

Charging Provisioning over CAI3G

Ericsson Dynamic Activation 1

SYSTEM INTERFACE

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1 Introduction

This section contains information about the prerequisites, purpose, scope, and target group for the document. This section also contains information about typographic conventions used in this document.

1.1 Purpose and Scope

This document describes the supported methods for Changing System. This document also declares the types and occurrences of the attributes used in the operations.

Note: This document is not a tutorial of CAI3G, it must be used together with document *Generic CAI3G Interface 1.2*, Reference [2], and *CAI3G Implementation*, Reference [3].

For more information about Charging System , refer to *Solution Description Charging and CBiO*, Reference [5].

1.2 Target Groups

The target group for this document is as follows:

- System Integrator

For more information about the different target groups, see *Library Overview*, Reference [1].

1.3 Typographic Conventions

Typographic conventions are described in the document *Library Overview*, Reference [1].

1.4 Prerequisites

To use this document fully, users must meet the following prerequisites:

- Basic knowledge about the Ericsson™ Dynamic Activation (EDA) product
- Basic knowledge about the IMS solution
- Knowledge about *Generic CAI3G Interface 1.2*, Reference [2]

1.5 Namespaces

The following namespaces are referred to in this document:

- CAI3G 1.2 namespace:

`http://schemas.ericsson.com/cai3g1.2/`

- Provisioning namespaces:

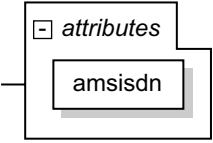
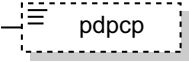
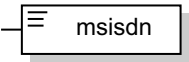
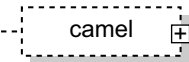
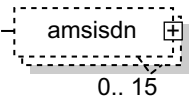
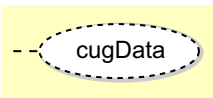
`http://schemas.ericsson.com/ma/CS/AIR/`

`http://schemas.ericsson.com/ma/CS/AF/`

1.6 Legends

The following table shows the legends used in Extensible Markup Language (XML) schema figures in this specification.

Table 1 Legends Used in XML Schema Figures in This Specification

Legend	Description
	XML attribute
	Optional XML element
	Mandatory XML element
	Structured element
	Subobject element The occurrence of this element is 0–15
	User-defined type This is not a standard XML schema type. It is introduced to describe Managed Object (MO) schema structure more clearly. In practice, this type is to be replaced by the corresponding elements.



1.7 Operations

1.7.1 AIR Service

One Managed Object (MO) with four operations are described in this document. See the following table for the commands and valid operations for AIR service:

Table 2 AIR Provisioning MOs

MO	Operation			
	Create	Get	Set	Delete
Subscription	x	x	x	x
Offer		x	x	x
CommunicationID			x	
Refill			x	
Accumulators		x	x	x
Capabilities		x		
PredefinedOffer		x	x	x
RunPeriodicAccountManagement			x	

1.7.2 AF Service

One Managed Object (MO) with four operations are described in this document. See the following table for the commands and valid operations for AF service:

Table 3 AF Provisioning MOs

MO	Operation			
	Create	Get	Set	Delete
Subscription	x	x	x	x
Identifier	x	x	x	x

1.8 Web Service Interface

The Web Services Definition Language (WSDL) and XML Schema Definition Language (XSD) files that describe the provisioning interface can be retrieved by following below instruction:

1. Save the zip file, [Multi Activation WSDL and XSD files.zip](#), to a local folder.
2. Extract the zip file.
3. Check the `InterfacesPGNGN` directory for PG NGN-related interfaces.



1.9 MType

MType is a plain text string based on the type `xs:string`. An MType consists of two parts. One is the namespace of the MO, and the other is the MO name string that is always starting with an alphabetical character in either upper or lower case, followed by zero or more alphabetical characters, digits or underscores.

Those two parts are connected with symbol `@`. The syntax of the MType string is `MO_Name@MO_Namespace`. The name string of an MType must follow the regular expression: `[A-Za-z][A-Za-z0-9]*`

The MO name together with the MO namespace must be globally unique.

1.10 MOld

MOld is an XML fragment containing the MOld parameter-value pairs that are used to identify an MO instance in the interface data model. CAI3G 1.2 standard supports compound MO identifiers or multiple MO identifier. The following is an example of an MOld:

```
<MOld>
  <msisdn>46455395000</msisdn>
  <imsi>46234563545000</imsi>
</MOld>
```

Example 1 Example of MOld

The MOld is defined as a sequence of `xs:any` element in CAI3G schema file. It is the developers responsibility to define the real schema for this parameter.

The MOld is also the key attributes that must be defined in the top-level element, `CreateMODefinition` or `SetMODefinition`, within `MOAttributes` parameter.

Each implementation of CAI3G interface is to define own logic relationship of MOld. It is also the CAI3GAgents responsibility to interpret this parameter correctly by either the hard-coded logic or the dynamic parsing of the schema.



2 Create AIR Subscription

This section covers the AIR command `createSubscription`.

MOType

Subscription@http://schemas.ericsson.com/ma/CS/AIR/

2.1 Request Data

2.1.1 Parameters

MOId

Table 4 Create Subscription MOId

Parameter	Type	Occurrence	Description
subscriberNumber	String, 1 - 28 digits	Mandatory	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by subscriberNumberNAI parameter.

MOAttributes

Table 5 covers the parameters that can be used in a `createSubscription` request.



Table 5 Create Subscription Parameters

Parameter	Type	Occurrence	Description
originNodeType	String Enumeration value="EXT" Enumeration value="AIR" Enumeration value="ADM" Enumeration value="UGW" Enumeration value="IVR" Enumeration value="OGW" Enumeration value="SDP"	Optional (0-1)	<p>The parameter contains the origin node type that is set by AIR or provided by an external network element. It contains the type of the logical node from where the operation originated. External network elements are not allowed to use the reserved names on network element types, (except EXT).</p> <p>Network Element Type:</p> <p>EXT:External system</p> <p>AIR:Account information and refill</p> <p>ADM:Administrative system</p> <p>UGW: USSD gateway</p> <p>IVR :Interactive voice response system</p> <p>OGW: On-line gateway</p> <p>SDP: Service data point</p> <p>If this parameter is absent from the request, Dynamic Activation will generate "ADM" as the parameter to NEs.</p>
originHostName	String, 1 - 255 characters	Optional (0-1)	<p>The identifier string for the host where the operation originated from. The host name shall be unique within the network for a given network element type.</p> <p>If this parameter is absent from the request, Dynamic Activation will generate a node name, which the character "-" replaced by "_" as the parameter to NEs.</p>
originTransactionID	String, 0 - 9999 9999 9999 9999 9999 digits Each digit is 0-9	Optional (0-1)	<p>The Unique identifier for the transaction, generated by the system it was initiated from.</p> <p>The value in this parameter must be unique per operation and can be a sequence number. An operation in this case is for example a refill.</p> <p>If this parameter is absent from the request, Dynamic Activation will generate System time (in milliseconds) plus seven random digital numbers as the parameter to NEs.</p>
originTimeStamp	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	<p>The date and time of sending the request by the entity that initiated the operation.</p> <p>If this parameter is absent from the request, Dynamic Activation will generate PGN system time plus the default "+0100" or the configured <code>ChargingTimeZone</code> value in Activation Logic as the parameter to NEs. Refer to <i>User Guide for Resource Activation</i>, Reference [4] for details of Activation Logic</p>



Parameter	Type	Occurrence	Description
subscriberNumberNAI	Integer, 0 - 2 0 = National number (with prefix) 1 = International number 2 = National significant number (without prefix)	Mandatory	The Nature of Address Indicator identifies the format of the subscriberNumber parameter.
subscriberNumber	String, 1 - 28 digits	Mandatory	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by subscriberNumberNAI parameter.
originOperatorID	String, 1 - 255 characters	Optional (0-1)	The identity of the system user or the session from where the operation was initiated. It might be used for security management or logging purposes for an example. If this parameter is absent from the request, Dynamic Activation will generate PGN system time plus the default "+0100" or the configured ChargingTimeZone value in Activation Logic as the parameter to NEs. Refer to <i>User Guide for Resource Activation</i> , Reference [4] for details of Activation Logic
serviceClassNew	Integer, 0 - 9999	Optional (0-1)	New service class for the refill.
temporaryBlockedFlag	Boolean {0, 1} 0 (false) = Default value. Unblocked 1 (true) = Temporary blocked	Optional (0-1)	Indicate whether the subscriber and operator has access to subscriber and account data. A temporary blocked subscriber does not have access to the account, and any messages requesting changes in the account or subscriber data are rejected. Therefore in case temporary blocked is set, a temporary blocked indication is set in the response code of the response message and the action is rejected. It is always possible to read data, but the only way to change data again is to unblock the subscriber.
languageIDNew	Integer, 1 - 4 1 = Operator specific language 1 2 = Operator specific language 2 3 = Operator specific language 3 4 = Operator specific language 4	Optional (0-1)	The new preferred language of the subscriber.



Parameter	Type	Occurrence	Description
ussdEndOfCallNotificationID	Integer, 0 - 255 0–199 = As defined in the tariff trees 200–254 = Reserved 255 = No ID assigned (clears previously assigned ID)	Optional (0-1)	This parameter identifies which decision tree to use, when selecting the appropriate USSD text string for the End of Call Notification message to the subscriber.
accountGroupID	Integer, 0 – 2147483647	Optional (0-1)	The Account Group identity for the account. 0 indicate clearing of account group (when set to 0 the account does not belong to any account group).
serviceOfferings	Sub-MO	Optional (0-n)	The values of the service offerings defined on an account.
serviceOfferingID	Integer, 1 - 31	Mandatory	The identity of a current service offering defined on an account.
serviceOfferingActiveFlag	Boolean {0, 1} 0 (false) = The service offering is not active. 1 (true) = The service offering is active.	Mandatory	Indicates whether a specific service offering pointed out by the serviceOfferingID parameter is active or not.
serviceOfferingsValue		Optional (0-1)	The value of service offerings
promotionPlanID	String, 1 - 4 characters	Mandatory	The identity of one of the current promotion plans of a subscriber.
promotionStartDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Mandatory	Start date of the associated promotion plan.
promotionEndDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Mandatory	End date of the associated promotion plan.
accountHomeRegion	Integer, 0 - 999	Optional (0-1)	The home region for the account. Zero means no home region set.
periodicAccountManagementData	Sub-MO	Optional (0-n)	Periodic account management data for a subscriber.
pamServiceID	Integer, 0 - 99	Mandatory	The id of the periodic account management service.
pamClassID	Integer, 0 - 9999	Mandatory	The periodic account management class used by the periodic account management service.
scheduleID	Integer, 0 - 9999	Mandatory	The schedule that is used by the periodic account management service.



Parameter	Type	Occurrence	Description
currentPamPeriod	String, 1 - 30 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash).	Optional (0-1)	periodic account management period that is currently used for the subscriber.
deferredToDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The deferred to date for the Periodic Account Management service.
pamServicePriority	Integer, 0 - 65535	Optional (0-1)	Indicate the priority between PAM services at PAM evaluation. Lower value gives higher priority.
transactionCurrency	String, Currency	Optional (0-1)	The ID to point out what currency is used for the transaction. For example, SEK, EUR, USD, etc.
accountPrepaidEmptyLimit	String, -999 999 999 999 to 999 999 999 999 price	Optional (0-1)	This parameter is used to set a lowest allowed balance on an account.
masterAccountNumber	String, 1 - 28 digits	Optional (0-1)	The subscriber identity of the master subscriber in a multi user account. The format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeros.
negotiatedCapabilities	Integer, 0 - 2147483647	Optional (0-n)	Indicate the negotiated capabilities between the client and server node. The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active.
offerUpdateInformation	Sub-MO	Optional (0-n)	Offer update information for a subscriber.
offerID	Integer, 0 - 2147483647	Mandatory	The identity of an offer.
dateInformation	Sub-MO	Optional (0-1)	The date information of a request
startDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used. Element Value Range: DateMin to DateMax or DateBeginningOfTime.
startDateRelative	Integer, -999 to -1 and 1 to 999	Optional (0-1)	This parameter is used to make a relative adjustment to the current start date. The adjustment can be positive or negative. It is expressed in number of days.
startPamPeriod	Sub-MO	Mandatory	The Periodic Account Management period



Parameter			Type	Occurrence	Description
		startPamPeriodIndicator	Integer, 0 - 99	Mandatory	<p>The Periodic Account Management period when the offer and DA becomes valid. If the offer has the capability of date and time, the time stamp is set to 00:00:00 by default.</p> <p>Update of the PAM period indicator on an existing offer will keep the current time stamp unchanged. Time stamp can however be changed by including currentTimeOffset.</p> <p>Zero means the start date of an offer or a DA is the current date.</p>
		currentTimeOffset	Boolean {0,1} 0 (false) = Time stamp will not be set (default value apply if applicable). 1 (true) = Time stamp will be set to the current system time.	Optional (0-1)	Indicates whether the default time or current time can be used in time stamp.
		expiryDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The expiry date for a dedicated account. Element Value Range: DateMin to DateMax or DateInfinite
		expiryDateRelative	Integer, -999 to -1 and 1 to 999	Optional (0-1)	This parameter is used to make a relative adjustment to an expiry date. The adjustment can be positive or negative. It is expressed in number of days.
		expiryPamPeriodIndicator	Integer, 1- 100 and 2147483647 2147483647 = no expiry.	Optional (0-1)	The Periodic Account Management period when the offer or DA becomes invalid. When the offer has the capability of storing date and time, the time stamp will be set to 00:00:00 or 23:59:59 depending on system configuration.
		dateTimeInformation	Sub-MO	Optional (0-1)	The date and time information
		startDateTime	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The start date and time for an offer. Element Value Range: DateMin to DateMax or DateBeginningOfTime
		startDateTimeRelative	Integer, -99 999 999 to 99 999 999	Optional (0-1)	This parameter is used to make a relative adjustment to the current start date and time for an offer. The adjustment can be positive or negative. It is expressed in number of seconds. The parameter may also be used to define start date and time for other entities depending on the context where it is used.



Parameter		Type	Occurrence	Description
	expiryDateTime	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The expiry date and time. Element Value Range: DateMin to DateMax or DateInfinite
	expiryDateTimeRelative	Integer, -99 999 999 to 99 999 999	Optional (0-1)	This parameter is used to make a relative adjustment to the current expiry date and time. The adjustment can be positive or negative. It is expressed in number of seconds. The parameter may also be used to define expiry date and time for other entities depending on the context where it is used.
	pamServiceID	Integer, 0 - 99	Optional (0-1)	The id of the periodic account management service.
	offerType	Integer, 0 - 7	Optional (0-1)	Identifies the offer type.
	dedicatedAccountUpdateInformation	Sub-MO	Optional (0-n)	The information for updating balances and expiry date for dedicated accounts.
	dedicatedAccountID	Integer, 1 - 2147483647	Mandatory	The identity of the dedicated account to distinguish between the various dedicated accounts in an array of dedicated accounts.
	productID	Integer, 0 - 2147483647	Optional (0-1)	The identity of a product. Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.
	dedicatedAccountPamPeriodInformation	Sub-MO	Optional (0-1)	
	productID	Integer, 0 - 2147483647	Optional (0-1)	The identity of a product. Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.
	adjustmentAmountRelative	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 Unit	Optional (0-1)	The amount of the adjustment (positive or negative) to be applied to the account.
	dedicatedAccountValueNew	String, 0 -92233720368 54775807 Unit	Optional (0-1)	Value to assign to a dedicated account. This is not taking in consideration any ongoing chargeable events.
	adjustmentDateRelative	Integer, -32767 to -1 and 1 to 32767	Optional (0-1)	This parameter is used to make a relative adjustment to the current expiry date. The adjustment can be positive or negative. It is expressed in number of days.



Parameter			Type	Occurrence	Description
		expiryDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11- 24T23:59:59+08:00	Optional (0-1)	The expiry date for a dedicated account. Element Value Range: DateMin to DateMax or DateInfinite
		expiryPamPeriodIndicator	Integer, 1- 100 and 2147483647 2147483647 = no expiry.	Optional (0-1)	The Periodic Account Management period when the offer or DA becomes invalid. When the offer has the capability of storing date and time, the time stamp will be set to 00:00:00 or 23:59:59 depending on system configuration.
		startDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11- 24T23:59:59+08:00	Optional (0-1)	The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used. Element Value Range: DateMin to DateMax or DateBeginningOfTime.
		adjustmentStartDateRelative	Integer, -999 to -1 and 1 to 999	Optional (0-1)	This parameter is used to make a relative adjustment to the current start date. The adjustment can be positive or negative. It is expressed in number of days.
		startPamPeriodIndicator	Integer, 0 - 99	Optional (0-1)	The startPamPeriodIndicator parameter indicates the Periodic Account Management period when the offer and DA becomes valid. If the offer has the capability of date and time, the time stamp will default to 00:00:00. Update of the PAM period indicator on an existing offer will keep the current time stamp unchanged. Time stamp can however be changed by including currentTimeOffset. Zero means that the start date of an offer or a DA is the current date.
		dedicatedAccountUnitType	Integer, 0 - 6 0 = The account contains time. 1 = The account contains money. 2 - 4 = The account contains total octets (Not used, reserved for future use). 5 = The account contains service specific units. 6 = The account contains volume.	Optional (0-1)	The unit of the dedicated account values and is mandatory if the function "multi unit" is active, in other case it is optional.



Parameter		Type	Occurrence	Description
	expiryDateCurrent	DateTime.iso8601: YYYY-MM-DDThh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The current expiry date for a dedicated account. Element Value Range: DateMin to DateMax or DateInfinite
	startDateCurrent	DateTime.iso8601: YYYY-MM-DDThh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The current start date for a dedicated account. Used for validation. No validation is performed if omitted. Element Value Range: DateMin to DateMax or DateBeginningOfTime
	pamServiceID	Integer, 0 - 99	Optional (0-1)	The id of the periodic account management service.
	updateAction	String Enumeration value="EXPIRE"	Optional (0-1)	Indicates which action to take on the resource. EXPIRE = Expire the resource immediately.
	updateAction	String Enumeration value="EXPIRE"	Optional (0-1)	Indicates which action to take on the resource. EXPIRE = Expire the resource immediately.
	productID	Integer, 0 - 2147483647	Optional (0-1)	The identity of a product. Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.
	attributeUpdateInformation	Sub-MO	Optional (0-n)	Update information of the attribute
	attributeName	String, 1 - 128 characters	Mandatory	The name of the attribute.
	attributeUpdateAction	String Enumeration value="ADD" Enumeration value="DELETE" Enumeration value="CLEAR" Enumeration value="SET"	Mandatory	The requested action for an attribute. ADD: Add an entry to the set (for attributes storing a set of values). DELETE: Delete an entry from the set (for attributes storing a set of values). CLEAR: Clear all entries from the set (for attributes storing a set of values) or removes the value for a single value attribute. SET: Sets the value for a single value attribute. Previous value, if existing, will be overwritten.



Parameter		Type	Occurrence	Description
	attributeValueString	String, 1 - 128 extended characters Extended characters which allows all US-ASCII values from 32 to 126 (hexadecimal 0x20 to 0x7e).	Optional (0-1)	The string value of an attribute.
	attributeValueDate	DateTime.iso8601: YYYY-MM-DDThh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date value of an attribute. DateMin to DateMax or DateInfinite
	attributeValueDecimal	Sub-MO	Optional (0-1)	Information about a decimal value.
	attributeValueNumber	String, -999 999 999 999 999 to 999 999 999 999 999 SignedNumeric	Mandatory	The parameter contains up to 15 significant digits that together with the numberOfDecimals parameter forms a decimal number. There is no decimal sign included in this parameter.
	numberOfDecimals	Integer, 0 - 15	Mandatory	The parameter forms together with attributeValueNumber a decimal number. The parameter contains information about where to put the decimal sign counted in positions from the right.
	attributeValueInteger	Integer, -2147483648 to 2147483648	Optional (0-1)	The integer value of an attribute.

2.2 Response Data

2.2.1 Parameters

MOld

Table 6 Create Subscription Parameters

Parameter	Type	Occurrence	Description
subscriberNumber	String, 1 - 28 digits	Mandatory	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by subscriberNumberNAI parameter.



MOAttributes

Table 7 covers the parameters that can be used in a `createSubscription` response.

