systems, Inc. All rights reserved. Siebel XSD
Generation</xsd:documentation>
    </xsd:annotation>
    <xsd:annotation>
        <xsd:documentation>The following elements are simple Types</xsd:documentation>
    </xsd:annotation>
    <xsd:annotation>
        <xsd:documentation>The following elements are complexTypes</xsd:documentation>
    </xsd:annotation>
    <xsd:element name="SiebelMessage" type="SiebelMessage"/>
    <xsd:complexType name="SiebelMessage">
        <xsd:sequence>
            <xsd:element name="ListOfCustomerAccounts" type="ListOfCustomerAccounts" minOccurs="0"/>
        </xsd:sequence>
        <xsd:attribute name="MessageId" type="xsd:string"/>
        <xsd:attribute name="MessageType" type="xsd:string"/>
        <xsd:attribute name="IntObjectName" type="xsd:string"/>
        <xsd:attribute name="IntObjectFormat" type="xsd:string"/>
        <xsd:attribute name="SiebErrCode" type="xsd:string"/>
        <xsd:attribute name="BWErrCode" type="xsd:string"/>
        <xsd:attribute name="ThirdPtyErrCode" type="xsd:string"/>
        <xsd:attribute name="TransId" type="xsd:string"/>
        <xsd:attribute name="ErrMessage" type="xsd:string"/>
    </xsd:complexType>
    <xsd:complexType name="ListOfCustomerAccounts">
        <xsd:sequence>
            <xsd:element name="CustomerAccount" type="CustomerAccount" minOccurs="0"/>
        </xsd:sequence>
    </xsd:complexType>
```

```xml
<xsd:complexType name="CustomerAccount">
    <xsd:sequence>
        <xsd:element name="Id" type="xsd:string" minOccurs="0"/>
        <xsd:element name="Name" type="xsd:string" minOccurs="0"/>
        <xsd:element name="Status" type="xsd:string" minOccurs="0"/>
        <xsd:element name="Type" type="xsd:string" minOccurs="0"/>
        <xsd:element name="PIN" type="xsd:string" minOccurs="0"/>
        <xsd:element name="ListOfBillingAccounts" type="ListOfBillingAccounts" minOccurs="0"/>
    </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="ListOfBillingAccounts">
    <xsd:sequence>
        <xsd:element name="BillingAccount" type="BillingAccount" minOccurs="0" maxOccurs="unbounded"/>
    </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="BillingAccount">
    <xsd:sequence>
        <xsd:element name="Id" type="xsd:string" minOccurs="0"/>
        <xsd:element name="ParentAccountId" type="xsd:string" minOccurs="0"/>
        <xsd:element name="Number" type="xsd:string" minOccurs="0"/>
        <xsd:element name="Name" type="xsd:string" minOccurs="0"/>
        <xsd:element name="Status" type="xsd:string" minOccurs="0"/>
        <xsd:element name="PaymentMethod" type="xsd:string" minOccurs="0"/>
        <xsd:element name="PIN" type="xsd:string" minOccurs="0"/>
        <xsd:element name="ListOfInstalledAssets" type="ListOfInstalledAssets" minOccurs="0"/>
    </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="ListOfInstalledAssets">
    <xsd:sequence>
        <xsd:element name="InstalledAsset" type="InstalledAsset" minOccurs="0" maxOccurs="unbounded"/>
    </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="InstalledAsset">
    <xsd:sequence>
        <xsd:element name="Id" type="xsd:string" minOccurs="0"/>
        <xsd:element name="Status" type="xsd:string" minOccurs="0"/>
        <xsd:element name="SubscriberValueOption" type="xsd:string" minOccurs="0"/>
        <xsd:element name="PIN" type="xsd:string" minOccurs="0"/>
        <xsd:element name="ListOfInstalledAsset_MSISDN" type="ListOfInstalledAsset_MSISDN" minOccurs="0"/>
    </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="ListOfInstalledAsset_MSISDN">
    <xsd:sequence>
        <xsd:element name="InstalledAsset_MSISDN" type="InstalledAsset_MSISDN" minOccurs="0" maxOccurs="unbounded"/>
    </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="InstalledAsset_MSISDN">
    <xsd:sequence>
        <xsd:element name="MSISDN" type="xsd:string" minOccurs="0"/>
    </xsd:sequence>
</xsd:complexType>
</xsd:schema>
```

5.4   Technical Mapping

Mapping Sheet for getPostpayAccountSummary is attached below.