Table 7 Create Subscription Parameters

Parameter	Type	Occurrence	Description
subscriberNumber	String, 1 - 28 digits	Mandatory	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by subscriberNumberNAI parameter.
originTransactionID	String, 0 - 9999 9999 9999 9999 9999 digits	Optional (0-1)	Reference to a single operation, generated by the system it was initiated from. The value in this parameter must be unique per operation and can be a sequence number. For example, an operation in this case is a refill.
originOperatorID	String, 1 - 255 characters	Optional (0-1)	The identity of the system user or the session from where the operation was initiated. It might be used for security management or logging purposes for an example.
periodicAccountManagementData	Sub-MO	Optional (0-n)	Information used for periodic account management.
pamServiceID	Integer, 0 - 99	Optional (0-1)	The id of the periodic account management service.
currentPamPeriod	String, 1 - 33 characters Characters are a-z, A-Z, 0-9, - (hyphen) and / (slash).	Optional (0-1)	The periodic account management period that is currently used for the subscriber.
lastEvaluationDate	DateTime .iso8601: YYYY-MM-DDThh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	Date of the last periodic account management evaluation. Element Value Range: DateMin to DateMax



Parameter	Type	Occurrence	Description
negotiatedCapabilities	Integer: array of <int> or <i4> 0 - 2147483647	Optional (0-n)	Indicates the negotiated capabilities between the client and server node. The capabilities are presented as a series of elements, where each element contains an integer value between 0 and 2147483647. The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active.
availableServerCapabilities	Integer, 0 - 2147483647	Optional (0-n)	Indicate the available capabilities at the server node. The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active. If only one element is present and is set to 0, no functions after release AIR-IP 5.0 are active, only legacy functionality can be used.

2.3 Examples

2.3.1 Example of Creating a Master Subscriber

This section gives an example of the `createSubscription` request and response message. This example shows how to create a Master subscriber

Request Example



```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
  xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SessionId>${Properties#sessionId}</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Create>
      <cai3:MOTType>Subscription@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOTType>
      <cai3:MOId>
        <air:subscriberNumber>55897214</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:createSubscription subscriberNumber="55897214">
          <air:originNodeType>ADM</air:originNodeType>
          <air:originHostName>emasac</air:originHostName>
          <air:originTransactionID>20120304171831</air:originTransactionID>
          <air:originTimeStamp>2005-04-22T14:15:21-06:00</air:originTimeStamp>
          <air:subscriberNumber>55897214</air:subscriberNumber>
          <air:originOperatorID>operator33</air:originOperatorID>
          <air:serviceClassNew>5001</air:serviceClassNew>
          <air:negotiatedCapabilities>809988676</air:negotiatedCapabilities>
          <air:negotiatedCapabilities>256</air:negotiatedCapabilities>
          <air:offerUpdateInformation>
            <air:offerID>513</air:offerID>
            <air:dateInformation>
              <air:startDateRelative>111</air:startDateRelative>
              <air:expiryDateRelative>111</air:expiryDateRelative>
            </air:dateInformation>
            <air:updateAction>EXPIRE</air:updateAction>
          </air:offerUpdateInformation>
        </air:createSubscription>
      </cai3:MOAttributes>
    </cai3:Create>
  </soapenv:Body>
</soapenv:Envelope>
```

Example 2 Create Subscription Request Message

Response Example

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3g="http://schemas.ericsson.com/cai3g1.2/">
  <S:Header>
    <cai3g:SessionId>037c43b769fa4dce9d5fa5d74e651abd</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <CreateResponse xmlns="http://schemas.ericsson.com/cai3g1.2/">
      <MOId>
        <air:subscriberNumber xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/"
  xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
  xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">55897214</air:subscriberNumber>
      </MOId>
      <MOAttributes>
        <air:createSubscriptionResponse xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/"
  xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
  xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
          <air:subscriberNumber>55897214</air:subscriberNumber>
          <air:originTransactionID>20120304171831</air:originTransactionID>
          <air:originOperatorID>operator33</air:originOperatorID>
          <air:negotiatedCapabilities>809988676</air:negotiatedCapabilities>
          <air:negotiatedCapabilities>256</air:negotiatedCapabilities>
          <air:availableServerCapabilities>809988676</air:availableServerCapabilities>
          <air:availableServerCapabilities>16296</air:availableServerCapabilities>
        </air:createSubscriptionResponse>
      </MOAttributes>
    </CreateResponse>
  </S:Body>
</S:Envelope>
```

Example 3 Create Subscription Response Message



2.3.2 Example of Creating a Subordinate Subscriber

This section gives an example of the `createSubscription` request and response message. This example shows how to create a subordinate subscriber

Request Example

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3="http://schemas.ericsson.com/cai3gl.2/"
xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SessionId>f1c5d6e5bc044a908622e02c565a3a9b</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Create>
      <cai3:MOType>Subscription@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000001</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:createSubscription subscriberNumber="465273152000001">
          <air:subscriberNumberNAI>1</air:subscriberNumberNAI>
          <air:subscriberNumber>465273152000001</air:subscriberNumber>
          <air:serviceClassNew>111</air:serviceClassNew>
        </air:createSubscription>
      </cai3:MOAttributes>
    </cai3:Create>
  </soapenv:Body>
</soapenv:Envelope>
```