Data Overage Mapping Spreadsheet

AggregatedAlertsMappingSheet.xlsx

5.5 Associated Complex Types

5.5.1 PartyIdentificationType

Component	Type	Occurs	Description
SEQUENCE		1..1	
PIN	PINType	0..1	The PIN for the party
serviceNumber	ServiceNumberType	0..1	The identifier of the party which is a service number
billingAccount	EntityIdentificationType	0..1	The identifier of the party which is the party's billing account number
customerAccount	EntityIdentificationType	0..1	The indentiifier of the party which is the party's customer account number
subscriptionAccount	EntityIdentificationType	0..1	The indentiifier of the party which is the party's customer service number
verifiedIndicator	boolean	0..1	Flag to indicate if the party has been verified for e.g. authenticated

5.5.2 PINType

Component	Type	Occurs	Description
SEQUENCE		1..1	
Number	normalizedString	1..1	The PIN number
verifiedIndicator	boolean	0..1	Flag to indicate if the PIN has been verified

5.5.3 EntityIdentificationType

Component	Type	Occurs	Description
SEQUENCE		1..1	
Number	String	0..1	Business friendly identifier
externalIdentifier	ExternalIdentifierType	0..*	The unique identifier for this entity in an external system.
corelationIdentifier	String	0..1	Technical attribute used internally within Fusion for co-relation purpose. This attribute is private to Fusion and must not be used by any other system.
businessComponentID	BusinessIdentifierType	0..*	Unique Key for the application agnostic representation of the objectinstance. Business Documents generated by Fusion applications will have the BusinessComponentID necessarily populated. The BusinessComponentID will be generated using the API provided by Fusion Infrastructure

5.5.4 ExternalIdentifierType

The external identifier type exposes an attribute as follows

Name	Type	Required?	Default	Description
System	string	No		The system this identifier relates to.

5.5.5 ServiceNumberType

Component	Type	Occurs	Description
SEQUENCE			
CHOICE			
MSISDN	String	1..1	MSISDN
MSN	String	1..1	MSN
fixedNumber	String	1..1	Fixed line number

5.5.6 AccountInfoType

Component	Type	Occurs	Description
SEQUENCE		1..1	
customerAccountType	string	1..1	The type of Account such as Person, Corporate, Foreign Registered Company, Local Registered Company, Government, Partnership, NZ Trust, FMC
paymentMethod	PaymentMethodType	1..1	Indicates whether this account is Prepay, Postpay on Non-Paying
isComplexIndicator	boolean	1..1	Denotes that the account is either a multi-MSISDN account, or an account that participates in a billing hierarchy with more than one billing account.
payingBillingAccountNumber	string	1..1	Provides the account number for the paying billing account. Note this is a the account number that appears on the invoice
parentBillingAccountNumber	string	0..1	Provides the account number for the parent billing account to the MSISDN. This may or may not be the same as the paying billing account.
installedAssetStatus	InstalledAssetStatusType	0..1	Status of the MSISDN, if passed.
billingAccountStatus	string	1..1	Whether the billing account is active or inactive. Valid values are: • Active • Inactive • Open • Overdue
billingAccountName	string	1..1	The name of the billing account
billCycleDOM	integer	0..1	The billing DOM for the account.
numberOfLiveConnections	nonnegativeinteger	1..1	The number of active devices (e.g. MSISDNs) under the account.