Example 4 Create Subscription Request Message

Response Example

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3g="http://schemas.ericsson.com/cai3gl.2/">
  <S:Header>
    <cai3g:SessionId>f1c5d6e5bc044a908622e02c565a3a9b</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <CreateResponse xmlns="http://schemas.ericsson.com/cai3gl.2/">
      <MOId>
        <air:subscriberNumber xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/"
xmlns:cai3="http://schemas.ericsson.com/cai3gl.2/"
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">465273152000001
        </air:subscriberNumber>
      </MOId>
      <MOAttributes>
        <air:createSubscriptionResponse xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
          <air:subscriberNumber>465273152000001</air:subscriberNumber>
          <air:originTransactionID>14411764631589415223</air:originTransactionID>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
          <air:availableServerCapabilities>536879616</air:availableServerCapabilities>
        </air:createSubscriptionResponse>
      </MOAttributes>
    </CreateResponse>
  </S:Body>
</S:Envelope>
```

Example 5 Create Subscription Response Message



3 Get AIR Subscription

This section covers the AIR command `getSubscription`.

MOType

`Subscription@http://schemas.ericsson.com/ma/CS/AIR/`

3.1 Request Data

3.1.1 Parameters

MOId

Table 8 Get Subscription MOId

Parameter	Type	Occurrence	Description
subscriberNumber	String, 1 - 28 digits	Mandatory	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by subscriberNumberNAI parameter.

MOAttributes

Table 9 covers the parameters that can be used in a `getSubscription` request.



Table 9 Get Subscription Parameters

Parameter	Type	Occurrence	Description
originNodeType	String Enumeration value="EXT" Enumeration value="AIR" Enumeration value="ADM" Enumeration value="UGW" Enumeration value="IVR" Enumeration value="OGW" Enumeration value="SDP"	Optional (0-1)	The parameter contains the origin node type that is set by AIR or provided by an external network element. It contains the type of the logical node from where the operation originated. External network elements are not allowed to use the reserved names on network element types, (except EXT). Network Element Type: EXT:External system AIR:Account information and refill ADM:Administrative system UGW: USSD gateway IVR :Interactive voice response system OGW: On-line gateway SDP: Service data point If this parameter is absent from the request, Dynamic Activation will generate "ADM" as the parameter to NEs.
originHostName	String, 1 - 255 characters	Optional (0-1)	The identifier string for the host where the operation originated from. The host name shall be unique within the network for a given network element type. If this parameter is absent from the request, Dynamic Activation will generate a node name, which the character "-" replaced by "" as the parameter to NEs.
originTransactionID	String, 0 - 9999 9999 9999 9999 9999 digits Each digit is 0-9	Optional (0-1)	The Unique identifier for the transaction, generated by the system it was initiated from. The value in this parameter must be unique per operation and can be a sequence number. An operation in this case is for example a refill.
originTimeStamp	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11- 24T23:59:59+08:00	Optional (0-1)	The date and time of sending the request by the entity that initiated the operation.
subscriberNumberNAI	Integer, 0 - 2 0 = National number (with prefix) 1 = International number 2 = National significant number (without prefix)	Optional (0-1)	The Nature of Address Indicator identifies the format of the subscriberNumber parameter.
accountDetails		Optional (0-1)	A list of the account details.



Parameter	Type	Occurrence	Description
messageCapabilityFlag		Optional (0-1)	The possible actions that may be performed on the account due to an operation initiated over this protocol.
promotionNotificationFlag	Boolean {0, 1} 0 (false) = Default value. Promotion notification code will not be cleared after delivery in response. 1 (true) = Promotion notification code will be cleared after delivery in response.	Optional (0-1)	Indicate whether the promotion notification code shall be cleared or not after delivery in response.
firstIVRCallSetFlag	Boolean {0, 1} 0 (false) = Do not set first IVR call done flag. 1 (true) = Set first IVR call done flag.	Optional (0-1)	Indicate whether the first IVR call done flag shall be set or not.
accountActivationFlag	Boolean {0, 1} 0 (false) = Default value. Pre-activated accounts will not be activated due to the request. Account can however be activated if service fee and supervision expiry dates are set as a result of this request. In this case neither the initial balance nor the life-cycle dates from the pre-activation configuration will not be given. 1 (true) = Pre-activated accounts may be activated due to the request. If service fee and supervision expiry dates are explicitly received in the request these days will be used and initial balance will be applied (but no additional days from the pre-activation configuration will be given). If service fee and supervision expiry dates are not explicitly set in the request initial life-cycle days and initial balance will be applied.	Optional (0-1)	Indicate whether pre-activated accounts may be or will not be activated due to the request.
requestedInformationFlags		Optional (0-1)	The elements to be returned or not returned in a response.
requestMasterAccountBalanceFlag	Boolean {0, 1} 0 (false) = Default value. Do not return. 1 (true) = Return.	Optional (0-1)	Indicate whether the currency1, accountValue1, aggregatedBalance1, currency2, accountValue2 and aggregatedBalance2 parameters shall be returned or not.



Parameter	Type	Occurrence	Description
allowedServiceClassChangeDateFlag	Boolean {0, 1} 0 (false) = Default value. Do not return. 1 (true) = Return.	Optional (0-1)	Indicate whether the serviceClassChangeUnbarDate parameter shall be returned or not.
requestLocationInformationFlag	Boolean {0, 1} 0 (false) = Default value. Do not return. 1 (true) = Return.	Optional (0-1)	Used to retrieve location information.
requestPamInformationFlag	Boolean {1} 1 (true) = Periodic Account Management information	Optional (0-1)	Indicate whether periodic account management information is to be included in the response.
requestActiveOffersFlag	Boolean {0, 1} 0 (false) = Default value. The response will contain the active as well as the inactive (or disabled) 1 (true) = The response will not contain the inactive (or disabled) offers for the subscriber. Only active offers will be returned	Optional (0-1)	Indicate whether the state of the offers that should be included in a response.
requestAttributesFlag	Boolean {0, 1} 0 (false) = Default value. The response will not contain attributes. 1 (true) = The response will contain attributes, if existing.	Optional (0-1)	Indicate whether the attribute stored for the offer is to be included in a response.
requestTreeParameterSetsFlag	Boolean {0, 1} 0 (false) = Default value. The response will not contain tree parameter sets. 1 (true) = The response will contain tree parameter sets, if existing.	Optional (0-1)	Indicates if tree parameter sets for all types of trees stored for the offer are to be included in a response.
associatedPartyID	String, 1 - 28 digits	Optional (0-1)	The subscriber identity of the consumer or provider.
allowedServiceClasses	Sub-MO	Optional (0-1)	The information of service classes the subscriber is allowed to change to.
serviceClassCurrent	Integer, 0 - 9999	Optional (0-1)	The service class currently used by the subscriber.
balanceAndDate		Optional (0-1)	It is used to perform a balance enquiry on the account associated with a specific subscriber identity. Also lifecycle dates are presented. Information is given on both main and dedicated accounts.
messageCapabilityFlag		Optional (0-1)	The possible actions that may be performed on the account due to an operation initiated over this protocol.



Parameter	Type	Occurrence	Description
promotionNotificationFlag	Boolean { 0, 1 } 0 (false) = Default value. Promotion notification code will not be cleared after delivery in response. 1 (true) = Promotion notification code will be cleared after delivery in response.	Optional (0-1)	Indicate whether the promotion notification code shall be cleared or not after delivery in response.
firstIVRCallSetFlag	Boolean { 0, 1 } 0 (false) = Do not set first IVR call done flag. 1 (true) = Set first IVR call done flag.	Optional (0-1)	Indicate whether the first IVR call done flag shall be set or not.
accountActivationFlag	Boolean { 0, 1 } 0 (false) = Default value. Pre-activated accounts will not be activated due to the request. Account can however be activated if service fee and supervision expiry dates are set as a result of this request. In this case neither the initial balance nor the life-cycle dates from the pre-activation configuration will not be given. 1 (true) = Pre-activated accounts may be activated due to the request. If service fee and supervision expiry dates are explicitly received in the request these days will be used and initial balance will be applied (but no additional days from the pre-activation configuration will be given). If service fee and supervision expiry dates are not explicitly set in the request initial life-cycle days and initial balance is applied.	Optional (0-1)	Indicate whether pre-activated accounts can be or cannot be activated due to the request. The possibility to activate a pre-activated account by this flag is configured in the account databases service class configuration. This results in that even if the flag is set to true the account may not be activated.
dedicatedAccountSelection	Sub-MO	Optional (0-n)	This parameter is used to select which dedicated accounts that will be returned.
dedicatedAccountIDFirst	Integer, 1 - 2147483647	Mandatory	The identity of the first dedicated account in a sequence of dedicated accounts, or the only dedicated account identity if a single dedicated account shall be obtained.
dedicatedAccountIDLast	Integer, 1 - 2147483647	Optional (0-1)	The identity of the last dedicated account in a sequence of dedicated accounts.
chargingRequestInformation		Optional (0-1)	This parameter contains request information for a charged end user communication event.



Parameter	Type	Occurrence	Description
chargingType	Integer, 1 - 6 1 = Check order and make reservation 2 = Perform order and make deduction 3 = Perform order and commit reservation 4 = Rollback reservation 5 = Get allowed options 6 = Rate and check (reserved for future use)	Optional (0-1)	This parameter contains information how the request is to be charged and which mechanism to use.
chargingIndicator	Integer, 0 - 65535	Optional (0-1)	An indicator for rating differentiation.
reservationCorrelationID	Integer, 0 - 2147483647	Optional (0-1)	The id needed to correlate a reservation.
requestSubDedicatedAccountDetailsFlag	Boolean { 0, 1 } 0 (false) = Default value. The response will not include the associated subDedicatedAccountInformation structs. 1 (true) = The response will include the associated subDedicatedAccountInformation structs.	Optional (0-1)	Indicate the requested detail level of the content in the dedicatedAccountInformation.
requestFirstAccessibleAndExpiredBalanceAndDateFlag	Boolean { 0, 1 } 0 (false) = Default value. The response will not include the associated closestExpiryDate, closestExpiryValue1, closestExpiryValue2, closestAccessibleDate, closestAccessibleValue1, closestAccessibleValue2. 1 (true) = The response will include the associated closestExpiryDate, closestExpiryValue1, closestExpiryValue2, closestAccessibleDate, closestAccessibleValue1, closestAccessibleValue2.	Optional (0-1)	Indicate the requested detail level of the content in the dedicatedAccountInformation.



Parameter	Type	Occurrence	Description
requestActiveOffersFlag	Boolean {0, 1} 0 (false) = Default value. The response will contain the active as well as the inactive (or disabled) 1 (true) = The response will not contain the inactive (or disabled) offers for the subscriber. Only active offers will be returned	Optional (0-1)	Indicate whether the state of the offers that should be included in a response.
requestAttributesFlag	Boolean {0, 1} 0 (false) = Default value. The response will not contain attributes. 1 (true) The response will contain attributes, if existing.	Optional (0-1)	Indicate whether the attribute stored for the offer is to be included in a response.
requestTreeParameterSetsFlag	Boolean {0, 1} 0 (false) = Default. The response will not contain tree parameter sets. 1 (true) = The response will contain tree parameter sets, if existing.	Optional (0-1)	Indicates if tree parameter sets for all types of trees stored for the offer are to be included in a response.
associatedPartyID	String, 1 - 28 digits	Optional (0-1)	The subscriber identity of the consumer or provider.
fafList		Optional (0-1)	Family and Friends List.
requestedOwner	Integer, 1- 3 1 = Subscriber 2 = Account 3 = Subscriber and account	Mandatory	Indicate whether the data is attached to the account or subscriber.
promotionCounters		Optional (0-1)	It returns the current accumulated values used as base for the calculation of when to give a promotion and when to progress a promotion plan.
promotionPlans		Optional (0-1)	It returns the promotion plans allocated to the subscribers account.
refillOptions	Integer, 1- 999	Optional (0-1)	It contains the value of a refill option
serviceClassCurrent	Integer, 0 - 9999	Optional (0-1)	The service class currently used by the subscriber.
voucherActivationCode	String, 8 - 20 digits	Mandatory	The activation number which is the unique secret code on the voucher which the subscriber uses when performing a voucher based refill of the account. The format includes support of leading zeroes.
messageCapabilityFlag		Optional (0-1)	The possible actions that may be performed on the account due to an operation initiated over this protocol.



Parameter		Type	Occurrence	Description
	promotionNotificationFlag	Boolean { 0, 1 } 0 (false) = Default value. Promotion notification code will not be cleared after delivery in response. 1 (true) = Promotion notification code will be cleared after delivery in response.	Optional (0-1)	Indicate whether the promotion notification code shall be cleared or not after delivery in response.
	firstIVRCallSetFlag	Boolean { 0, 1 } 0 (false) = Do not set first IVR call done flag. 1 (true) = Set first IVR call done flag.	Optional (0-1)	Indicate whether the first IVR call done flag shall be set or not.
	accountActivationFlag	Boolean { 0, 1 } 0 (false) = Default value. Pre-activated accounts will not be activated due to the request. Account can however be activated if service fee and supervision expiry dates are set as a result of this request. In this case neither the initial balance nor the life-cycle dates from the pre-activation configuration will not be given. 1 (true) = Pre-activated accounts may be activated due to the request. If service fee and supervision expiry dates are explicitly received in the request these days will be used and initial balance will be applied (but no additional days from the pre-activation configuration will be given). If service fee and supervision expiry dates are not explicitly set in the request initial life-cycle days and initial balance is applied.	Optional (0-1)	Indicate whether pre-activated accounts can be or cannot be activated due to the request. The possibility to activate a pre-activated account by this flag is configured in the account databases service class configuration. This results in that even if the flag is set to true the account may not be activated.
	usageThresholdsAndCounters		Optional (0-1)	Information of active usage thresholds and usage counters for a subscriber.
	originOperatorID	String, 1- 255 characters	Optional (0-1)	Identity of the system user or the session from where the operation was initiated.
	associatedPartyID	String, 1 - 28 digits	Optional (0-1)	The subscriber identity of the consumer or provider.
	negotiatedCapabilities	Integer, 0 - 2147483647	Optional (0-n)	Indicate the negotiated capabilities between the client and server node. The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active.



3.2 Response Data

3.2.1 Parameters

MOId

Table 10 Get Subscription Parameters

Parameter	Type	Occurrence	Description
subscriberNumber	String, 1 - 28 digits	Mandatory	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by subscriberNumberNAI parameter.

MOAttributes

Table 11 covers the parameters that can be used in a `getSubscription` response.

Table 11 Get Subscription Parameters

Parameter	Type	Occurrence	Description
subscriberNumber	String, 1 - 28 digits	Mandatory	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by subscriberNumberNAI parameter.
originTransactionID	String, 0 - 9999 9999 9999 9999 9999 9999 digits	Optional (0-1)	The Unique identifier for the transaction, generated by the system it was initiated from. The value in this parameter must be unique per operation and can be a sequence number. An operation in this case is for example a refill.
accountDetails		Optional (0-1)	A list of the account details.
firstIVRCallFlag	Boolean, {1} 1 (true) = The current IVR session is the first IVR call.	Optional (0-1)	This flag is sent to inform the client that the current IVR session is the first IVR call.



Parameter	Type	Occurrence	Description
languageIDCurrent	Integer, 1 - 4 1 = Operator specific language 1 2 = Operator specific language 2 3 = Operator specific language 3 4 = Operator specific language 4	Optional (0-1)	The preferred language of subscriber.
serviceClassOriginal	Integer, 0 - 9999	Optional (0-1)	The identity of the original service class when a temporary service class is active for an account.
serviceClassCurrent	Integer, 0 - 9999	Optional (0-1)	The service class currently used by the subscriber.
serviceClassTemporaryExpiryDate	DateTime.iso8601: YYYY-MM-DDThh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The expiry date of a temporary service class of an account. A temporary service class has precedence before the normally assigned service class, as long as the temporary service class date expiry date is not passed.
ussdEndOfCallNotificationID	Integer, 0 - 255 0–199 = As defined in the tariff trees 200–254 = Reserved 255 = No ID assigned (clears previously assigned ID)	Optional (0-1)	This parameter identifies which decision tree to use, when selecting the appropriate USSD text string for the End of Call Notification message to the subscriber.
accountGroupID	Integer, 0 - 2147483647	Optional (0-1)	The Account Group identity for the account. 0 indicate clearing of account group (when set to 0 the account does not belong to any account group).
serviceOfferings	Sub-MO	Optional (0-n)	The values of the service offerings defined on an account. It has to be matched to the definitions of the tariff tree.
serviceOfferingID	Integer, 1 - 31	Mandatory	The identity of a current service offering defined on an account.
serviceOfferingActiveFlag	Boolean { 0, 1 } 0 (false) = The service offering is not active. 1 (true) = The service offering is active.	Mandatory	Whether a specific service offering pointed out by the serviceOfferingID parameter is active or not.
communityInformationCurrent	String	Optional (0-1)	The community the subscriber currently belongs to.



Parameter	Type	Occurrence	Description
temporaryBlockedFlag	Boolean {0, 1} 0 (false) = Default value. Unblocked 1 (true) = Temporary blocked	Optional (0-1)	Indicate whether the subscriber and operator has access to subscriber and account data. A temporary blocked subscriber does not have access to the account, and any messages requesting changes in the account or subscriber data are rejected. Therefore in case temporary blocked is set, a temporary blocked indication is set in the response code of the response message and the action is rejected. It is always possible to read data, but the only way to change data again is to unblock the subscriber.
accountActivatedFlag	Boolean {1} 1 (true) = Account got activated as a result of the User Communication session.	Optional (0-1)	This flag is sent when the account got activated as a result of the User Communication session.
activationDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The activation date of an account. Subordinate subscribers will contain the activation date of the master account. Element Value Range: DateMin to DateToday
accountFlags		Optional (0-1)	The life cycle state flags of the account, indicating the actual status of the account.
activationStatusFlag	Boolean, { 0,1 } 0 (false) = Default value. Account is not activated 1 (true) = Account is activated	Optional (0-1)	Indicate whether an account is activated or not.
negativeBarringStatusFlag	Boolean { 0,1 } 0 (false) = Default value. Account is not barred due to negative balance. 1 (true) = Account is barred due to negative balance.	Optional (0-1)	Indicate whether an account is barred due to negative balance or not.
supervisionPeriodWarningActiveFlag	Boolean, { 0,1 } 0 (false) = Default value. Supervision period date expiration warning not active. 1 (true) = Supervision period date expiration warning active.	Optional (0-1)	Indicate whether the supervision period date expiration warning is active or not.



Parameter	Type	Occurrence	Description
serviceFeePeriodWarningActiveFlag	Boolean, { 0,1 } 0 (false) = Default value. Service fee period date expiration warning not active. 1 (true) = Service fee period date expiration warning active	Optional (0-1)	Indicate whether the service fee period date expiration warning is active or not.
supervisionPeriodExpiryFlag	Boolean, { 0,1 } 0 (false) = Default value. Supervision period date has not expired. 1 (true) = Supervision period date has expired.	Optional (0-1)	Indicate whether the supervision period date has expired or not.
serviceFeePeriodExpiryFlag	Boolean, { 0,1 } 0 (false) = Default value. Service fee period date has not expired. 1 (true) = Service fee period date has expired.	Optional (0-1)	Indicate whether the service fee period date has expired or not.
masterSubscriberFlag	Boolean, { 1 } 1 (true) = The user is the master subscriber of the account.	Optional (0-1)	Indicate that the user is the master subscriber of the account.
masterAccountNumber	String, 1 - 28	Optional (0-1)	The subscriber identity of the master subscriber in a multi user account. The format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeros.
refillUnbarDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date and time when a refill barred subscriber is unbarred and is allowed to do a new refill.
promotionAnnouncementCode	Integer, 0 - 99	Optional (0-1)	The promotional code for the announcement to be played.
promotionPlanID	String, 1 - 4	Optional (0-1)	The identity of one of the current promotion plans of a subscriber.
promotionStartDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	Start date of the associated promotion plan.



Parameter	Type	Occurrence	Description
promotionEndDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	End date of the associated promotion plan.
supervisionExpiryDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	Expiry date of the supervision period.
creditClearanceDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	Date when the credit clearance period will expire.
serviceRemovalDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	Date when the account will be removed after the service removal period has expired.
serviceFeeExpiryDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The expiry date of the service fee period.
serviceClassChangeUnbarDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	Date when a charged service class change will be unbarred, that is allowed again. If sent, a charged service class change is not allowed. Today's date and dates older than today's date will not be sent. Element Value Range: DateTomorrow to DateMax.
serviceFeePeriod	Integer, -32767 to 32767	Optional (0-1)	Number of days until the service fee period expires.
supervisionPeriod	Integer, -32767 to 32767	Optional (0-1)	Number of days until the supervision period expires.
serviceRemovalPeriod	Integer, 0 - 1023	Optional (0-1)	The period until service removal.
creditClearancePeriod	Integer, 0 - 1023	Optional (0-1)	The period until credit clearance.



Parameter	Type	Occurrence	Description
currency1	String, Currency	Optional (0-1)	The first currency to be presented to the end user. For example, SEK, EUR, USD, etc.
accountValue1	String, -999 999 999 999 to 999 999 999 999 price	Optional (0-1)	The account value for the master account of subscriber. This is not taking in consideration any ongoing chargeable events. It indicates an account value in the first currency.
currency2	String, Currency	Optional (0-1)	The second currency to be presented to the end user. For example, SEK, EUR, USD, etc.
accountValue2	String, -999 999 999 999 to 999 999 999 999 price	Optional (0-1)	The account value for the master account of subscriber. This is not taking in consideration any ongoing chargeable events. It indicates an account value in the second currency.
accountHomeRegion	Integer, 0 - 999	Optional (0-1)	The home region for the account. Zero means no home region set.
periodicAccountManagementData	Sub-MO	Optional (0-n)	Information used for periodic account management.
pamServiceID	Integer, 0 - 99	Mandatory	The id of the periodic account management service.
pamClassID	Integer, 0 - 9999	Mandatory	The periodic account management class used by the periodic account management service.
scheduleID	Integer, 0 - 9999	Mandatory	The schedule that is used by the periodic account management service.
currentPamPeriod	String, 1 - 30 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash).	Mandatory	The periodic account management period that is currently used for the subscriber.
deferredToDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The deferred to date for the Periodic Account Management service.
lastEvaluationDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	Date of the last periodic account management evaluation.
pamServicePriority	Integer, 0 - 65535	Optional (0-1)	Indicate the priority between PAM services at PAM evaluation. Lower value gives higher priority.



Parameter	Type	Occurrence	Description
maxServiceFeePeriod	Integer, 0 - 32767	Optional (0-1)	The maximum allowed duration of the service fee period in number of days until the period expires.
maxSupervisionPeriod	Integer, 0 - 32767	Optional (0-1)	The maximum allowed duration of the supervision period in number of days until the period expires.
negativeBalanceBarringDate	DateTime.iso8601: YYYY-MM-DDThh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	Date when a subscriber is scheduled to be barred, or was barred, due to negative balance. Element Value Range: DateMin to DateMax
accountFlagsBefore		Optional (0-1)	Life cycle state flags of the account, indicating the actual status of the account before.
activationStatusFlag	Boolean, { 0,1 } 0 (false) = Default value. Account is not activated 1 (true) = Account is activated	Optional (0-1)	Indicate whether an account is activated or not.
negativeBarringStatusFlag	Boolean { 0,1 } 0 (false) = Default value. Account is not barred due to negative balance. 1 (true) = Account is barred due to negative balance.	Optional (0-1)	Indicate whether an account is barred due to negative balance or not.
supervisionPeriodWarningActiveFlag	Boolean, { 0,1 } 0 (false) = Default value. Supervision period date expiration warning not active. 1 (true) = Supervision period date expiration warning active.	Optional (0-1)	Indicate whether the supervision period date expiration warning is active or not.
serviceFeePeriodWarningActiveFlag	Boolean, { 0,1 } 0 (false) = Default value. Service fee period date expiration warning not active. 1 (true) = Service fee period date expiration warning active	Optional (0-1)	Indicate whether the service fee period date expiration warning is active or not.
supervisionPeriodExpiryFlag	Boolean, { 0,1 } 0 (false) = Default value. Supervision period date has not expired. 1 (true) = Supervision period date has expired.	Optional (0-1)	Indicate whether the supervision period date has expired or not.



Parameter	Type	Occurrence	Description
serviceFeePeriodExpiryFlag	Boolean, { 0,1 } 0 (false) = Default value. Service fee period date has not expired. 1 (true) = Service fee period date has expired.	Optional (0-1)	Indicate whether the service fee period date has expired or not.
offerInformation	Sub-MO	Optional (0-n)	Dates (or dates and time) for offers.
offerID	Integer, 0 - 2147483647	Optional (0-1)	The identity of an offer.
startDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used. Value Range: DateMin to DateMax or DateBeginningOfTime
expiryDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The expiry date for a dedicated account, Value Range: DateMin to DateMax or DateInfinite
startDateTime	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The start date and time for an offer. Value Range: DateMin to DateMax or DateBeginningOfTime
expiryDateTime	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The expiry date and time. Value Range: DateMin to DateMax or DateInfinite
pamServiceID	Integer, 0 - 99	Optional (0-1)	The id of the periodic account management service.
offerType	Integer, 0 - 7	Optional (0-1)	The identifies the offer type.
offerState	Integer, 0 - 99 0 = Enabled offer state 1 = Disabled offer state 2-99 = Reserved for future use	Optional (0-1)	Specifies the actual offer state to return in a GetOfferrequest.
offerProviderID	String, 1 - 28 digits	Optional (0-1)	The subscriber number as represented in the SDP database for the provider.



Parameter	Type	Occurrence	Description
productID	Integer, 0 - 2147483647	Optional (0-1)	The identity of a product. Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.
usageCounterUsageThresholdInformation	Sub-MO	Optional (0-n)	All active usage counters with their thresholds for a subscriber.
usageCounterID	Integer, 1 - 2147483647	Mandatory	The id of a usage counter.
usageCounterValue	String, 0 - 9 223 372 036 854 775 807 digits	Optional (0-1)	The value of a non-monetary usage counter.
usageCounterNominalValue	String, 0 - 9 223 372 036 854 775 807 digits	Optional (0-1)	The value of a non-monetary usage counter, without any factor.
usageCounterMonetaryValue1	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage counter. It indicates a usage counter amount in the first currency.
usageCounterMonetaryNominalValue1	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage counter, without any factor. It indicates a usage counter amount in the first currency.
usageCounterMonetaryValue2	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage counter. It indicates a usage counter amount in the second currency.
usageCounterMonetaryNominalValue2	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage counter, without any factor. It indicates a usage counter amount in the second currency.
usageThresholdInformation	Sub-MO	Optional (0-n)	All information about a usage threshold. Depending on the usage counted the threshold value is represented either in the usageThresholdValue parameter or the usageThresholdMonetaryValue1 or usageThresholdMonetaryValue2 parameter. The usageThresholdSource parameter can not be updated but is included in responses.
usageThresholdID	Integer, 1 - 2147483647	Mandatory	The ID of a usage threshold.
usageThresholdValue	String, 0 - 9 223 372 036 854 775 807 digits	Optional (0-1)	The value of a non-monetary usage threshold.
usageThresholdMonetaryValue1	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage threshold. It indicates a usage threshold amount in the first currency.
usageThresholdMonetaryValue2	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage threshold. It indicates a usage threshold amount in the second currency.



Parameter				Type	Occurrence	Description
			usageThreshholdSource	Integer, 1 - 3 1 = Personal - The threshold has been changed to a value other than the usage counter definition and is fetched from the subscriber. 2 = Common - The threshold has been changed to an individual value for a provider shared by all consumers. 3 = Default - The threshold value fetched from the usage counter definition.	Optional (0-1)	The source of a usage threshold.
			associatedPartyID	String, 1 - 28 digits	Optional (0-1)	The subscriber identity of the consumer or provider. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes.
			associatedPartyID	String, 1 - 28 digits	Optional (0-1)	The subscriber identity of the consumer or provider. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes.
			productID	Integer, 0 - 2147483647	Optional (0-1)	The identity of a product. Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.
			dedicatedAccountChangeInformation	Sub-MO	Optional (0-n)	Information of changes done to balances and dates for dedicated accounts.
			dedicatedAccountID	Integer, 1 - 2147483647	Mandatory	The identity of the dedicated account in order to be able to distinguish between the various dedicated accounts in an array of dedicated accounts.
			productID	Integer, 0 - 2147483647	Optional (0-1)	The identity of a product. Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.



Parameter	Type	Occurrence	Description
dedicatedAccountValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p> <p>It indicates the balance in the first currency.</p>
dedicatedAccountValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p> <p>It indicates the balance in the second currency.</p>
expiryDate	<p>DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ</p> <p>TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00</p>	Optional (0-1)	<p>The expiry date for a dedicated account.</p> <p>Element Value Range: DateMin to DateMax or DateInfinite</p>



Parameter	Type	Occurrence	Description
startDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used. Element Value Range: DateMin to DateMax or DateBeginningOfTime
pamServiceID	Integer, 0 - 99	Optional (0-1)	The id of the periodic account management service.
offerID	Integer, 1 - 2147483647	Optional (0-1)	The identity of an offer.
closestExpiryDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date when the next sub dedicated account(s) will expire, this include both active and inactive sub dedicated accounts. DateToday to DateMax
closestExpiryValue1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest expiry date, this include both active and in active sub dedicated accounts. It indicates the balance of the first currency. If the unit type is other than money the closestExpiryValue1 contains the amount of the valid units and closestExpiryValue2 is omitted.
closestExpiryValue2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest expiry date, this include both active and in active sub dedicated accounts. It indicates the balance of the second currency. If the unit type is other than money the closestExpiryValue1 contains the amount of the valid units and closestExpiryValue2 is omitted.
closestAccessibleDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date when the next sub dedicated account(s) will be accessible. This parameter is only valid for composite dedicated accounts. DateToday to DateMax
closestAccessibleValue1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest start date. This parameter is only valid for composite dedicated accounts. It indicates the balance in the first currency. If the unit type is other than money the closestAccessibleValue1 contains the sum of the valid units and closestAccessibleValue2 is omitted.



Parameter		Type	Occurrence	Description
	closestAccessibleValue2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The balance of the sub dedicated account(s) with the closest start date. This parameter is only valid for composite dedicated accounts.</p> <p>It indicates the balance in the second currency.</p> <p>If the unit type is other than money the closestAccessibleValue1 contains the sum of the valid units and closestAccessibleValue2 is omitted.</p>
	dedicatedAccountActiveValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>This parameter contains a dedicated account balance that can be consumed right now. This is not taking in consideration any ongoing chargeable events. The active value is only valid for composite dedicated account as they can have resources that becomes accessible later.</p> <p>It indicates that the balance is in the first currency.</p> <p>If the unit type is other than money the dedicatedAccountActiveValue1 contains the sum of the valid units and dedicatedAccountActiveValue2 is omitted.</p>
	dedicatedAccountActiveValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>This parameter contains a dedicated account balance that can be consumed right now. This is not taking in consideration any ongoing chargeable events. The active value is only valid for composite dedicated account as they can have resources that becomes accessible later.</p> <p>It indicates that the balance is in the second currency.</p> <p>If the unit type is other than money the dedicatedAccountActiveValue1 contains the sum of the valid units and dedicatedAccountActiveValue2 is omitted.</p>
	subDedicatedAccountChannelInformation	Sub-MO	Optional (0-n)	Information about the changes made to a sub dedicated account.
	changedAmount1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The parameter defines changed values on a main or dedicated account.</p> <p>It indicates a changed amount in the first currency.</p> <p>If the unit type is other than money the changedAmount1 contains the amount of the valid units and changedAmount2 is omitted.</p>
	changedAmount2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The parameter defines changed values on a main or dedicated account.</p> <p>It indicates a changed amount in the second currency.</p> <p>If the unit type is other than money the changedAmount1 contains the amount of the valid units and changedAmount2 is omitted.</p>



Parameter	Type	Occurrence	Description
dedicatedAccountValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p> <p>It indicates the balance in the first currency.</p>
dedicatedAccountValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p> <p>It indicates the balance in the second currency.</p>
changedExpiryDate	Integer, -65535 to 65535	Optional (0-1)	The number of days the expiry date for a dedicated account has been changed as a result of the operation. The value is given in number of days.
newExpiryDate	<p>DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ</p> <p>TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00</p>	Optional (0-1)	The new expiry date for a dedicated account.



Parameter			Type	Occurrence	Description
		clearedExpiryDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The previous expiry date for a cleared dedicated account. DateMin to DateMax or DateInfinite
		changedStartDate	Integer, -65535 to 65535	Optional (0-1)	The number of days the start date for a dedicated account has been changed as a result of the operation. The value is given in number of days.
		newStartDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The new start date for a dedicated account. DateMin to DateMax or DateBeginningOfTime
		clearedStartDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The previous start date for a cleared dedicated account. DateMin to DateMax or DateBeginningOfTime
		dedicatedAccountUnitType	Integer, 0 - 6 0 = The account contains time. 1 = The account contains money. 2 - 4 = The account contains total octets (Not used, reserved for future use). 5 = The account contains service specific units. 6 = The account contains volume.	Optional (0-1)	The unit of the dedicated account values and is mandatory if the function "multi unit" is active, in other case it is optional.
		dedicatedAccountInformation	Sub-MO	Optional (0-n)	Balances and dates for dedicated accounts.
		dedicatedAccountID	Integer, 1 - 2147483647	Mandatory	The identity of the dedicated account in order to be able to distinguish between the various dedicated accounts in an array of dedicated accounts.



Parameter	Type	Occurrence	Description
dedicatedAccountValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>It indicates that the balance is in the first currency.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p>
dedicatedAccountValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>It indicates that the balance is in the second currency.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p>
expiryDate	<p>DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ</p> <p>TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00</p>	Optional (0-1)	<p>The expiry date for a dedicated account.</p> <p>Element Value Range: DateMin to DateMax or DateInfinite</p>



Parameter	Type	Occurrence	Description
startDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used. Element Value Range: DateMin to DateMax or DateBeginningOfTime
pamServiceID	Integer, 0 - 99	Optional (0-1)	The id of the periodic account management service.
offerID	Integer, 1 - 2147483647	Optional (0-1)	The identity of an offer.
productID	Integer, 0 - 2147483647	Optional (0-1)	The identity of a product. Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.
closestExpiryDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date when the next sub dedicated account(s) will expire, this include both active and inactive sub dedicated accounts. DateToday to DateMax
closestExpiryValue1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest expiry date, this include both active and in active sub dedicated accounts. It indicates the balance of the first currency. If the unit type is other than money the closestExpiryValue1 contains the amount of the valid units and closestExpiryValue2 is omitted.
closestExpiryValue2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest expiry date, this include both active and in active sub dedicated accounts. It indicates the balance of the second currency. If the unit type is other than money the closestExpiryValue1 contains the amount of the valid units and closestExpiryValue2 is omitted.
closestAccessibleDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date when the next sub dedicated account(s) will be accessible. This parameter is only valid for composite dedicated accounts. DateToday to DateMax



Parameter	Type	Occurrence	Description
closestAccessibleValue1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The balance of the sub dedicated account(s) with the closest start date. This parameter is only valid for composite dedicated accounts.</p> <p>It indicates the balance in the first currency.</p> <p>If the unit type is other than money the closestAccessibleValue1 contains the sum of the valid units and closestAccessibleValue2 is omitted.</p>
closestAccessibleValue2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The balance of the sub dedicated account(s) with the closest start date. This parameter is only valid for composite dedicated accounts.</p> <p>It indicates the balance in the second currency.</p> <p>If the unit type is other than money the closestAccessibleValue1 contains the sum of the valid units and closestAccessibleValue2 is omitted.</p>
subDedicatedAccountInformation	Sub-MO	Optional (0-n)	Balances and dates for sub dedicated accounts.
dedicatedAccountValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>It indicates that the balance is in the first currency.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p>



Parameter	Type	Occurrence	Description
dedicatedAccountValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>It indicates that the balance is in the second currency.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p>
startDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	<p>The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used.</p> <p>Element Value Range: DateMin to DateMax or DateBeginningOfTime</p>
expiryDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	<p>The expiry date for a dedicated account.</p> <p>Element Value Range: DateMin to DateMax or DateInfinite</p>
dedicatedAccountActiveValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>This parameter contains a dedicated account balance that can be consumed right now. This is not taking in consideration any ongoing chargeable events. The active value is only valid for composite dedicated account as they can have resources that becomes accessible later.</p> <p>It indicates that the balance is in the first currency.</p> <p>If the unit type is other than money the dedicatedAccountActiveValue1 contains the sum of the valid units and dedicatedAccountActiveValue2 is omitted.</p>



Parameter	Type	Occurrence	Description
dedicatedAccountActiveValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>This parameter contains a dedicated account balance that can be consumed right now. This is not taking in consideration any ongoing chargeable events. The active value is only valid for composite dedicated account as they can have resources that becomes accessible later.</p> <p>It indicates that the balance is in the second currency.</p> <p>If the unit type is other than money the dedicatedAccountActiveValue1 contains the sum of the valid units and dedicatedAccountActiveValue2 is omitted.</p>
dedicatedAccountUnitType	Integer, 0 - 6 0 = The account contains time. 1 = The account contains money. 2 - 4 = The account contains total octets (Not used, reserved for future use). 5 = The account contains service specific units. 6 = The account contains volume.	Optional (0-1)	The unit of the dedicated account values and is mandatory if the function "multi unit" is active, in other case it is optional.
compositeDedicatedAccountFlag	Boolean { 1 }	Optional (0-1)	This flag indicates that a dedicated account is a composite dedicated account. It is used to identify a composite dedicated account that does not have any sub dedicated accounts.
attributeInformation	Sub-MO	Optional (0-n)	<p>Contains information about attributes.</p> <p>It will be returned as response to GetAccountDetails, GetBalanceAndDate, GetOffers and Refill if requested with requestAttributesFlag and if any attributes exist that have a value. attributeInformation will also be included as response to DeleteOffer and DeleteSubscriber if any attributes is removed. For UpdateOffer response, attributeInformation will include all attributes that have values.</p>
attributeName	String, 1 - 128 characters	Optional (0-1)	The name of the attribute.
attributeValueString	String, 1 - 128 extended characters Extended characters which allows all US-ASCII values from 32 to 126 (hexadecimal 0x20 to 0x7e).	Optional (0-1)	The string value of an attribute.



Parameter			Type	Occurrence	Description
		attributeValueDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date value of an attribute. DateMin to DateMax or DateInfinite
		attributeValueDecimal		Optional (0-1)	Information about a decimal value.
		attributeValueNumber	String, -999 999 999 999 999 to 999 999 999 999 999 SignedNumeric	Mandatory	The parameter contains up to 15 significant digits that together with the numberOfDecimals parameter forms a decimal number. There is no decimal sign included in this parameter.
		numberOfDecimals	Integer, 0 - 15	Mandatory	The parameter forms together with attributeValue Number a decimal number. The parameter contains information about where to put the decimal sign counted in positions from the right.
		attributeValueInteger	Integer, -2147483648 to 2147483647	Optional (0-1)	Contains the integer value of an attribute.
		attributeSource	Integer, 1 - 255 1 = Default value from definition 2 - 255 = Reserved for future use	Optional (0-1)	Contain the source from where the attribute is fetched. Default (parameter is not included) means the attribute is stored on the entity provisioned for a subscriber.
		treeParameterSetInformation	Sub-MO	Optional (0-n)	Contains information about treeParameterSets divided per tree names It is returned as response to GetAccountDetails, GetBalanceAndDate and GetOffers if requested with requestTreeParameterSetsFlag and if any attributes exist that have a value. It is also included as response to DeleteOffer and DeleteSubscriber if any attributes is removed. For UpdateOffer response, it includes all attributes that have values.
		serviceProvider	Integer, 1 - 6 1: Rating template 2: Policy rule determination template 3: Product notification template 4: Product fee template 5: Product provision template 6: Quota determination template	Optional (0-1)	Contains the service provider which is the type of treeParameter.



Parameter				Type	Occurrence	Description
			treeParameterInformation	Sub-MO	Optional (0-n)	Contains information about a treeParameter.
			treeParameterName	String, 1 - 128 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash).	Optional (0-1)	Contains the name of the tree parameter.
			treeParameterValueString	String, 1 - 128 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash).	Optional (0-1)	Contains the string value of a tree parameter.
			treeParameterValueDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	Contains the date value of a tree parameter.
			treeParameterValueDecimal	Sub-MO	Optional (0-n)	Contains information about a decimal value. It is enclosed in a <struct> of its own. The structure contains one parameter treeParameterValueNumber containing the significant digits and a numberOfDecimals part telling how many decimals that are used.
			treeParameterValueNumber	String, -999 999 999 999 999 to 999 999 999 999 999 SignedNumeric	Mandatory	Contains up to 15 significant digits that together with the numberOfDecimals parameter forms a decimal number. There is no decimal sign included in this parameter.
			numberOfDecimals	Integer, 0 - 15	Mandatory	Contains information about where to put the decimal sign counted in positions from the right and forms together with attributeValueNumber a decimal number.
			treeParameterValueInteger	String, -9223372036854775807 to 9223372036854775807 SignedNumeric	Optional (0-1)	Contains the integer value of a tree parameter.
			treeParameterValueSchedule		Optional (0-1)	Contains values for a schedule event.
			scheduledFrequency	Integer, 1 - 7	Mandatory	Contains the frequency of the schedule (monthly, weekly, daily etc). 1: Yearly 2: Monthly 3: Weekly 4: Daily 5: Hourly 6: Minutely 7: Secondly



Parameter				Type	Occurrence	Description
			scheduledInterval	Integer, 1 - 99999	Optional (0-1)	Contains the interval of the schedule (For example every week, every second, every month, etc.).
			scheduledMonth	Integer, 1 - 12	Optional (0-n)	Contains the number of month for the schedule.
			scheduledDayOfMonth	Integer, -1 - 31	Optional (0-n)	Contains the number of the days of month for the schedule. Value -1 means last day of month.
			scheduledDayOfWeek	Integer, 1 - 7	Optional (0-n)	Contains the week day for the schedule. 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday
			scheduledHour	Integer, 0 - 23	Optional (0-1)	Contains the time (hour) for the schedule.
			scheduledMinute	Integer, 0 - 59	Optional (0-1)	Contains the time (minute) for the schedule.
			scheduledSecond	Integer, 0 - 59	Optional (0-1)	Contains the time (second) for the schedule.
			treeParameterValueDayOfWeek	Integer, 0 - 7	Optional (0-1)	Contains the value of day of week of a tree parameter. 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday
			treeParameterValueDateRange		Optional (0-1)	The struct is used to define the range of dates valid for a tree parameter. It contains two dates in a sequence to specify the range needed for tree parameter.
			treeParameterStartDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Mandatory	Contains the initial date of range applied for a tree parameter.



Parameter				Type	Occurrence	Description
			treeParameterEndDate	DateTime.iso8601: YYYY-MM-DDThh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Mandatory	Contains the final date of range applied for a tree parameter.
			treeParameterValueTime	String , 1 - 8 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash)	Optional (0-1)	Contains the value of time applied for a tree parameter.
			treeParameterSource	Integer, 1 - 2 1: Tree parameter value fetched from the offer definition 2: Tree parameter fetched from the template tree definition	Optional (0-1)	Contains the source where the tree parameter is fetched. Default (parameter is not included) means the tree parameter is stored on the entity provisioned for a subscriber.
			associatedPartyID	String, 1 - 28 digits	Optional (0-1)	The subscriber identity of the consumer or provider. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes.
			productOfferingName	String , 1 - 128 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash)	Optional (0-n)	Contains the identity of a product offering.
			cellIdentifier	String, 1 - 19 1 - 19 = Numeric 0 - 19 CAP = 14 CGI/SAI	Optional (0-1)	This parameter output the CellGlobal Identity (CGI) or Service Area Identity (SAI). It can be sent as an input parameter through UCIP. If not sent as parameter, this parameter is retrieved from the HLR using ATI request. The cellIdentifier parameter can also be a return parameter through UCIP.
			locationNumber	String, 1 - 20 digits	Optional (0-1)	The parameter contains the location of the subscriber. The default numbering format in the parameter is the same numbering format that is used for subscriber numbers in the Account Database. If another format is used, then it must be indicated by "Location Number NAI"
			accountPrepaidEmptyLimit1	String, -999 999 999 999 to 999 999 999 999	Optional (0-1)	The lowest allowed balance on an account. It indicates an account balance in the first currency
			accountPrepaidEmptyLimit2	String, -999 999 999 999 to 999 999 999 999	Optional (0-1)	The lowest allowed balance on an account. It indicates an account balance in the second currency
			allowedServiceClasses		Optional (0-1)	The information of service classes the subscriber is allowed to change to.



Parameter	Type	Occurrence	Description
serviceClassCurrent	Integer, 0 - 9999	Mandatory	The service class currently used by the subscriber.
serviceClass	Integer, 0 - 9999	Optional (0-n)	The list of new service classes which the subscriber is allowed to change to.
promotionCounters		Optional (0-1)	It returns the current accumulated values used as base for the calculation of when to give a promotion and when to progress a promotion plan.
currency1	String, Currency	Optional (0-1)	The first currency to be presented to the end user. For example, SEK, EUR, USD, etc.
currency2	String, Currency	Optional (0-1)	The second currency to be presented to the end user. For example, SEK, EUR, USD, etc.
promotionRefillAccumulatedValue1	String, 0 - 999 999 999 999 price	Optional (0-1)	The accumulated value of account refills made within the current promotion plan of a subscriber. It indicates the value in the first currency.
promotionRefillAccumulatedValue2	String, 0 - 999 999 999 999 price	Optional (0-1)	The accumulated value of account refills made within the current promotion plan of a subscriber. It indicates the value in the second currency.
promotionRefillCounter	Integer, 0 - 255	Optional (0-1)	The accumulated number of account refills within the current promotion plan of a subscriber.
progressionRefillValue1	String, 0 - 999 999 999 999 price	Optional (0-1)	The accumulated value of refills for promotion plan progression. It indicates the value in the first currency.
progressionRefillValue2	String, 0 - 999 999 999 999 price	Optional (0-1)	The accumulated value of refills for promotion plan progression. It indicates the value in the second currency.
progressionRefillCounter	Integer, 0 - 255	Optional (0-1)	The value of the accumulated number of refills for promotion plan progression.
balanceAndDate		Optional (0-1)	It is used to perform a balance enquiry on the account associated with a specific subscriber identity. Also lifecycle dates are presented. Information is given on both main and dedicated accounts.
serviceClassCurrent	Integer, 0 - 9999	Mandatory	The service class currently used by the subscriber.
currency1	String, Currency		The first currency to be presented to the end user. For example, SEK, EUR, USD, etc.



Parameter	Type	Occurrence	Description
accountValue1	String, -999 999 999 999 to 999 999 999 999 price	Optional (0-1)	<p>The account value for the master account of subscriber. This is not taking in consideration any ongoing chargeable events.</p> <p>It indicates an account value in the first currency. The second currency to be presented to the end user.</p> <p>For example, SEK, EUR, USD, etc.</p>
currency2	String, Currency	Optional (0-1)	<p>The second currency to be presented to the end user.</p> <p>For example, SEK, EUR, USD, etc.</p>
accountValue2	String, -999 999 999 999 to 999 999 999 999 price	Optional (0-1)	<p>The account value for the master account of subscriber. This is not taking in consideration any ongoing chargeable events.</p> <p>It indicates an account value in the second currency.</p> <p>For example, SEK, EUR, USD, etc.</p>
dedicatedAccountInformation	Sub-MO	Optional (0-n)	Balances and dates for dedicated accounts.
dedicatedAccountID	Integer, 1 - 2147483647	Mandatory	The identity of the dedicated account in order to be able to distinguish between the various dedicated accounts in an array of dedicated accounts.
dedicatedAccountValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>It indicates that the balance is in the first currency.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p>



Parameter	Type	Occurrence	Description
dedicatedAccountValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>It indicates that the balance is in the second currency.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p>
expiryDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	<p>The expiry date for a dedicated account.</p> <p>Element Value Range: DateMin to DateMax or DateInfinite</p>
startDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	<p>The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used.</p> <p>Element Value Range: DateMin to DateMax or DateBeginningOfTime</p>
pamServiceID	Integer, 0 - 99	Optional (0-1)	The id of the periodic account management service.
offerID	Integer, 1 - 2147483647	Optional (0-1)	The identity of an offer.
productID	Integer, 0 - 2147483647	Optional (0-1)	<p>The identity of a product.</p> <p>Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.</p>
closestExpiryDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	<p>The date when the next sub dedicated account(s) will expire, this include both active and inactive sub dedicated accounts.</p> <p>DateToday to DateMax</p>



Parameter	Type	Occurrence	Description
closestExpiryValue1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The balance of the sub dedicated account(s) with the closest expiry date, this include both active and in active sub dedicated accounts.</p> <p>It indicates the balance of the first currency.</p> <p>If the unit type is other than money the closestExpiryValue1 contains the amount of the valid units and closestExpiryValue2 is omitted.</p>
closestExpiryValue2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The balance of the sub dedicated account(s) with the closest expiry date, this include both active and in active sub dedicated accounts.</p> <p>It indicates the balance of the second currency.</p> <p>If the unit type is other than money the closestExpiryValue1 contains the amount of the valid units and closestExpiryValue2 is omitted.</p>
closestAccessibleDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	<p>The date when the next sub dedicated account(s) will be accessible. This parameter is only valid for composite dedicated accounts.</p> <p>DateToday to DateMax</p>
closestAccessibleValue1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The balance of the sub dedicated account(s) with the closest start date. This parameter is only valid for composite dedicated accounts.</p> <p>It indicates the balance in the first currency.</p> <p>If the unit type is other than money the closestAccessibleValue1 contains the sum of the valid units and closestAccessibleValue2 is omitted.</p>
closestAccessibleValue2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The balance of the sub dedicated account(s) with the closest start date. This parameter is only valid for composite dedicated accounts.</p> <p>It indicates the balance in the second currency.</p> <p>If the unit type is other than money the closestAccessibleValue1 contains the sum of the valid units and closestAccessibleValue2 is omitted.</p>
subDedicatedAccountInformation	Sub-MO	Optional (0-n)	Balances and dates for sub dedicated accounts.



Parameter	Type	Occurrence	Description
dedicatedAccountValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>It indicates that the balance is in the first currency.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p>
dedicatedAccountValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>It indicates that the balance is in the second currency.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p>
startDate	<p>DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ</p> <p>TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00</p>	Optional (0-1)	<p>The expiry date for a dedicated account.</p> <p>Element Value Range: DateMin to DateMax or DateInfinite</p>



Parameter	Type	Occurrence	Description
expiryDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11- 24T23:59:59+08:00	Optional (0-1)	The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used. Element Value Range: DateMin to DateMax or DateBeginningOfTime
dedicatedAccountActiveValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	This parameter contains a dedicated account balance that can be consumed right now. This is not taking in consideration any ongoing chargeable events. The active value is only valid for composite dedicated account as they can have resources that becomes accessible later. It indicates that the balance is in the first currency. If the unit type is other than money the dedicatedAccountActiveValue1 contains the sum of the valid units and dedicatedAccountActiveValue2 is omitted.
dedicatedAccountActiveValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	This parameter contains a dedicated account balance that can be consumed right now. This is not taking in consideration any ongoing chargeable events. The active value is only valid for composite dedicated account as they can have resources that becomes accessible later. It indicates that the balance is in the second currency. If the unit type is other than money the dedicatedAccountActiveValue1 contains the sum of the valid units and dedicatedAccountActiveValue2 is omitted.
dedicatedAccountUnitType	Integer, 0 - 6 0 = The account contains time. 1 = The account contains money. 2 - 4 = The account contains total octets (Not used, reserved for future use). 5 = The account contains service specific units. 6 = The account contains volume.	Optional (0-1)	The unit of the dedicated account values and is mandatory if the function "multi unit" is active, in other case it is optional.
compositeDedicatedAccountFlag	Boolean { 1 }	Optional (0-1)	This flag indicates that a dedicated account is a composite dedicated account. It is used to identify a composite dedicated account that does not have any sub dedicated accounts.



Parameter	Type	Occurrence	Description
supervisionExpiryDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The expiry date of the supervision period.
serviceFeeExpiryDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The expiry date of the service fee period.
creditClearanceDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	Date when the credit clearance period will expire.
serviceRemovalDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	Date when the account will be removed after the service removal period has expired.
languageIDCurrent	Integer, 1 - 4 1 = Operator specific language 1 2 = Operator specific language 2 3 = Operator specific language 3 4 = Operator specific language 4	Optional (0-n)	The preferred language of subscriber.
temporaryBlockedFlag	Boolean {0, 1} 0 (false) = Default value. Unblocked 1 (true) = Temporary blocked	Optional (0-1)	Indicate whether the subscriber and operator has access to subscriber and account data. A temporary blocked subscriber does not have access to the account, and any messages requesting changes in the account or subscriber data are rejected. Therefore in case temporary blocked is set, a temporary blocked indication is set in the response code of the response message and the action is rejected. It is always possible to read data, but the only way to change data again is to unblock the subscriber.
chargingResultInformation		Optional (0-1)	Information for a charged end user communication event.



Parameter	Type	Occurrence	Description
cost1	String, -999 999 999 999 to 999 999 999 999 price	Optional (0-1)	The cost for an event. It indicates a cost in the first currency.
currency1	String, ISO 4217 standard	Optional (0-1)	The first currency to be presented to the end user.
cost2	String, -999 999 999 999 to 999 999 999 999 price	Optional (0-1)	The cost for an event. It indicates a cost in the second currency.
currency2	String, ISO 4217 standard	Optional (0-1)	The second currency to be presented to the end user.
chargingResultCode	Integer, 0 - 2 0 = or not present Successful 1 = No charge (free counter stepped) 2 = No charge (free counter not stepped)	Optional (0-1)	Information related to a charged event.
reservationCorrelationID	Integer, 0 - 2147483647	Optional (0-1)	The id needed to correlate a reservation.
chargingResultInformationService		Optional (0-1)	Result information regarding a service for a charged end user communication event
cost1	String, -999 999 999 999 to 999 999 999 999 price	Optional (0-1)	The cost for an event. It indicates a cost in the first currency.
cost2	String, -999 999 999 999 to 999 999 999 999 price	Optional (0-1)	The cost for an event. It indicates a cost in the second currency.
accountFlagsAfter		Optional (0-1)	Life cycle state flags of the account, indicating the actual status of the account after.
activationStatusFlag	Boolean, { 0,1 } 0 (false) = Default value. Account is not activated 1 (true) = Account is activated	Optional (0-1)	Indicate whether an account is activated or not.
negativeBarringStatusFlag	Boolean { 0,1 } 0 (false) = Default value. Account is not barred due to negative balance. 1 (true) = Account is barred due to negative balance.	Optional (0-1)	Indicate whether an account is barred due to negative balance or not.
supervisionPeriodWarningActiveFlag	Boolean, { 0,1 } 0 (false) = Default value. Supervision period date expiration warning not active. 1 (true) = Supervision period date expiration warning active.	Optional (0-1)	Indicate whether the supervision period date expiration warning is active or not.



Parameter	Type	Occurrence	Description
serviceFeePeriodWarningActiveFlag	Boolean, { 0,1 } 0 (false) = Default value. Service fee period date expiration warning not active. 1 (true) = Service fee period date expiration warning active	Optional (0-1)	Indicate whether the service fee period date expiration warning is active or not.
supervisionPeriodExpiryFlag	Boolean, { 0,1 } 0 (false) = Default value. Supervision period date has not expired. 1 (true) = Supervision period date has expired.	Optional (0-1)	Indicate whether the supervision period date has expired or not.
serviceFeePeriodExpiryFlag	Boolean, { 0,1 } 0 (false) = Default value. Service fee period date has not expired. 1 (true) = Service fee period date has expired.	Optional (0-1)	Indicate whether the service fee period date has expired or not.
accountFlagsBefore		Optional (0-1)	Life cycle state flags of the account, indicating the actual status of the account before.
activationStatusFlag	Boolean, { 0,1 } 0 (false) = Default value. Account is not activated 1 (true) = Account is activated	Optional (0-1)	Indicate whether an account is activated or not.
negativeBarringStatusFlag	Boolean { 0,1 } 0 (false) = Default value. Account is not barred due to negative balance. 1 (true) = Account is barred due to negative balance.	Optional (0-1)	Indicate whether an account is barred due to negative balance or not.
supervisionPeriodWarningActiveFlag	Boolean, { 0,1 } 0 (false) = Default value. Supervision period date expiration warning not active. 1 (true) = Supervision period date expiration warning active.	Optional (0-1)	Indicate whether the supervision period date expiration warning is active or not.
serviceFeePeriodWarningActiveFlag	Boolean, { 0,1 } 0 (false) = Default value. Service fee period date expiration warning not active. 1 (true) = Service fee period date expiration warning active	Optional (0-1)	Indicate whether the service fee period date expiration warning is active or not.



Parameter	Type	Occurrence	Description
supervisionPeriodExpiryFlag	Boolean, { 0,1 } 0 (false) = Default value. Supervision period date has not expired. 1 (true) = Supervision period date has expired.	Optional (0-1)	Indicate whether the supervision period date has expired or not.
serviceFeePeriodExpiryFlag	Boolean, { 0,1 } 0 (false) = Default value. Service fee period date has not expired. 1 (true) = Service fee period date has expired.	Optional (0-1)	Indicate whether the service fee period date has expired or not.
offerInformation	Sub-MO	Optional (0-n)	Dates (or dates and time) for offers.
offerID	Integer, 0 - 2147483647	Mandatory	The identity of an offer.
startDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used. Value Range: DateMin to DateMax or DateBeginningOfTime
expiryDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The expiry date for a dedicated account, Value Range: DateMin to DateMax or DateInfinite
startDateTime	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The start date and time for an offer. Value Range: DateMin to DateMax or DateBeginningOfTime
expiryDateTime	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The expiry date and time. Value Range: DateMin to DateMax or DateInfinite
pamServiceID	Integer, 0 - 99	Optional (0-1)	The id of the periodic account management service.
offerType	Integer, 0 - 7	Optional (0-1)	The identifies the offer type.



Parameter	Type	Occurrence	Description
offerState	Integer, 0 - 99 0 = Enabled offer state 1 = Disabled offer state 2-99 = Reserved for future use	Optional (0-1)	Specifies the actual offer state to return in a GetOfferrequest.
offerProviderID	String, 1 - 28 digits	Optional (0-1)	The subscriber number as represented in the SDP database for the provider.
productID	Integer, 0 - 2147483647	Optional (0-1)	The identity of a product. Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.
usageCounterUsageThresholdInformation	Sub-MO	Optional (0-n)	All active usage counters with their thresholds for a subscriber.
usageCounterID	Integer, 1 - 2147483647	Mandatory	The id of a usage counter.
usageCounterValue	String, 0 - 9 223 372 036 854 775 807 digits	Optional (0-1)	The value of a non-monetary usage counter.
usageCounterNominalValue	String, 0 - 9 223 372 036 854 775 807 digits	Optional (0-1)	The value of a non-monetary usage counter, without any factor.
usageCounterMonetaryValue1	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage counter. It indicates a usage counter amount in the first currency.
usageCounterMonetaryNominalValue1	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage counter, without any factor. It indicates a usage counter amount in the first currency.
usageCounterMonetaryValue2	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage counter. It indicates a usage counter amount in the second currency.
usageCounterMonetaryNominalValue2	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage counter, without any factor. It indicates a usage counter amount in the second currency.
usageThresholdInformation	Sub-MO	Optional (0-n)	All information about a usage threshold. Depending on the usage counted the threshold value is represented either in the usageThresholdValue parameter or the usageThresholdMonetaryValue1 or usageThresholdMonetaryValue2 parameter. The usageThresholdSource parameter can not be updated but is included in responses.
usageThresholdID	Integer, 1 - 2147483647	Mandatory	The ID of a usage threshold.
usageThresholdValue	String, 0 - 9 223 372 036 854 775 807 digits	Optional (0-1)	The value of a non-monetary usage threshold.



Parameter	Type	Occurrence	Description
usageThresholdMonetaryValue1	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage threshold. It indicates a usage threshold amount in the first currency.
usageThresholdMonetaryValue2	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage threshold. It indicates a usage threshold amount in the second currency.
usageThresholdSource	Integer, 1 - 3 1 = Personal - The threshold has been changed to a value other than the usage counter definition and is fetched from the subscriber. 2 = Common - The threshold has been changed to an individual value for a provider shared by all consumers. 3 = Default - The threshold value fetched from the usage counter definition.	Optional (0-1)	The source of a usage threshold.
associatedPartyID	String, 1 - 28 digits	Optional (0-1)	The subscriber identity of the consumer or provider. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes.
associatedPartyID	String, 1 - 28 digits	Optional (0-1)	The subscriber identity of the consumer or provider. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes.
productID	Integer, 0 - 2147483647	Optional (0-1)	The identity of a product. Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.
dedicatedAccountChangeInformation	Sub-MO	Optional (0-n)	Information of changes done to balances and dates for dedicated accounts.
dedicatedAccountID	Integer, 1 - 2147483647	Mandatory	The identity of the dedicated account in order to be able to distinguish between the various dedicated accounts in an array of dedicated accounts.
productID	Integer, 0 - 2147483647	Optional (0-1)	The identity of a product. Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.



Parameter	Type	Occurrence	Description
dedicatedAccountValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p> <p>It indicates the balance in the first currency.</p>
dedicatedAccountValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p> <p>It indicates the balance in the second currency.</p>
expiryDate	<p>DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ</p> <p>TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00</p>	Optional (0-1)	<p>The expiry date for a dedicated account.</p> <p>Element Value Range: DateMin to DateMax or DateInfinite</p>



Parameter	Type	Occurrence	Description
startDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used. Element Value Range: DateMin to DateMax or DateBeginningOfTime
pamServiceID	Integer, 0 - 99	Optional (0-1)	The id of the periodic account management service.
offerID	Integer, 1 - 2147483647	Optional (0-1)	The identity of an offer.
closestExpiryDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date when the next sub dedicated account(s) will expire, this include both active and inactive sub dedicated accounts. DateToday to DateMax
closestExpiryValue1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest expiry date, this include both active and in active sub dedicated accounts. It indicates the balance of the first currency. If the unit type is other than money the closestExpiryValue1 contains the amount of the valid units and closestExpiryValue2 is omitted.
closestExpiryValue2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest expiry date, this include both active and in active sub dedicated accounts. It indicates the balance of the second currency. If the unit type is other than money the closestExpiryValue1 contains the amount of the valid units and closestExpiryValue2 is omitted.
closestAccessibleDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date when the next sub dedicated account(s) will be accessible. This parameter is only valid for composite dedicated accounts. DateToday to DateMax
closestAccessibleValue1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest start date. This parameter is only valid for composite dedicated accounts. It indicates the balance in the first currency. If the unit type is other than money the closestAccessibleValue1 contains the sum of the valid units and closestAccessibleValue2 is omitted.



Parameter		Type	Occurrence	Description
	closestAccessibleValue2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The balance of the sub dedicated account(s) with the closest start date. This parameter is only valid for composite dedicated accounts.</p> <p>It indicates the balance in the second currency.</p> <p>If the unit type is other than money the closestAccessibleValue1 contains the sum of the valid units and closestAccessibleValue2 is omitted.</p>
	dedicatedAccountActiveValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>This parameter contains a dedicated account balance that can be consumed right now. This is not taking in consideration any ongoing chargeable events. The active value is only valid for composite dedicated account as they can have resources that becomes accessible later.</p> <p>It indicates that the balance is in the first currency.</p> <p>If the unit type is other than money the dedicatedAccountActiveValue1 contains the sum of the valid units and dedicatedAccountActiveValue2 is omitted.</p>
	dedicatedAccountActiveValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>This parameter contains a dedicated account balance that can be consumed right now. This is not taking in consideration any ongoing chargeable events. The active value is only valid for composite dedicated account as they can have resources that becomes accessible later.</p> <p>It indicates that the balance is in the second currency.</p> <p>If the unit type is other than money the dedicatedAccountActiveValue1 contains the sum of the valid units and dedicatedAccountActiveValue2 is omitted.</p>
	subDedicatedAccountChannelInformation	Sub-MO	Optional (0-n)	Information about the changes made to a sub dedicated account.
	changedAmount1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The parameter defines changed values on a main or dedicated account.</p> <p>It indicates a changed amount in the first currency.</p> <p>If the unit type is other than money the changedAmount1 contains the amount of the valid units and changedAmount2 is omitted.</p>
	changedAmount2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The parameter defines changed values on a main or dedicated account.</p> <p>It indicates a changed amount in the second currency.</p> <p>If the unit type is other than money the changedAmount1 contains the amount of the valid units and changedAmount2 is omitted.</p>



Parameter				Type	Occurrence	Description
			dedicatedAccountValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p> <p>It indicates the balance in the first currency.</p>
			dedicatedAccountValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p> <p>It indicates the balance in the second currency.</p>
			changedExpiryDate	Integer, -65535 to 65535	Optional (0-1)	<p>The number of days the expiry date for a dedicated account has been changed as a result of the operation. The value is given in number of days.</p>
			newExpiryDate	<p>DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ</p> <p>TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm</p> <p>For example, 2005-11-24T23:59:59+08:00</p>	Optional (0-1)	<p>The new expiry date for a dedicated account.</p>



Parameter			Type	Occurrence	Description
		clearedExpiryDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The previous expiry date for a cleared dedicated account. DateMin to DateMax or DateInfinite
		changedStartDate	Integer, -65535 to 65535	Optional (0-1)	The number of days the start date for a dedicated account has been changed as a result of the operation. The value is given in number of days.
		newStartDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The new start date for a dedicated account. DateMin to DateMax or DateBeginningOfTime
		clearedStartDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The previous start date for a cleared dedicated account. DateMin to DateMax or DateBeginningOfTime
		dedicatedAccountUnitType	Integer, 0 - 6 0 = The account contains time. 1 = The account contains money. 2 - 4 = The account contains total octets (Not used, reserved for future use). 5 = The account contains service specific units. 6 = The account contains volume.	Optional (0-1)	The unit of the dedicated account values and is mandatory if the function "multi unit" is active, in other case it is optional.
		dedicatedAccountInformation	Sub-MO	Optional (0-n)	Balances and dates for dedicated accounts.
		dedicatedAccountID	Integer, 1 - 2147483647	Mandatory	The identity of the dedicated account in order to be able to distinguish between the various dedicated accounts in an array of dedicated accounts.



Parameter	Type	Occurrence	Description
dedicatedAccountValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>It indicates that the balance is in the first currency.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p>
dedicatedAccountValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>It indicates that the balance is in the second currency.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p>
expiryDate	<p>DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ</p> <p>TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00</p>	Optional (0-1)	<p>The expiry date for a dedicated account.</p> <p>Element Value Range: DateMin to DateMax or DateInfinite</p>



Parameter	Type	Occurrence	Description
startDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used. Element Value Range: DateMin to DateMax or DateBeginningOfTime
pamServiceID	Integer, 0 - 99	Optional (0-1)	The id of the periodic account management service.
offerID	Integer, 1 - 2147483647	Optional (0-1)	The identity of an offer.
productID	Integer, 0 - 2147483647	Optional (0-1)	The identity of a product. Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.
closestExpiryDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date when the next sub dedicated account(s) will expire, this include both active and inactive sub dedicated accounts. DateToday to DateMax
closestExpiryValue1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest expiry date, this include both active and in active sub dedicated accounts. It indicates the balance of the first currency. If the unit type is other than money the closestExpiryValue1 contains the amount of the valid units and closestExpiryValue2 is omitted.
closestExpiryValue2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest expiry date, this include both active and in active sub dedicated accounts. It indicates the balance of the second currency. If the unit type is other than money the closestExpiryValue1 contains the amount of the valid units and closestExpiryValue2 is omitted.
closestAccessibleDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date when the next sub dedicated account(s) will be accessible. This parameter is only valid for composite dedicated accounts. DateToday to DateMax



Parameter			Type	Occurrence	Description
		closestAccessibleValue1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The balance of the sub dedicated account(s) with the closest start date. This parameter is only valid for composite dedicated accounts.</p> <p>It indicates the balance in the first currency.</p> <p>If the unit type is other than money the closestAccessibleValue1 contains the sum of the valid units and closestAccessibleValue2 is omitted.</p>
		closestAccessibleValue2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The balance of the sub dedicated account(s) with the closest start date. This parameter is only valid for composite dedicated accounts.</p> <p>It indicates the balance in the second currency.</p> <p>If the unit type is other than money the closestAccessibleValue1 contains the sum of the valid units and closestAccessibleValue2 is omitted.</p>
		subDedicatedAccountInformation	Sub-MO	Optional (0-n)	Balances and dates for sub dedicated accounts.
		dedicatedAccountValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>It indicates that the balance is in the first currency.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p>



Parameter	Type	Occurrence	Description
dedicatedAccountValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>It indicates that the balance is in the second currency.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p>
startDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	<p>The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used.</p> <p>Element Value Range: DateMin to DateMax or DateBeginningOfTime</p>
expiryDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	<p>The expiry date for a dedicated account.</p> <p>Element Value Range: DateMin to DateMax or DateInfinite</p>
dedicatedAccountActiveValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>This parameter contains a dedicated account balance that can be consumed right now. This is not taking in consideration any ongoing chargeable events. The active value is only valid for composite dedicated account as they can have resources that becomes accessible later.</p> <p>It indicates that the balance is in the first currency.</p> <p>If the unit type is other than money the dedicatedAccountActiveValue1 contains the sum of the valid units and dedicatedAccountActiveValue2 is omitted.</p>



Parameter	Type	Occurrence	Description
dedicatedAccountActiveValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>This parameter contains a dedicated account balance that can be consumed right now. This is not taking in consideration any ongoing chargeable events. The active value is only valid for composite dedicated account as they can have resources that becomes accessible later.</p> <p>It indicates that the balance is in the second currency.</p> <p>If the unit type is other than money the dedicatedAccountActiveValue1 contains the sum of the valid units and dedicatedAccountActiveValue2 is omitted.</p>
dedicatedAccountUnitType	Integer, 0 - 6 0 = The account contains time. 1 = The account contains money. 2 - 4 = The account contains total octets (Not used, reserved for future use). 5 = The account contains service specific units. 6 = The account contains volume.	Optional (0-1)	The unit of the dedicated account values and is mandatory if the function "multi unit" is active, in other case it is optional.
compositeDedicatedAccountFlag	Boolean { 1 }	Optional (0-1)	Indicate that a dedicated account is a composite dedicated account. It is used to identify a composite dedicated account that does not have any sub dedicated accounts
attributeInformation	Sub-MO	Optional (0-n)	<p>Contains information about attributes.</p> <p>It will be returned as response to GetAccountDetails, GetBalanceAndDate, GetOffers and Refill if requested with requestAttributesFlag and if any attributes exist that have a value. attributeInformation will also be included as response to DeleteOffer and DeleteSubscriber if any attributes is removed. For UpdateOffer response, attributeInformation will include all attributes that have values.</p>
attributeName	String, 1 - 128 characters	Mandatory	The name of the attribute.
attributeValueString	String, 1 - 128 extended characters Extended characters which allows all US-ASCII values from 32 to 126 (hexadecimal 0x20 to 0x7e).	Optional (0-1)	The string value of an attribute.



Parameter			Type	Occurrence	Description
		attributeValueDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date value of an attribute. DateMin to DateMax or DateInfinite
		attributeValueDecimal		Optional (0-1)	Information about a decimal value.
		attributeValueNumber	String, -999 999 999 999 999 to 999 999 999 999 999 SignedNumeric	Mandatory	The parameter contains up to 15 significant digits that together with the numberOfDecimals parameter forms a decimal number. There is no decimal sign included in this parameter.
		numberOfDecimals	Integer, 0 - 15	Mandatory	The parameter forms together with attributeValue Number a decimal number. The parameter contains information about where to put the decimal sign counted in positions from the right.
		attributeValueInteger	Integer, -2147483648 to 2147483647	Optional (0-1)	Contains the integer value of an attribute.
		attributeSource	Integer, 1 - 255 1 = Default value from definition 2 - 255 = Reserved for future use	Optional (0-1)	Contains the source from where the attribute is fetched. Default (parameter is not included) means the attribute is stored on the entity provisioned for a subscriber.
		treeParameterSetInformation	Sub-MO	Optional (0-n)	Contains information about treeParameterSets divided per tree names It is returned as response to GetAccountDetails, GetBalanceAndDate and GetOffers if requested with requestTreeParameterSetsFlag and if any attributes exist that have a value. It is also included as response to DeleteOffer and DeleteSubscriber if any attributes is removed. For UpdateOffer response, it includes all attributes that have values.
		serviceProvider	Integer, 1 - 6 1: Rating template 2: Policy rule determination template 3: Product notification template 4: Product fee template 5: Product provision template 6: Quota determination template	Optional (0-1)	Contains the service provider which is the type of treeParameter.



Parameter				Type	Occurrence	Description
			treeParameterInformation	Sub-MO	Optional (0-n)	Contains information about a treeParameter.
			treeParameterName	String, 1 - 128 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash).	Optional (0-1)	Contains the name of the tree parameter.
			treeParameterValueString	String, 1 - 128 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash).	Optional (0-1)	Contains the string value of a tree parameter.
			treeParameterValueDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	Contains the date value of a tree parameter.
			treeParameterValueDecimal	Sub-MO	Optional (0-n)	Contains information about a decimal value. It is enclosed in a <struct> of its own. The structure contains one parameter treeParameterValueNumber containing the significant digits and a numberOfDecimals part telling how many decimals that are used.
			treeParameterValueNumber	String, -999 999 999 999 999 to 999 999 999 999 999 SignedNumeric	Mandatory	Contains up to 15 significant digits that together with the numberOfDecimals parameter forms a decimal number. There is no decimal sign included in this parameter.
			numberOfDecimals	Integer, 0 - 15	Mandatory	Contains information about where to put the decimal sign counted in positions from the right and forms together with attributeValueNumber a decimal number.
			treeParameterValueInteger	String, -9223372036854775807 to 9223372036854775807 SignedNumeric	Optional (0-1)	Contains the integer value of a tree parameter.
			treeParameterValueSchedule		Optional (0-1)	Contains values for a schedule event.
			scheduledFrequency	Integer, 1 - 7	Mandatory	Contains the frequency of the schedule (monthly, weekly, daily etc). 1: Yearly 2: Monthly 3: Weekly 4: Daily 5: Hourly 6: Minutely 7: Secondly



Parameter				Type	Occurrence	Description
			scheduledInterval	Integer, 1 - 99999	Optional (0-1)	Contains the interval of the schedule (For example every week, every second, every month, etc.).
			scheduledMonth	Integer, 1 - 12	Optional (0-n)	Contains the number of month for the schedule.
			scheduledDayOfMonth	Integer, -1 - 31	Optional (0-n)	Contains the number of the days of month for the schedule. Value -1 means last day of month.
			scheduledDayOfWeek	Integer, 1 - 7	Optional (0-n)	Contains the week day for the schedule. 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday
			scheduledHour	Integer, 0 - 23	Optional (0-1)	Contains the time (hour) for the schedule.
			scheduledMinute	Integer, 0 - 59	Optional (0-1)	Contains the time (minute) for the schedule.
			scheduledSecond	Integer, 0 - 59	Optional (0-1)	Contains the time (second) for the schedule.
			treeParameterValueDayOfWeek	Integer, 0 - 7	Optional (0-1)	Contains the value of day of week of a tree parameter. 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday
			treeParameterValueDateRange		Optional (0-1)	The struct is used to define the range of dates valid for a tree parameter. It contains two dates in a sequence to specify the range needed for tree parameter.
			treeParameterStartDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Mandatory	Contains the initial date of range applied for a tree parameter.



Parameter				Type	Occurrence	Description
			treeParameterEndDate	DateTime.iso8601: YYYY-MM-DDThh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Mandatory	Contains the final date of range applied for a tree parameter.
			treeParameterValueTime	String, 1 - 8 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash)	Optional (0-1)	Contains the value of time applied for a tree parameter.
			treeParameterSource	Integer, 1 - 2 1: Tree parameter value fetched from the offer definition 2: Tree parameter fetched from the template tree definition	Optional (0-1)	Contains the source where the tree parameter is fetched. Default (parameter is not included) means the tree parameter is stored on the entity provisioned for a subscriber.
			associatedPartyID	String, 1 - 28 digits	Optional (0-1)	The subscriber identity of the consumer or provider. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes.
			productOfferingName	String, 1 - 128 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash)	Optional (0-n)	Contains the identity of a product offering.
			accountPrepaidEmptyLimit1	String, -999 999 999 999 to 999 999 999 999	Optional (0-1)	The lowest allowed balance on an account. It indicates an account balance in the first currency
			accountPrepaidEmptyLimit2	String, -999 999 999 999 to 999 999 999 999	Optional (0-1)	The lowest allowed balance on an account. It indicates an account balance in the second currency
			fafList		Optional (0-1)	Family and Friends List.
			fafInformation		Optional (0-1)	The information of Family and Friends.
			fafNumber	tring, 1 - 30 digits	Mandatory	A Family and Friends number
			owner	String Enumeration value="Subscriber" Enumeration value="Account"	Mandatory	Indicate whether the data is attached to the account or subscriber.
			fafIndicator	Integer, 1 - 65535	Optional (0-1)	This parameter is used for differentiated rating for traffic events to and from numbers in the Family and Friends (FaF) number list.



Parameter	Type	Occurrence	Description
exactMatch	Boolean { 0, 1 } 0 = Default value. Match faf number partially. 1 = Match faf number exactly.	Optional (0-1)	Indicate whether the faf number should be matched partial or exact.
fafChangeUnbarrDate	DateTime.iso8601	Optional (0-1)	The date when a family and friends change is allowed again. DateTomorrow to DateMax
fafMaxAllowedNumbersReachedFlag	Boolean, {0, 1} 0 (false) = Default value. Maximum number of allowed FaF numbers is not reached. 1 (true) = Maximum number of allowed FaF numbers is reached.	Optional (0-1)	A flag indicating that it's not allowed to add more FaF numbers to the FaF-list for this subscriber.
fafChargingNotAllowedFlag	Boolean, {0, 1} 0 (false) = Default value. Charged FaF administration is allowed for service class. 1 (true) = Charged FaF administration is not allowed for service class.	Optional (0-1)	Indicate that charged Family and Friends (FaF) administration is not allowed for the current service class.
promotionPlans		Optional (0-1)	It returns the promotion plans allocated to the subscribers account.
originOperatorID	String, 1 - 255 characters	Optional (0-1)	The identity of the system user or the session from where the operation was initiated. It might be used for security management or logging purposes for an example.
promotionPlanInformation		Optional (0-1)	The information of promotion plan.
promotionPlanID	String, 1 - 4	Mandatory	The identity of one of the current promotion plans of a subscriber.
promotionStartDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Mandatory	Start date of the associated promotion plan.
promotionEndDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Mandatory	End date of the associated promotion plan.
refillOptions	Integer, 1- 999	Optional (0-1)	It contains the value of a refill option



Parameter	Type	Occurrence	Description
serviceClassCurrent	Integer, 0 - 9999	Mandatory	The service class currently used by the subscriber.
refillOptions	Integer, 1- 999	Mandatory	It contains the value of a refill option
accountFlagsAfter		Optional (0-1)	Life cycle state flags of the account, indicating the actual status of the account after.
activationStatusFlag	Boolean, { 0,1 } 0 (false) = Default value. Account is not activated 1 (true) = Account is activated	Optional (0-1)	Indicate whether an account is activated or not.
negativeBarringStatusFlag	Boolean { 0,1 } 0 (false) = Default value. Account is not barred due to negative balance. 1 (true) = Account is barred due to negative balance.	Optional (0-1)	Indicate whether an account is barred due to negative balance or not.
supervisionPeriodWarningActiveFlag	Boolean, { 0,1 } 0 (false) = Default value. Supervision period date expiration warning not active. 1 (true) = Supervision period date expiration warning active.	Optional (0-1)	Indicate whether the supervision period date expiration warning is active or not.
serviceFeePeriodWarningActiveFlag	Boolean, { 0,1 } 0 (false) = Default value. Service fee period date expiration warning not active. 1 (true) = Service fee period date expiration warning active	Optional (0-1)	Indicate whether the service fee period date expiration warning is active or not.
supervisionPeriodExpiryFlag	Boolean, { 0,1 } 0 (false) = Default value. Supervision period date has not expired. 1 (true) = Supervision period date has expired.	Optional (0-1)	Indicate whether the supervision period date has expired or not.
serviceFeePeriodExpiryFlag	Boolean, { 0,1 } 0 (false) = Default value. Service fee period date has not expired. 1 (true) = Service fee period date has expired.	Optional (0-1)	Indicate whether the service fee period date has expired or not.
accountFlagsBefore		Optional (0-1)	Life cycle state flags of the account, indicating the actual status of the account before.



Parameter	Type	Occurrence	Description
activationStatusFlag	Boolean, { 0,1 } 0 (false) = Default value. Account is not activated 1 (true) = Account is activated	Optional (0-1)	Indicate whether an account is activated or not.
negativeBarringStatusFlag	Boolean { 0,1 } 0 (false) = Default value. Account is not barred due to negative balance. 1 (true) = Account is barred due to negative balance.	Optional (0-1)	Indicate whether an account is barred due to negative balance or not.
supervisionPeriodWarningActiveFlag	Boolean, { 0,1 } 0 (false) = Default value. Supervision period date expiration warning not active. 1 (true) = Supervision period date expiration warning active.	Optional (0-1)	Indicate whether the supervision period date expiration warning is active or not.
serviceFeePeriodWarningActiveFlag	Boolean, { 0,1 } 0 (false) = Default value. Service fee period date expiration warning not active. 1 (true) = Service fee period date expiration warning active	Optional (0-1)	Indicate whether the service fee period date expiration warning is active or not.
supervisionPeriodExpiryFlag	Boolean, { 0,1 } 0 (false) = Default value. Supervision period date has not expired. 1 (true) = Supervision period date has expired.	Optional (0-1)	Indicate whether the supervision period date has expired or not.
serviceFeePeriodExpiryFlag	Boolean, { 0,1 } 0 (false) = Default value. Service fee period date has not expired. 1 (true) = Service fee period date has expired.	Optional (0-1)	Indicate whether the service fee period date has expired or not.
usageThresholdsAndCounters		Optional (0-1)	Information of active usage thresholds and usage counters for a subscriber.
originOperatorID	String, 1 - 255 characters	Optional (0-1)	The identity of the system user or the session from where the operation was initiated. It might be used for security management or logging purposes for an example.
currency1	String, Currency	Optional (0-1)	The first currency to be presented to the end user.
currency2	String, Currency	Optional (0-1)	The second currency to be presented to the end user.



Parameter	Type	Occurrence	Description
usageCounterUsageThresholdInformation	Sub-MO	Optional (0-n)	All active usage counters with their thresholds for a subscriber.
usageCounterID	Integer, 1 - 2147483647	Mandatory	The id of a usage counter.
usageCounterValue	String, 0 - 9 223 372 036 854 775 807 digits	Optional (0-1)	The value of a non-monetary usage counter.
usageCounterNominalValue	String, 0 - 9 223 372 036 854 775 807 digits	Optional (0-1)	The value of a non-monetary usage counter, without any factor.
usageCounterMonetaryValue1	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage counter. It indicates a usage counter amount in the first currency.
usageCounterMonetaryNominalValue1	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage counter, without any factor. It indicates a usage counter amount in the first currency.
usageCounterMonetaryValue2	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage counter. It indicates a usage counter amount in the second currency.
usageCounterMonetaryNominalValue2	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage counter, without any factor. It indicates a usage counter amount in the second currency.
usageThresholdInformation	Sub-MO	Optional (0-n)	All information about a usage threshold. Depending on the usage counted the threshold value is represented either in the usageThresholdValue parameter or the usageThresholdMonetaryValue1 or usageThresholdMonetaryValue2 parameter. The usageThresholdSource parameter can not be updated but is included in responses.
usageThresholdID	Integer, 1 - 2147483647	Mandatory	The ID of a usage threshold.
usageThresholdValue	String, 0 - 9 223 372 036 854 775 807 digits	Optional (0-1)	The value of a non-monetary usage threshold.
usageThresholdMonetaryValue1	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage threshold. It indicates a usage threshold amount in the first currency.
usageThresholdMonetaryValue2	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage threshold. It indicates a usage threshold amount in the second currency.



Parameter	Type	Occurrence	Description
usageThresholdSource	Integer, 1 - 3 1 = Personal - The threshold has been changed to a value other than the usage counter definition and is fetched from the subscriber. 2 = Common - The threshold has been changed to an individual value for a provider shared by all consumers. 3 = Default - The threshold value fetched from the usage counter definition.	Optional (0-1)	The source of a usage threshold.
associatedPartyID	String, 1 - 28 digits	Optional (0-1)	The subscriber identity of the consumer or provider. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes.
associatedPartyID	String, 1 - 28 digits	Optional (0-1)	The subscriber identity of the consumer or provider. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes.
productID	Integer, 0 - 2147483647	Optional (0-1)	The identity of a product. Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.
negotiatedCapabilities	Integer, 0 - 2147483647	Optional (0-n)	Indicate the negotiated capabilities between the client and server node. The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active.
availableServerCapabilities	Integer, 0 - 2147483647	Optional (0-n)	Indicate the available capabilities at the server node. The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active. If only one element is present and is set to 0, no functions after release AIR-IP 5.0 are active, only legacy functionality can be used.



3.3 Examples

3.3.1 Example of Retrieving the Account Details

This section gives an example of the `getSubscription` request and response message. This example shows how to retrieve the account details of a subscriber.

Request Example

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
  xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SessionId>${Properties#sessionId}</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Get>
      <cai3:MOType>Subscription@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>4955897213</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:getSubscription subscriberNumber="4955897213">
          <air:subscriberNumberNAI>1</air:subscriberNumberNAI>
          <air:accountDetails>
            <air:requestAttributesFlag>1</air:requestAttributesFlag>
            <air:requestTreeParameterSetsFlag>1</air:requestTreeParameterSetsFlag>
          </air:accountDetails>
          <air:negotiatedCapabilities>809988676</air:negotiatedCapabilities>
          <air:negotiatedCapabilities>168</air:negotiatedCapabilities>
        </air:getSubscription>
      </cai3:MOAttributes>
    </cai3:Get>
  </soapenv:Body>
</soapenv:Envelope>
```