5.5.7 SubscriptionBalancesType

Component	Type	Occurs	Description
SEQUENCE			
CHOICE			
MSISDN	AustralianMSISDNType	1..1	MSISDN
billingAccountNumber	String	0..1	The Billing Account which is a parent of the Subscriptions
subscriptionContactName	String	0..1	The contact name against the Subscription

Component	Type	Occurs	Description
unbilledUsage	ServiceUsageType	0..1	It is the rated dollar amount which has been spent on top of the normal forward cycle charge
unbilledBalance	CurrencyAmountTyp e	0..1	It is the amount due on the pending Bill for the MSISDN

5.5.8   AccountBalancesType

Component	Type	Occurs	Description
⸆SEQUENCE			
CHOICE			
billingAccountNumber	String	1..1	The billing account number of the paying billing account
totalUnbilledUsage	ServiceUsageType	1..*	The rated dollar amount which has been spent on top of the normal forward cycle charge
totalUnbilledBalance	CurrencyAmountTyp e	1..1	The total amount due on the pending Bill
totalDueAmount	Decimal	1..1	For balance forward accounts do the same as the last invoice amount owing. For other accounts, adds up across the invoices
totalOverdueAmount	Decimal	1..1	The sum of the amount owing of all invoices which are past their due dates
overallBalance	CurrencyAmountTyp e	1..1	Total amount owing run at a point in time
totalUnappliedAmount	decimal	1..1	Amounts which have been paid to the billing account but have not been allocated to an invoice
totalDisputedAmount	decimal	1..1	The total amount which is currently under dispute

5.5.9   InvoiceSummaryType

Component	Type	Occurs	Description
⸆SEQUENCE			
CHOICE			
billingAccountNumber	String	1..1	Billing Account Number for the invoice
billingAddress	AddressType	0..1	Billing address for the invoice
invoiceNumber	EntityIdentificationTy pe	1..1	A unique identifier for the invoice
invoiceType	String	0..1	The type of invoice
invoiceStatus	String	0..1	The status of the invoice
invoiceDate	Date	1..1	The date that the invoice was issued
dueDate	Date	1..1	The date that the invoiced amount is due

Component	Type	Occurs	Description
invoicedAmountOwing	CurrencyAmountType	0..1	The due left owing on this invoice
totalPayments	CurrencyAmountType	0..1	The total of all payments made against this invoice
invoiceAmount	CurrencyAmountType	1..1	The amount invoiced for usage for the month
totalDisputedAmount	CurrencyAmountType	0..1	The amount which is currently under dispute for this invoice
totalDiscounts	CurrencyAmountType	0..1	The Total Discounts which have been applied as part of this invoice
adjustedAmount	CurrencyAmountType	0..1	Adjusted amount for the invoice
writtenOffAmount	CurrencyAmountType	0..1	The written off amount against this invoice
balanceForwardIndicator	boolean	0..1	Indicates that this is a balance forward account and hence the balance (EG: overdue amount) will be reflected in the invoicedAmount

5.5.10 EntitlementType

Component	Type	Occurs	Description
SEQUENCE			
CHOICE			
levelIdentifier	PartyIdentificationType	0..1	Account identifier i.e. either a MSISDN or a BAN
productDescription	string	1..1	Description of the Product which supplied the entitlement
entitlementType	string	1..1	Entitlement Type eg. SMS, VF
unlimitedIndicator	boolean	0..1	If true indicates that the entitlement is unlimited
displayName	string	0..1	The display name of the entitlement
sharedIndicator	boolean	0..1	Indicates whether the entitlement is shared between multiple subscriptions
Period	TimePeriodType	0..1	The period over which the entitlement applies
remainingDays	int	0..1	The number of days remaining until the entitlement expires
unitType	string	0..1	Units of the Entitlement eg: Minutes, KB
baseUnits	EntitlementUnitValueType	0..1	Values for limited entitlements
Status	string	0..1	The status of the balance Entitlements

Component	Type	Occurs	Description
includingGST	EntitlementUnitValueType	0..1	GST inclusive values for limited monetary entitlements
adjustmentIndicator	boolean	0..1	The entitlement is an adjustment
discountCalculationType	string	0..1	Rating or Billing
customerViewableIndicator	boolean	0..1	Indicates if the Entitlement should be displayed to the user
resourceID	string	0..1	BRM resource identifier to identify the entitlement
Entitlement	EntitlementType	0..1	The entitlements associated with the loyalty account

5.5.11   ProductSummaryType

Component	Type	Occurs	Description
SEQUENCE			
productID	ProductIdentificationType	1..1	This is a unique identifier for the product
productName	String	0..1	A name for the product