Example 6 Get Subscription Request Message

Response Example

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3g="http://schemas.ericsson.com/cai3g1.2/">
  <S:Header>
    <cai3g:SessionId>bf64107bff654bdeb82a25a01e260ce6</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <GetResponse xmlns="http://schemas.ericsson.com/cai3g1.2/">
      <MOAttributes>
        <air:getSubscriptionResponse xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
          <air:subscriberNumber>465273152000010005</air:subscriberNumber>
          <air:originTransactionID>1445324795536584705</air:originTransactionID>
          <air:accountDetails>
            <air:firstIVRCallFlag>1</air:firstIVRCallFlag>
            <air:languageIDCurrent>1</air:languageIDCurrent>
            <air:serviceClassCurrent>111</air:serviceClassCurrent>
            <air:ussdEndOfCallNotificationID>0</air:ussdEndOfCallNotificationID>
            <air:accountGroupID>1</air:accountGroupID>
            <air:serviceOfferings>
              <air:serviceOfferingID>1</air:serviceOfferingID>
              <air:serviceOfferingActiveFlag>0</air:serviceOfferingActiveFlag>
            </air:serviceOfferings>
            <air:serviceOfferings>
              <air:serviceOfferingID>2</air:serviceOfferingID>
              <air:serviceOfferingActiveFlag>0</air:serviceOfferingActiveFlag>
            </air:serviceOfferings>
            <air:serviceOfferings>
              <air:serviceOfferingID>3</air:serviceOfferingID>
            </air:serviceOfferings>
          </air:accountDetails>
        </air:getSubscriptionResponse>
      </MOAttributes>
    </GetResponse>
  </S:Body>
</S:Envelope>
```

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```
<air:serviceOfferingActiveFlag>0</air:serviceOfferingActiveFlag>
</air:serviceOfferings>
<air:serviceOfferings>
  <air:serviceOfferingID>23</air:serviceOfferingID>
  <air:serviceOfferingActiveFlag>0</air:serviceOfferingActiveFlag>
</air:serviceOfferings>
<air:serviceOfferings>
  <air:serviceOfferingID>24</air:serviceOfferingID>
  <air:serviceOfferingActiveFlag>0</air:serviceOfferingActiveFlag>
</air:serviceOfferings>
<air:serviceOfferings>
  <air:serviceOfferingID>25</air:serviceOfferingID>
  <air:serviceOfferingActiveFlag>0</air:serviceOfferingActiveFlag>
</air:serviceOfferings>
<air:serviceOfferings>
  <air:serviceOfferingID>26</air:serviceOfferingID>
  <air:serviceOfferingActiveFlag>0</air:serviceOfferingActiveFlag>
</air:serviceOfferings>
<air:serviceOfferings>
  <air:serviceOfferingID>27</air:serviceOfferingID>
  <air:serviceOfferingActiveFlag>0</air:serviceOfferingActiveFlag>
</air:serviceOfferings>
<air:serviceOfferings>
  <air:serviceOfferingID>28</air:serviceOfferingID>
  <air:serviceOfferingActiveFlag>0</air:serviceOfferingActiveFlag>
</air:serviceOfferings>
<air:serviceOfferings>
  <air:serviceOfferingID>29</air:serviceOfferingID>
  <air:serviceOfferingActiveFlag>0</air:serviceOfferingActiveFlag>
</air:serviceOfferings>
<air:serviceOfferings>
  <air:serviceOfferingID>30</air:serviceOfferingID>
  <air:serviceOfferingActiveFlag>0</air:serviceOfferingActiveFlag>
</air:serviceOfferings>
<air:serviceOfferings>
  <air:serviceOfferingID>31</air:serviceOfferingID>
  <air:serviceOfferingActiveFlag>0</air:serviceOfferingActiveFlag>
</air:serviceOfferings>
<air:accountFlags>
  <air:activationStatusFlag>0</air:activationStatusFlag>
  <air:negativeBarringStatusFlag>0</air:negativeBarringStatusFlag>
  <air:supervisionPeriodWarningActiveFlag>
    0</air:supervisionPeriodWarningActiveFlag>
  <air:serviceFeePeriodWarningActiveFlag>
    0</air:serviceFeePeriodWarningActiveFlag>
  <air:supervisionPeriodExpiryFlag>0</air:supervisionPeriodExpiryFlag>
  <air:serviceFeePeriodExpiryFlag>0</air:serviceFeePeriodExpiryFlag>
</air:accountFlags>
<air:masterSubscriberFlag>1</air:masterSubscriberFlag>
<air:masterAccountNumber>465273152000010</air:masterAccountNumber>
<air:promotionPlanID>123</air:promotionPlanID>
<air:promotionStartDate>2015-08-26T12:00:00+00:00</air:promotionStartDate>
<air:promotionEndDate>2016-08-20T12:00:00+00:00</air:promotionEndDate>
<air:serviceRemovalPeriod>0</air:serviceRemovalPeriod>
<air:creditClearancePeriod>0</air:creditClearancePeriod>
<air:maxServiceFeePeriod>100</air:maxServiceFeePeriod>
<air:maxSupervisionPeriod>100</air:maxSupervisionPeriod>
<air:accountFlagsBefore>
  <air:activationStatusFlag>0</air:activationStatusFlag>
  <air:negativeBarringStatusFlag>0</air:negativeBarringStatusFlag>
  <air:supervisionPeriodWarningActiveFlag>
    0</air:supervisionPeriodWarningActiveFlag>
  <air:serviceFeePeriodWarningActiveFlag>
    0</air:serviceFeePeriodWarningActiveFlag>
  <air:supervisionPeriodExpiryFlag>0</air:supervisionPeriodExpiryFlag>
  <air:serviceFeePeriodExpiryFlag>0</air:serviceFeePeriodExpiryFlag>
</air:accountFlagsBefore>
<air:accountPrepaidEmptyLimit1>100</air:accountPrepaidEmptyLimit1>
</air:accountDetails>
<air:negotiatedCapabilities>8192</air:negotiatedCapabilities>
<air:availableServerCapabilities>536879616</air:availableServerCapabilities>
</air:getSubscriptionResponse>
</MOAttributes>
</GetResponse>
</S:Body>
</S:Envelope>
```



Example 7 Get Subscription Response Message

3.3.2

Example of Retrieving the Balance and Date Details

This section gives an example of the `getSubscription` request and response message. This example shows how to retrieve the Balance and Date details of a subscriber.

Request Example

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
  xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SessionId>eld4bebfdd1e49c287654222abe4022a6</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Get>
      <cai3:MOType>Subscription@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000014</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:getSubscription subscriberNumber="465273152000014">
          <air:originNodeType>ADM</air:originNodeType>
          <air:originHostName>node1</air:originHostName>
          <air:originTransactionID>12345</air:originTransactionID>
          <air:originTimeStamp>2015-10-23T12:00:00+00:00</air:originTimeStamp>
          <air:subscriberNumberNAI>1</air:subscriberNumberNAI>
          <air:balanceAndDate>
            <air:messageCapabilityFlag>
              <air:promotionNotificationFlag>0</air:promotionNotificationFlag>
              <air:firstIVRCallSetFlag>0</air:firstIVRCallSetFlag>
              <air:accountActivationFlag>0</air:accountActivationFlag>
            </air:messageCapabilityFlag>
            <air:dedicatedAccountSelection>
              <air:dedicatedAccountIDFirst>1</air:dedicatedAccountIDFirst>
            </air:dedicatedAccountSelection>
            <air:dedicatedAccountSelection>
              <air:dedicatedAccountIDFirst>1</air:dedicatedAccountIDFirst>
              <air:dedicatedAccountIDLast>2</air:dedicatedAccountIDLast>
            </air:dedicatedAccountSelection>
            <air:chargingRequestInformation>
              <air:chargingType>5</air:chargingType>
              <air:chargingIndicator>0</air:chargingIndicator>
              <air:reservationCorrelationID>0</air:reservationCorrelationID>
            </air:chargingRequestInformation>
            <air:requestSubDedicatedAccountDetailsFlag>
              1</air:requestSubDedicatedAccountDetailsFlag>
            <air:requestFirstAccessibleAndExpiredBalanceAndDateFlag>
              1</air:requestFirstAccessibleAndExpiredBalanceAndDateFlag>
            <air:requestActiveOffersFlag>1</air:requestActiveOffersFlag>
            <air:requestAttributesFlag>1</air:requestAttributesFlag>
          </air:balanceAndDate>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
        </air:getSubscription>
      </cai3:MOAttributes>
    </cai3:Get>
  </soapenv:Body>
</soapenv:Envelope>
```

Example 8 Get Subscription Request Message

Response Example



```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3="http://schemas.ericsson.com/cai3gl.2/"
  xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SessionId>e1d4bebfdd1e49c287654222abe4022a6</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Get>
      <cai3:MOTType>Subscription@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOTType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000014</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:getSubscription subscriberNumber="465273152000014">
          <air:originNodeType>ADM</air:originNodeType>
          <air:originHostName>node1</air:originHostName>
          <air:originTransactionID>12345</air:originTransactionID>
          <air:originTimeStamp>2015-10-23T12:00:00+00:00</air:originTimeStamp>
          <air:subscriberNumberNAI>1</air:subscriberNumberNAI>
          <air:balanceAndDate>
            <air:messageCapabilityFlag>
              <air:promotionNotificationFlag>0</air:promotionNotificationFlag>
              <air:firstIVRCallSetFlag>0</air:firstIVRCallSetFlag>
              <air:accountActivationFlag>0</air:accountActivationFlag>
            </air:messageCapabilityFlag>
            <air:dedicatedAccountSelection>
              <air:dedicatedAccountIDFirst>1</air:dedicatedAccountIDFirst>
            </air:dedicatedAccountSelection>
            <air:dedicatedAccountSelection>
              <air:dedicatedAccountIDFirst>1</air:dedicatedAccountIDFirst>
              <air:dedicatedAccountIDLast>2</air:dedicatedAccountIDLast>
            </air:dedicatedAccountSelection>
            <air:chargingRequestInformation>
              <air:chargingType>5</air:chargingType>
              <air:chargingIndicator>0</air:chargingIndicator>
              <air:reservationCorrelationID>0</air:reservationCorrelationID>
            </air:chargingRequestInformation>
            <air:requestSubDedicatedAccountDetailsFlag>
              1</air:requestSubDedicatedAccountDetailsFlag>
            <air:requestFirstAccessibleAndExpiredBalanceAndDateFlag>
              1</air:requestFirstAccessibleAndExpiredBalanceAndDateFlag>
            <air:requestActiveOffersFlag>1</air:requestActiveOffersFlag>
            <air:requestAttributesFlag>1</air:requestAttributesFlag>
          </air:balanceAndDate>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
        </air:getSubscription>
      </cai3:MOAttributes>
    </cai3:Get>
  </soapenv:Body>
</soapenv:Envelope>

```

Example 9 Get Subscription Response Message

3.3.3

Example of Retrieving the Promotion Plan Details

This section gives an example of the `getSubscription` request and response message. This example shows how to retrieve the promotion plan details of a subscriber.

Request Example



```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
  xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SessionId>f62b6df1ff14466e8fc9a0882a2af237</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Get>
      <cai3:MOTType>Subscription@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOTType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000292</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:getSubscription subscriberNumber="465273152000292">
          <air:originNodeType>ADM</air:originNodeType>
          <air:subscriberNumberNAI>1</air:subscriberNumberNAI>
          <air:promotionPlans/>
        </air:getSubscription>
      </cai3:MOAttributes>
    </cai3:Get>
  </soapenv:Body>
</soapenv:Envelope>
```

Example 10 Get Subscription Request Message

Response Example

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3g="http://schemas.ericsson.com/cai3g1.2/">
  <S:Header>
    <cai3g:SessionId>f62b6df1ff14466e8fc9a0882a2af237</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <GetResponse xmlns="http://schemas.ericsson.com/cai3g1.2/">
      <MOAttributes>
        <air:getSubscriptionResponse xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
          <air:subscriberNumber>465273152000292</air:subscriberNumber>
          <air:originTransactionID>14461541312756764732</air:originTransactionID>
          <air:promotionPlans>
            <air:promotionPlanInformation>
              <air:promotionPlanID>2</air:promotionPlanID>
              <air:promotionStartDate>2013-09-26T12:00:00+00:00</air:promotionStartDate>
              <air:promotionEndDate>2015-12-26T12:00:00+00:00</air:promotionEndDate>
            </air:promotionPlanInformation>
          </air:promotionPlans>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
          <air:availableServerCapabilities>809988676</air:availableServerCapabilities>
        </air:getSubscriptionResponse>
      </MOAttributes>
    </GetResponse>
  </S:Body>
</S:Envelope>
```

Example 11 Get Subscription Response Message

3.3.4

Example of Retrieving the Promotion Counters Details

This section gives an example of the `getSubscription` request and response message. This example shows how to retrieve the promotion counters information of a subscriber.

Request Example



```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3="http://schemas.ericsson.com/cai3gl.2/"
  xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SessionId>8fba5eecbd754021a4f6f2c464eac3c3</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Get>
      <cai3:MOType>Subscription@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000001</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:getSubscription subscriberNumber="465273152000001">
          <air:originNodeType>ADM</air:originNodeType>
          <air:originHostName>node1</air:originHostName>
          <air:originTransactionID>12345</air:originTransactionID>
          <air:originTimeStamp>2015-10-23T12:00:00+00:00</air:originTimeStamp>
          <air:subscriberNumberNAI>1</air:subscriberNumberNAI>
          <air:promotionCounters/>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
        </air:getSubscription>
      </cai3:MOAttributes>
    </cai3:Get>
  </soapenv:Body>
</soapenv:Envelope>

```

Example 12 Get Subscription Request Message

Response Example

```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3g="http://schemas.ericsson.com/cai3gl.2/">
  <S:Header>
    <cai3g:SessionId>8fba5eecbd754021a4f6f2c464eac3c3</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <GetResponse xmlns="http://schemas.ericsson.com/cai3gl.2/">
      <MOAttributes>
        <air:getSubscriptionResponse
          xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
          <air:subscriberNumber>465273152000001</air:subscriberNumber>
          <air:originTransactionID>12345</air:originTransactionID>
          <air:promotionCounters>
            <air:currency1>SEK</air:currency1>
          <air:promotionRefillAccumulatedValue1>99999999999</air:promotionRefillAccumulatedValue1>
          <air:promotionRefillCounter>255</air:promotionRefillCounter>
          <air:progressionRefillValue1>99999999999</air:progressionRefillValue1>
          <air:progressionRefillCounter>255</air:progressionRefillCounter>
          <air:promotionCounters>
            <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
          <air:availableServerCapabilities>809988676</air:availableServerCapabilities>
        </air:getSubscriptionResponse>
      </MOAttributes>
    </GetResponse>
  </S:Body>
</S:Envelope>

```

Example 13 Get Subscription Response Message

3.3.5

Example of Retrieving the FaF List

This section gives an example of the `getSubscription` request and response message. This example shows how to retrieve the FaF list information of a subscriber.

Request Example



```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
  xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SessionId>3da2c60a07064e83ac9372e258e6ae5d</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Get>
      <cai3:MOType>Subscription@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000001</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:getSubscription subscriberNumber="465273152000001">
          <air:fafList>
            <air:requestedOwner>3</air:requestedOwner>
          </air:fafList>
        </air:getSubscription>
      </cai3:MOAttributes>
    </cai3:Get>
  </soapenv:Body>
</soapenv:Envelope>
```

Example 14 Get Subscription Request Message

Response Example

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3g="http://schemas.ericsson.com/cai3g1.2/">
  <S:Header>
    <cai3g:SessionId>3da2c60a07064e83ac9372e258e6ae5d</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <GetResponse xmlns="http://schemas.ericsson.com/cai3g1.2/">
      <MOAttributes>
        <air:getSubscriptionResponse
          xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
          <air:subscriberNumber>465273152000001</air:subscriberNumber>
        <air:originTransactionID>14461546553265469772</air:originTransactionID>
        <air:fafList>
          <air:fafInformation>
            <air:fafNumber>0703105001</air:fafNumber>
            <air:owner>Account</air:owner>
            <air:fafIndicator>5004</air:fafIndicator>
          </air:fafInformation>
          <air:fafInformation>
            <air:fafNumber>0703105999</air:fafNumber>
            <air:owner>Subscriber</air:owner>
            <air:fafIndicator>5003</air:fafIndicator>
          </air:fafInformation>
        </air:fafList>
        <air:negotiatedCapabilities>809988676</air:negotiatedCapabilities>
        <air:availableServerCapabilities>809988676</air:availableServerCapabilities>
      </air:getSubscriptionResponse>
    </MOAttributes>
  </GetResponse>
</S:Body>
</S:Envelope>
```

Example 15 Get Subscription Response Message

3.3.6

Example of Retrieving the Refill Options

This section gives an example of the `getSubscription` request and response message. This example shows how to retrieve the Refill Options of a subscriber.



Request Example

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
  xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SessionId>80b8cc5cc20b477dbd3d7e05d3320424</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Get>
      <cai3:MOType>Subscription@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000001</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:getSubscription subscriberNumber="465273152000001">
          <air:refillOptions>
            <air:serviceClassCurrent>0</air:serviceClassCurrent>
          <air:voucherActivationCode>00000000</air:voucherActivationCode>
          <air:messageCapabilityFlag>
            <air:promotionNotificationFlag>1</air:promotionNotificationFlag>
            <air:firstIVRCallSetFlag>1</air:firstIVRCallSetFlag>
            <air:accountActivationFlag>1</air:accountActivationFlag>
          </air:messageCapabilityFlag>
          </air:refillOptions>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
        </air:getSubscription>
      </cai3:MOAttributes>
    </cai3:Get>
  </soapenv:Body>
</soapenv:Envelope>
```

Example 16 Get Subscription Request Message

Response Example

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
  xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SessionId>80b8cc5cc20b477dbd3d7e05d3320424</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Get>
      <cai3:MOType>Subscription@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000001</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:getSubscription subscriberNumber="465273152000001">
          <air:refillOptions>
            <air:serviceClassCurrent>0</air:serviceClassCurrent>
          <air:voucherActivationCode>00000000</air:voucherActivationCode>
          <air:messageCapabilityFlag>
            <air:promotionNotificationFlag>1</air:promotionNotificationFlag>
            <air:firstIVRCallSetFlag>1</air:firstIVRCallSetFlag>
            <air:accountActivationFlag>1</air:accountActivationFlag>
          </air:messageCapabilityFlag>
          </air:refillOptions>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
        </air:getSubscription>
      </cai3:MOAttributes>
    </cai3:Get>
  </soapenv:Body>
</soapenv:Envelope>
```

Example 17 Get Subscription Response Message



3.3.7

Example of Retrieving the Usage Thresholds and Counters

This section gives an example of the `getSubscription` request and response message. This example shows how to retrieve the Usage Thresholds and Counters information of a subscriber.

Request Example

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
  xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SessionId>8762d368b14d408bb9e36ef81a8bfff</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Get>
      <cai3:MOType>Subscription@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000009</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:getSubscription subscriberNumber="465273152000009">
          <air:subscriberNumberNAI>1</air:subscriberNumberNAI>
          <air:usageThresholdsAndCounters>
          </air:usageThresholdsAndCounters>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
        </air:getSubscription>
      </cai3:MOAttributes>
    </cai3:Get>
  </soapenv:Body>
</soapenv:Envelope>
```

Example 18 Get Subscription Request Message

Response Example

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
  xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SessionId>8762d368b14d408bb9e36ef81a8bfff</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Get>
      <cai3:MOType>Subscription@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000009</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:getSubscription subscriberNumber="465273152000009">
          <air:subscriberNumberNAI>1</air:subscriberNumberNAI>
          <air:usageThresholdsAndCounters>
          </air:usageThresholdsAndCounters>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
        </air:getSubscription>
      </cai3:MOAttributes>
    </cai3:Get>
  </soapenv:Body>
</soapenv:Envelope>
```

Example 19 Get Subscription Response Message



3.3.8 Example of Retrieving the Allowed Service Class

This section gives an example of the `getSubscription` request and response message. This example shows how to retrieve the Allowed Service Class details of a subscriber.

Request Example

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SessionId>8298219224044d389372c5850deef8e</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Get>
      <cai3:MOType>Subscription@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000001</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:getSubscription subscriberNumber="465273152000001">
          <air:allowedServiceClasses>
            <air:serviceClassCurrent>100</air:serviceClassCurrent>
          </air:allowedServiceClasses>
        <air:negotiatedCapabilities>809988676</air:negotiatedCapabilities>
      </air:getSubscription>
    </cai3:MOAttributes>
  </cai3:Get>
</soapenv:Body>
</soapenv:Envelope>
```