displayName	String	0..1	A customer friendly name for the product
description	String	0..1	Description of the product
customerViewableIndicator	boolean	1..1	Indicates that the product is viewable by the customer
productType	String	0..1	The type of product
status	String	0..1	The status of product
subscribedIndicator	boolean	0..1	Indicates if the customer has subscribed to this product
productLevel	PartyIdentificationType	0..1	The level at which the product sits
GSTApplicableIndicator	boolean	0..1	Indicates if the product is GST applicable
feesAndCharges	complextype	0..1	Terminating fees and charges for the product
SEQUENCE			
fee	CurrencyAmountType	0..1	Capture the termination fee and charges for the product
channelsAvailable	complextype	0..1	The list of channels that this product available
SEQUENCE			
channel	String	0..1	Capture the available channel for the product
productDetails	complextype	0..1	Details of the product which depend on the product type
planDetails	complextype	0..1	Product details which are specific to Plan products
SEQUENCE			
planValue	CurrencyAmountType	0..1	The dollar value recurring charge for the plan

Component	Type	Occurs	Description
capValue	CurrencyAmountType	0..1	The cap value of the plan
capPlanIndicator	boolean	0..1	Indicates if this plan is a Cap Plan
productAttributes	complextype	0..1	Attributes of the product
⬚ SEQUENCE			
attribute	AttributeType	0..1	Name value pair of the Product

1.1.2 CurrencyAmountType

Component	Type	Occurs	Description
⬚ SEQUENCE			
inclusiveOfGST	decimal	0..1	The amount inclusive of GST
exclusiveOfGST	decimal	0..1	The amount exclusive of GST
GST	decimal	0..1	The amount of GST
Attribute			
currencyCode	String	0..1	Attribute of CurrencyAmountType
currencyCode	String	0..1	Attribute of CurrencyAmountType

1.1.3 EntitlementUnitValueType

Component	Type	Occurs	Description
⬚ SEQUENCE			
totalUnits	decimal	0..1	Original amount of the entitlement in units
usedUnits	decimal	0..1	Amount of the entitlement that has been used
remainingUnits	decimal	0..1	Amount of the entitlement in units which hasn't been used

5.5.12 EntityIdentificationType

Component	Type	Occurs	Description
⬚ SEQUENCE			
number	string	0..1	Business friendly identifier
externalIdentifier	ExternalIdentifierType	0..*	The unique identifier for this entity in an external system
correlationIdentifier	string	0..1	Technical attributes used internally within Fusion for co-relation purpose
businessComponentID	BusinessIdentifierType	0..*	Unique Key for the application diagnostic representation of the object instance
category	string	0..1	The category of the Identifier

5.5.13 AddressType

Component	Type	Occurs	Description
SEQUENCE			
deliveryPointCode	normalizedString	0..1	Unique identifier of address, for Australian Postal address this will be the DPID
validationStatus	string	0..1	The status of the address. Valid values are 1) Valid 2) Invalid 3) Not Validated
Type	string	0..1	The type of address being used
attentionOf	string	0..1	The name, expressed as text, of a person or department in the organization
lineOne	string	0..1	The first free form line, expressed as text, of an address, used for overseas address
lineTwo	string	0..1	The first second form line, expressed as text, of an address, used for overseas address
floorType	string	0..1	The floor type
Floor	string	0..1	The floor number
buildingType	string	0..1	A building type
Building	string	0..1	A building name or number
POBox	string	0..1	The PO Box number
privateBag	string	0..1	The private bag number
privateBagName	string	0..1	The name of the private bag holder
streetNumber	string	0..1	The street number
streetName	string	0..1	The name of the street
streetType	string	0..1	A street type
cityName	string	0..1	The name, expressed as text, of the city
stateName	string	0..1	Name of the state where the city is.
countryName	string	0..1	The name of the country
postalCode	string	0..1	A code specifying the postalcode of the address
ruralDeliveryNumber	string	0..1	Capture the rural delivery number
districtName	string	0..1	Mapped for overseas address and contains the city name

5.5.14 ServiceUsageType

Component	Type	Occurs	Description
SEQUENCE			
serviceType	string	0..1	Service Type eg: SMS, MMS
usageType	string	0..1	Usage Type eg: HOME, OUTROAM

Component	Type	Occurs	Description
unbilledUsages	CurrencyAmountType	0..1	The rated dollar amount which has been spent on top of the normal forward cycle charge i.e. would include the overflow of the cap plus entitlements like premium SMS which are not part of the cap