Example 20 Get Subscription Request Message

Response Example

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3g="http://schemas.ericsson.com/cai3g1.2/">
  <S:Header>
    <cai3g:SessionId>8298219224044d389372c5850deef8e</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <GetResponse xmlns="http://schemas.ericsson.com/cai3g1.2/">
      <MOAttributes>
        <air:getSubscriptionResponse xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
          <air:subscriberNumber>465273152000001</air:subscriberNumber>
        <air:originTransactionID>14462116962525038412</air:originTransactionID>
        <air:allowedServiceClasses>
          <air:serviceClassCurrent>111</air:serviceClassCurrent>
        </air:allowedServiceClasses>
        <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
      <air:availableServerCapabilities>809988676</air:availableServerCapabilities>
    </air:getSubscriptionResponse>
  </MOAttributes>
</GetResponse>
</S:Body>
</S:Envelope>
```

Example 21 Get Subscription Response Message



4 Set AIR Subscription

This section covers the AIR command `SetSubscription`.

MOType

`Subscription@http://schemas.ericsson.com/ma/CS/AIR/`

4.1 Request Data

4.1.1 Parameters

MOId

Table 12 Set Subscription MOId

Parameter	Type	Occurrence	Description
subscriberNumber	String, 1 - 28 digits	Mandatory	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by subscriberNumberNAI parameter.

MOAttributes

Table 13 covers the parameters that can be used in a `setSubscription` request.

**Table 13 Set Subscription Parameter**

Parameter	Type	Occurrence	Description
originNodeType	String Enumeration value="EXT" Enumeration value="AIR" Enumeration value="ADM" Enumeration value="UGW" Enumeration value="IVR" Enumeration value="OGW" Enumeration value="SDP"	Optional (0-1)	<p>The parameter contains the origin node type that is set by AIR or provided by an external network element. It contains the type of the logical node from where the operation originated. External network elements are not allowed to use the reserved names on network element types, (except EXT).</p> <p>Network Element Type:</p> <p>EXT: External system</p> <p>AIR: Account information and refill</p> <p>ADM: Administrative system</p> <p>UGW: USSD gateway</p> <p>IVR : Interactive voice response system</p> <p>OGW: On-line gateway</p> <p>SDP: Service data point</p> <p>If this parameter is absent from the request, Dynamic Activation will generate "ADM" as the parameter to NEs.</p>
originHostName	String, 1 - 255 characters	Optional (0-1)	<p>The identifier string for the host where the operation originated from. The host name shall be unique within the network for a given network element type.</p> <p>If this parameter is absent from the request, Dynamic Activation will generate a node name, which the character "-" replaced by "" as the parameter to NEs.</p>



Parameter	Type	Occurrence	Description
originTransactionID	String, 0 - 9999 9999 9999 9999 9999 digits Each digit is 0-9	Optional (0-1)	<p>The Unique identifier for the transaction, generated by the system it was initiated from.</p> <p>The value in this parameter must be unique per operation and can be a sequence number. An operation in this case is for example a refill.</p> <p>If this parameter is absent from the request, Dynamic Activation will generate System time milliseconds plus seven random digital numbers as the parameter to NEs.</p>
originTimeStamp	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	<p>The date and time of sending the request by the entity that initiated the operation.</p> <p>If this parameter is absent from the request, Dynamic Activation will generate system time plus the default "+0100" or the configured <i>ChargingTimeZone</i> value in Activation Logic as the parameter to NEs. Refer to <i>User Guide for Resource Activation</i>, Reference [4] for details of Activation Logic</p>
subscriberNumberNAI	Integer, 0 - 2 0 = National number (with prefix) 1 = International number 2 = National significant number (without prefix)	Optional (0-1)	<p>The Nature of Address Indicator identifies the format of the subscriberNumber parameter.</p>
originOperatorID	String, 1 - 255 characters	Optional (0-1)	<p>The identity of the system user or the session from where the operation was initiated. It might be used for security management or logging purposes for an example.</p> <p>If this parameter is absent from the request, Dynamic Activation will generate the default "operator" or the configured <i>OriginOperatorId</i> value in Activation Logic as the parameter to NEs. Refer to <i>User Guide for Resource Activation</i>, Reference [4] for details of Activation Logic configure.</p>



Parameter	Type	Occurrence	Description
accountDetails	Sub-MO	Optional (0-1)	A list of the account details.
accountPrepaidEmptyLimitAction	String Enumeration value="SET" Enumeration value="DELETE"	Optional (0-1)	This parameter contains the requested action for changing the Account Prepaid Empty Limit. SET = Update the Account Prepaid Empty Limit. DELETE = Delete the Account Prepaid Empty Limit.
messageCapabilityFlag	Sub-MO	Optional (0-1)	The possible actions that may be performed on the account due to an operation initiated over this protocol.
promotionNotificationFlag	Boolean { 0, 1 } 0 (false) = Default value. Promotion notification code will not be cleared after delivery in response. 1 (true) = Promotion notification code will be cleared after delivery in response.	Optional (0-1)	Indicate whether the promotion notification code shall be cleared or not after delivery in response.
firstIVRCallSetFlag	Boolean { 0, 1 } 0 (false) = Do not set first IVR call done flag. 1 (true) = Set first IVR call done flag.	Optional (0-1)	Indicate whether the first IVR call done flag shall be set or not.



Parameter	Type	Occurrence	Description
accountActivationFlag	<p>Boolean { 0, 1 }</p> <p>0 (false) = Default value. Pre-activated accounts will not be activated due to the request. Account can however be activated if service fee and supervision expiry dates are set as a result of this request. In this case neither the initial balance nor the life-cycle dates from the pre-activation configuration will not be given.</p> <p>1 (true) = Pre-activated accounts may be activated due to the request. If service fee and supervision expiry dates are explicitly received in the request these days will be used and initial balance will be applied (but no additional days from the pre-activation configuration will be given). If service fee and supervision expiry dates are not explicitly set in the request initial life-cycle days and initial balance is applied.</p>	Optional (0-1)	Indicate whether pre-activated accounts can be or cannot be activated due to the request. The possibility to activate a pre-activated account by this flag is configured in the account databases service class configuration. This results in that even if the flag is set to true the account may not be activated.
languageIDNew	<p>Integer, 1 - 4</p> <p>1 = Operator specific language 1</p> <p>2 = Operator specific language 2</p> <p>3 = Operator specific language 3</p> <p>4 = Operator specific language 4</p>	Optional (0-1)	The new preferred language of the subscriber.
firstIVRCallDoneFlag	<p>Boolean { 1 }</p> <p>1 (true) = First IVR call has been done.</p>	Optional (0-1)	Indicate that the first IVR call has been done.
externalData1	String, 1 - 128	Optional (0-1)	A spare parameter for customizations to include in data records.
externalData2	String, 1 - 128	Optional (0-1)	A spare parameter for customizations to include in data records.
accountHomeRegion	Integer, 0 - 999	Optional (0-1)	<p>The home region for the account.</p> <p>Zero means no home region set.</p>



Parameter	Type	Occurrence	Description
ussdEndOfCallNotificationID	Integer, 0 - 255 0–199 = As defined in the tariff trees 200–254 = Reserved 255 = No ID assigned (clears previously assigned ID)	Optional (0-1)	This parameter identifies which decision tree to use, when selecting the appropriate USSD text string for the End of Call Notification message to the subscriber.
languageIDCurrent	Integer, 1 - 4 1 = Operator specific language 1 2 = Operator specific language 2 3 = Operator specific language 3 4 = Operator specific language 4	Optional (0-1)	The preferred language of subscriber.
transactionCurrency	String, currency	Optional (0-1)	The ID to point out what currency is used for the transaction. For example, SEK, EUR, USD, etc.
accountPrepaidEmptyLimit	String, -999 999 999 999 to 999 999 999 999 price	Optional (0-1)	This parameter is used to set a lowest allowed balance on an account.
periodicAccountManagementData	Sub-MO	Optional (0-n)	Periodic account management data for a subscriber.
pamServiceID	Integer, 0 - 99	Optional (0-1)	The id of the periodic account management service.
pamClassID	Integer, 0 - 9999	Optional (0-1)	The periodic account management class used by the periodic account management service.
scheduleID	Integer, 0 - 9999	Optional (0-1)	The schedule that is used by the periodic account management service.
currentPamPeriod	String, 1 - 30 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash).	Optional (0-1)	periodic account management period that is currently used for the subscriber.
deferredToDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The deferred to date for the Periodic Account Management service.
pamServicePriority	Integer, 0 - 65535	Optional (0-1)	Indicate the priority between PAM services at PAM evaluation. Lower value gives higher priority.



Parameter	Type	Occurrence	Description
pamClassIDCurrent	Integer, 0 - 9999	Optional (0-1)	The current periodic account management class used by the periodic account management service.
scheduleIDCurrent	Integer, 0 - 9999	Optional (0-1)	
pamServicePriorityCurrent	Integer, 0 - 65535	Optional (0-1)	
accountGroupID	Integer, 0 - 2147483647	Optional (0-1)	The Account Group identity for the account. 0 indicate clearing of account group (when set to 0 the account does not belong to any account group).
serviceOfferings	Sub-MO	Optional (0-n)	The values of the service offerings defined on an account. It has to be matched to the definitions of the tariff tree.
serviceOfferingID	Integer, 1 - 31	Mandatory	The identity of a current service offering defined on an account.
serviceOfferingActiveFlag	Boolean { 0, 1 } 0 (false) = The service offering is not active. 1 (true) = The service offering is active.	Mandatory	Whether a specific service offering pointed out by the serviceOfferingID parameter is active or not.
serviceOfferingsValue	Sub-MO	Optional (0-1)	An array of the service offering value in decimal.
serviceOfferingsValueAdd	String	Optional (0-1)	The service offerings which is to be added to the subscriber.
serviceOfferingsValueDelete	String	Optional (0-1)	The service offerings which is to be deleted from the subscriber.
serviceOfferingsValueCurrent	String	Mandatory	The current value of service offerings value.
PromotionPlan	Sub-MO	Optional (0-n)	A list of promotion plan.
promotionPlanID	String, 1 - 4 characters	Optional (0-1)	The identity of one of the current promotion plans of a subscriber.
promotionPlanIDCurrent	String, 1 - 4 characters	Optional (0-1)	The identity of one of the current promotion plans of a subscriber.
promotionOldStartDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The old start date of the associated promotion plan.



Parameter	Type	Occurrence	Description
promotionOldEndDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The old end date of the associated promotion plan.
promotionStartDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The start date of the associated promotion plan.
promotionEndDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The end date of the associated promotion plan.
temporaryBlockedFlag	Boolean { 0, 1 } 0 (false) = Default value. Unblocked 1 (true) = Temporary blocked	Optional (0-1)	Indicate whether the subscriber and operator have access to subscriber and account data.
serviceClass	Sub-MO	Optional (0-1)	A list information of service class
serviceClassAction	String Enumeration value="SET" Enumeration value="SetOriginal" Enumeration value="SetTemporary" Enumeration value="DeleteTemporary"	Mandatory	Indicate which action to take when updating the service class. Set = Update ordinary (original) and temporary Service classes SetOriginal = Update ordinary (original) Service class SetTemporary = Update temporary Service class DeleteTemporary = Remove temporary Service class
serviceClassCurrent	Integer, 0 - 9999	Optional (0-1)	The service class currently used by the subscriber.
serviceClassNew	Integer, 0 - 9999	Optional (0-1)	The new service class for the refill.
serviceClassTemporary	Integer, 0 - 9999	Optional (0-1)	The service class to be used by the subscriber.



Parameter	Type	Occurrence	Description
serviceClassTemporaryExpiryDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The expiry date of a temporary service class of an account.
serviceClassTemporaryNew	Integer, 0 - 9999	Optional (0-1)	The new temporary service class when changing an already assigned temporary service class.
serviceClassTemporaryNewExpiryDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	
serviceClassValidationFlag	Boolean { 0, 1 } 0 (false) = Default value. Do not perform validation. 1 (true) = Perform validation.	Optional (0-1)	Indicate whether validation regarding if a service class update is made within the range of allowed service classes shall be performed or not.
externalData1	String, 1 - 128	Optional (0-1)	A spare parameter for customizations to include in data records.
externalData2	String, 1 - 128	Optional (0-1)	A spare parameter for customizations to include in data records.
chargingRequestInformation	Sub-MO	Optional (0-1)	This parameter contains request information for a charged end user communication event.
chargingType	Integer, 1 - 6 1 = Check order and make reservation 2 = Perform order and make deduction 3 = Perform order and commit reservation 4 = Rollback reservation 5 = Get allowed options 6 = Rate and check (reserved for future use)	Optional (0-1)	This parameter contains information how the request is to be charged and which mechanism to use.
chargingIndicator	Integer, 0 - 65535	Optional (0-1)	An indicator for rating differentiation.
reservationCorrelationID	Integer, 0 - 2147483647	Optional (0-1)	The id needed to correlate a reservation.
FaF	Sub-MO	Optional (0-n)	Information about family and friends function



Parameter	Type	Occurrence	Description
fafNumber	tring, 1 - 30 digits	Optional (0-1)	A Family and Friends number
owner	String Enumeration value="Subscriber" Enumeration value="Account"	Optional (0-1)	Indicate whether the data is attached to the account or subscriber.
fafIndicator	Integer, 1 - 65535	Optional (0-1)	This parameter is used for differentiated rating for traffic events to and from numbers in the Family and Friends (FaF) number list.
exactMatch	Boolean { 0, 1 } 0 = Default value. Match faf number partially. 1 = Match faf number exactly.	Optional (0-1)	Indicate whether the faf number should be matched partial or exact.
selectedOption	Integer, 1 - 999	Optional (0-1)	The value of the selected option. The values are configurable by the operator.
chargingRequestInformation	Sub-MO	Optional (0-1)	This parameter contains request information for a charged end user communication event.
chargingType	Integer, 1 - 6 1 = Check order and make reservation 2 = Perform order and make deduction 3 = Perform order and commit reservation 4 = Rollback reservation 5 = Get allowed options 6 = Rate and check (reserved for future use)	Optional (0-1)	This parameter contains information how the request is to be charged and which mechanism to use.
chargingIndicator	Integer, 0 - 65535	Optional (0-1)	An indicator for rating differentiation.
reservationCorrelationID	Integer, 0 - 2147483647	Optional (0-1)	The id needed to correlate a reservation.
enableFafMNPFlag	Boolean { 0, 1 } 0 = No check of FaF number towards NPDB will be performed. 1 = Check of FaF number towards NPDB will be performed.	Optional (0-1)	This parameter is sent if the check of FaF number towards NPDB should be performed.
communityInformationCurrent	String	Optional (0-1)	The community the subscriber currently belongs to.



Parameter	Type	Occurrence	Description
communityInformationNew	String	Optional (0-1)	The community which is to be assigned to the subscriber.
communityInformationUpdate	Sub-MO	Optional (0-1)	Contains the community which is to be added to the subscriber and the community which is to be deleted from the subscriber.
communityInformationAdd	String	Optional (0-1)	The community which is to be added to the subscriber.
communityInformationDelete	String	Optional (0-1)	The community which is to be deleted from the subscriber.
balanceAndDate	Sub-MO	Optional (0-1)	It is used to perform a balance enquiry on the account associated with a specific subscriber identity. Also lifecycle dates are presented. Information is given on both main and dedicated accounts.
messageCapabilityFlag	Sub-MO	Optional (0-1)	The possible actions that may be performed on the account due to an operation initiated over this protocol.
promotionNotificationFlag	Boolean { 0, 1 } 0 (false) = Default value. Promotion notification code will not be cleared after delivery in response. 1 (true) = Promotion notification code will be cleared after delivery in response.	Optional (0-1)	Indicate whether the promotion notification code shall be cleared or not after delivery in response.
firstIVRCallSetFlag	Boolean { 0, 1 } 0 (false) = Do not set first IVR call done flag. 1 (true) = Set first IVR call done flag.	Optional (0-1)	Indicate whether the first IVR call done flag shall be set or not.



Parameter	Type	Occurrence	Description
accountActivationFlag	<p>Boolean { 0, 1 }</p> <p>0 (false) = Default value. Pre-activated accounts will not be activated due to the request. Account can however be activated if service fee and supervision expiry dates are set as a result of this request. In this case neither the initial balance nor the life-cycle dates from the pre-activation configuration will not be given.</p> <p>1 (true) = Pre-activated accounts may be activated due to the request. If service fee and supervision expiry dates are explicitly received in the request these days will be used and initial balance will be applied (but no additional days from the pre-activation configuration will be given). If service fee and supervision expiry dates are not explicitly set in the request initial life-cycle days and initial balance is applied.</p>	Optional (0-1)	Indicate whether pre-activated accounts can be or cannot be activated due to the request. The possibility to activate a pre-activated account by this flag is configured in the account databases service class configuration. This results in that even if the flag is set to true the account may not be activated.
transactionCurrency	String, currency	Optional (0-1)	The ID to point out what currency is used for the transaction.
adjustmentAmountRelative	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807	Optional (0-1)	The amount of the adjustment (positive or negative) to be applied to the account.
dedicatedAccountUpdateInformation	Sub-MO	Optional (0-n)	Information for updating balances and expiry date for dedicated accounts.
dedicatedAccountID	Integer, 1 - 2147483647	Mandatory	The identity of the dedicated account in order to be able to distinguish between the various dedicated accounts in an array of dedicated accounts.
productID	Integer, 0 - 2147483647	Optional (0-1)	<p>The identity of a product.</p> <p>Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.</p>



Parameter	Type	Occurrence	Description
adjustmentAmountRelative	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 Unit	Optional (0-1)	The amount of the adjustment (positive or negative) to be applied to the account.
dedicatedAccountValueNew	String, 0 - 999 999 999 999 Unit	Optional (0-1)	Value to assign to a dedicated account. This is not taking in consideration any ongoing chargeable events.
adjustmentDateRelative	Integer, -32767 to -1 and 1 to 32767	Optional (0-1)	This parameter is used to make a relative adjustment to the current expiry date. The adjustment can be positive or negative. It is expressed in number of days.
expiryDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The expiry date for a dedicated account. Element Value Range: DateMin to DateMax or DateInfinite
expiryPamPeriodIndicator	Integer, 1- 100 and 2147483647 2147483647 = no expiry.	Optional (0-1)	the Periodic Account Management period when the offer or DA becomes invalid. When the offer has the capability of storing date and time the time stamp will be set to 00:00:00 or 23:59:59 depending on system configuration.
startDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used. Element Value Range: DateMin to DateMax or DateBeginningOfTime.
adjustmentStartDateRelative	Integer, -999 to -1 and 1 to 999	Optional (0-1)	This parameter is used to make a relative adjustment to the current start date. The adjustment can be positive or negative. It is expressed in number of days.



Parameter	Type	Occurrence	Description
startPamPeriodIndicator	Integer, 0 - 99	Optional (0-1)	<p>The startPamPeriodIndicator parameter indicates the Periodic Account Management period when the offer and DA becomes valid. If the offer has the capability of date and time the time stamp will default to 00:00:00.</p> <p>Update of the PAM period indicator on an existing offer will keep the current time stamp unchanged. Time stamp can however be changed by including currentTimeOffset.</p> <p>Zero means that the start date of an offer or a DA is the current date.</p>
dedicatedAccountUnitType	Integer, 0 - 6 0 = The account contains time. 1 = The account contains money. 2 - 4 = The account contains total octets (Not used, reserved for future use). 5 = The account contains service specific units. 6 = The account contains volume.	Optional (0-1)	The unit of the dedicated account values and is mandatory if the function "multi unit" is active, in other case it is optional.
expiryDateCurrent	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	<p>The current expiry date for a dedicated account.</p> <p>Element Value Range: DateMin to DateMax or DateInfinite</p>
startDateCurrent	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	<p>The current start date for a dedicated account. Used for validation. No validation is performed if omitted.</p> <p>Element Value Range: DateMin to DateMax or DateBeginningOfTime</p>
pamServiceID	Integer, 0 - 99	Optional (0-1)	The id of the periodic account management service.
updateAction	String Enumeration value="EXPIRE"	Optional (0-1)	<p>Indicate which action to take on the resource.</p> <p>EXPIRE = Expire the resource immediately.</p>



Parameter	Type	Occurrence	Description
allowCropOfCompositeDedicatedAccounts	Boolean { 0, 1 } 0 (false) = Default value. Do not allow crop. 1 (true) = Allow crop.	Optional (0-1)	Indicate whether it shall be allowed to crop a composite dedicated account
supervisionExpiryDateRelative	Integer, -32767 to -1 and 1 to 32767	Optional (0-1)	Used to make a relative adjustment to the current supervision expiry date. The adjustment can be positive or negative. It is expressed in number of days.
supervisionExpiryDate	DateTime.iso8601: YYYY-MM-DDThh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The expiry date of the supervision period.
serviceFeeExpiryDateRelative	Integer, -32767 to -1 and 1 to 32767	Optional (0-1)	Used to make a relative adjustment to the current service fee expiry date. The adjustment can be positive or negative. It is expressed in number of days.
serviceFeeExpiryDate	DateTime.iso8601: YYYY-MM-DDThh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The expiry date of the service fee period.
creditClearancePeriod	Integer, 0 - 1023	Optional (0-1)	The period until credit clearance.
serviceRemovalPeriod	Integer, 0 - 1023	Optional (0-1)	The period until service removal.
transactionType	String, 1 - 30 characters	Optional (0-1)	Specify the operation in more detail. It associate a description of a certain operation along with transactionCode.
transactionCode	String, 1 - 30 characters	Optional (0-1)	Specify the operation in more detail. It associate a description of a certain operation along with transactionType.
externalData1	String, 1 - 128	Optional (0-1)	A spare parameter for customizations to include in data records.
externalData2	String, 1 - 128	Optional (0-1)	A spare parameter for customizations to include in data records.



Parameter	Type	Occurrence	Description
serviceFeeExpiryDateCurrent	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The current expiry date of the service fee period.
supervisionExpiryDateCurrent	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The current expiry date of the supervision period.
serviceClassCurrent	Integer, 0 - 9999	Optional (0-1)	The service class currently used by the subscriber.
cellIdentifier	String, 1 - 19 1 - 19 = Numeric 0 - 19 CAP = 14 CGI/SAI	Optional (0-1)	This parameter output the CellGlobal Identity (CGI) or Service Area Identity (SAI). It can be sent as an input parameter through UCIP. If not sent as parameter, this parameter is retrieved from the HLR using ATI request. The cellIdentifier parameter can also be a return parameter through UCIP.
deleteDedicatedAccounts	Sub-MO	Optional (0-1)	The information about the dedicated account to be deleted.
serviceClassCurrent	Integer, 0 - 9999	Optional (0-1)	The service class currently used by the subscriber.
dedicatedAccountIdentifier	Sub-MO	Mandatory	The identifier of the dedicated account to be deleted.
dedicatedAccountID	Integer, 1 - 2147483647	Mandatory	The identity of the dedicated account in order to be able to distinguish between the various dedicated accounts in an array of dedicated accounts.
expiryDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The expiry date for a dedicated account. Element Value Range: DateMin to DateMax or DateInfinite



Parameter	Type	Occurrence	Description
productID	Integer, 0 - 2147483647	Optional (0-1)	The identity of a product. Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.
promotionCounters	Sub-MO	Optional (0-1)	It returns the current accumulated values used as base for the calculation of when to give a promotion and when to progress a promotion plan.
transactionCurrency	String, currency	Optional (0-1)	The ID to point out what currency is used for the transaction.
promotionRefillAmountRelative	String, - 999 999 999 999 to 999 999 999 999	Optional (0-1)	Specifies an amount to be adjusted to the accumulated value of account refills made within the current promotion plan of a subscriber.
promotionRefillCounterStepRelative	String, -255 to 255	Optional (0-1)	Contains the number of steps to be adjusted to the accumulated number of account refills within the current promotion plan of a subscriber.
progressionRefillAmountRelative	String, - 999 999 999 999 to 999 999 999 999	Optional (0-1)	Specifies an amount to be adjusted to the accumulated value of account refill for promotion plan progression.
progressionRefillCounterStepRelative	String, -255 to 255	Optional (0-1)	Contains the number of steps to be adjusted on the accumulated number of account refills for promotion plan progression.
refillBarring	Sub-MO	Optional (0-1)	The information about the refill to be barred.
refillBarAction	String Enumeration value="CLEAR" Enumeration value="STEP" Enumeration value="BAR"	Mandatory	Describes what action to apply to the refill bar counter. Network Element Type: CLEAR: Clear the counter STEP: Increase counter by one BAR: Immediate barring of refill



Parameter	Type	Occurrence	Description
refillUnbarDateTime	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11- 24T23:59:59+08:00	Optional (0-1)	The date and time when a refill barred subscriber is unbarred and is allowed to do a new refill.
subDedicatedAccount	Sub-MO	Optional (0-n)	The information about balances and dates for dedicated accounts.
transactionCurrency	String, currency	Optional (0-1)	The ID to point out what currency is used for the transaction.
subDedicatedAccountUpdateInformation	Sub-MO	Mandatory	The information for updating balances and expiry date for sub dedicated accounts.
dedicatedAccountID	Integer, 1 - 2147483647	Mandatory	The identity of the dedicated account in order to be able to distinguish between the various dedicated accounts in an array of dedicated accounts.
subDedicatedAccountIdentifier	Sub-MO	Mandatory	The information for identifying a unique sub dedicated account.
startDateCurrent	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11- 24T23:59:59+08:00	Mandatory	The current start date for a dedicated account. Used for validation. No validation is performed if omitted. Element Value Range: DateMin to DateMax or DateBeginningOfTime
expiryDateCurrent	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11- 24T23:59:59+08:00	Mandatory	The current expiry date for a dedicated account. Element Value Range: DateMin to DateMax or DateInfinite
adjustmentAmountRelative	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 Unit	Optional (0-1)	The amount of the adjustment (positive or negative) to be applied to the account.
subDedicatedAccountValueAbsolute	String, 0 - 9 223 372 036 854 775 807	Optional (0-1)	The units to assign to a sub dedicated account.
adjustmentDateRelative	Integer, -32767 to -1 and 1 to 32767	Optional (0-1)	This parameter is used to make a relative adjustment to the current expiry date. The adjustment can be positive or negative. It is expressed in number of days.



Parameter	Type	Occurrence	Description
expiryDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The expiry date for a dedicated account. Element Value Range: DateMin to DateMax or DateInfinite
expiryPamPeriodIndicator	Integer, 1- 100 and 2147483647 2147483647 = no expiry.	Optional (0-1)	the Periodic Account Management period when the offer or DA becomes invalid. When the offer has the capability of storing date and time the time stamp will be set to 00:00:00 or 23:59:59 depending on system configuration.
startDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used. Element Value Range: DateMin to DateMax or DateBeginningOfTime
adjustmentStartDateRelative	Integer, -999 to -1 and 1 to 999	Optional (0-1)	This parameter is used to make a relative adjustment to the current start date. The adjustment can be positive or negative. It is expressed in number of days.
startPamPeriodIndicator	Integer, 0 - 99	Optional (0-1)	The Periodic Account Management period when the offer and DA becomes valid. If the offer has the capability of date and time the time stamp will default to 00:00:00. Update of the PAM period indicator on an existing offer will keep the current time stamp unchanged. Time stamp can however be changed by including currentTimeOffset. Zero means that the start date of an offer or a DA is the current date.
pamServiceID	Integer, 0 - 99	Optional (0-1)	The id of the periodic account management service.



Parameter	Type	Occurrence	Description
expiryDateCurrent	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The current expiry date for a dedicated account. Element Value Range: DateMin to DateMax or DateInfinite
startDateCurrent	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The current start date for a dedicated account. Used for validation. No validation is performed if omitted. Element Value Range: DateMin to DateMax or DateBeginningOfTime
dedicatedAccountUnitType	Integer, 0 - 6 0 = The account contains time. 1 = The account contains money. 2 - 4 = The account contains total octets (Not used, reserved for future use). 5 = The account contains service specific units. 6 = The account contains volume.	Optional (0-1)	The unit of the dedicated account values and is mandatory if the function "multi unit" is active, in other case it is optional.
transactionType	String, 1 - 30 characters	Optional (0-1)	Specify the operation in more detail. It associate a description of a certain operation along with transactionCode.
transactionCode	String, 1 - 30 characters	Optional (0-1)	Specify the operation in more detail. It associate a description of a certain operation along with transactionType.
externalData1	String, 1 - 128	Optional (0-1)	A spare parameter for customizations to include in data records.
externalData2	String, 1 - 128	Optional (0-1)	A spare parameter for customizations to include in data records.
usageThresholdsAndCounters	Sub-MO	Optional (0-1)	Information of active usage thresholds and usage counters for a subscriber.
transactionCurrency	String, currency	Optional (0-1)	The ID to point out what currency is used for the transaction.
updateUsageCounterForMultiUser	Integer, 1	Optional (0-1)	Indicates that the request should be performed for all subscribers in a multi user account or for the provider and all consumers.



Parameter	Type	Occurrence	Description
usageCounterUpdateInformation	Sub-MO	Optional (0-n)	The updated information of the usage counter data
usageCounterID	Integer, 1 - 2147483647	Mandatory	The id of a usage counter.
usageCounterValueNew	Integer, 0 - 9 223 372 036 854 775 807	Optional (0-1)	The updated value of a non-monetary usage counter.
adjustmentUsageCounterValueRelative	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 digits	Optional (0-1)	The adjustment value of a non-monetary usage counter.
usageCounterMonetaryValueNew	String, 0 - 999 999 999 price	Optional (0-1)	The updated value of a monetary usage counter.
adjustmentUsageCounterMonetaryValueRelative	String, -999 999 999 999 to 999 999 999 999 price	Optional (0-1)	Indicates the adjustment value of a monetary usage counter.
associatedPartyID	String, 1 - 28 digits	Optional (0-1)	<p>The subscriber identity of the consumer or provider.</p> <p>The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes.</p>
productID	Integer, 0 - 2147483647	Optional (0-1)	<p>The identity of a product.</p> <p>Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.</p>
usageThresholdUpdateInformation	Sub-MO	Optional (0-n)	The update information of the usage threshold.
usageThresholdID	Integer, 1 - 2147483647	Mandatory	The ID of a usage threshold.
usageThresholdValueNew	String, 0 - 9 223 372 036 854 775 807 digits	Optional (0-1)	The new value of a non-monetary usage threshold.
usageThresholdMonetaryValueNew	String, 0 - 999 999 999 price	Optional (0-1)	The updated value of a monetary usage threshold.



Parameter	Type	Occurrence	Description
associatedPartyID	String, 1 - 28 digits	Optional (0-1)	The subscriber identity of the consumer or provider. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes.
negotiatedCapabilities	Integer, 0 - 2147483647	Optional (0-n)	Indicate the negotiated capabilities between the client and server node. The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active.

4.2 Response Data

4.2.1 Parameters

MOId

Table 14 Set Subscription Parameter

Parameter	Type	Occurrence	Description
subscriberNumber	String, 1 - 28 digits	Mandatory	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by subscriberNumberNAI parameter.

MOAttributes

Table 15 covers the parameters that can be used in a `setSubscription` response.



Table 15 Set Subscription Parameter

Parameter	Type	Occurrence	Description
subscriberNumber	String, 1 - 28 digits	Mandatory	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by subscriberNumberNAI parameter.
originTransactionID	String, 0 - 9999 9999 9999 9999 9999 digits	Optional (0-1)	The Unique identifier for the transaction, generated by the system it was initiated from. The value in this parameter must be unique per operation and can be a sequence number. An operation in this case is for example a refill.
originOperatorID	String, 1 - 255 characters	Optional (0-1)	The identity of the system user or the session from where the operation was initiated. It might be used for security management or logging purposes for an example.
serviceClassCurrent	Integer, 0 - 9999	Optional (0-1)	The service class currently used by the subscriber.
accountFlagsAfter	Sub-MO	Optional (0-1)	Life cycle state flags of the account, indicating the actual status of the account after.
activationStatusFlag	Boolean, { 0,1 } 0 (false) = Default value. Account is not activated 1 (true) = Account is activated	Optional (0-1)	Indicate whether an account is activated or not.
negativeBarringStatusFlag	Boolean { 0,1 } 0 (false) = Default value. Account is not barred due to negative balance. 1 (true) = Account is barred due to negative balance.	Optional (0-1)	Indicate whether an account is barred due to negative balance or not.
supervisionPeriodWarningActiveFlag	Boolean, { 0,1 } 0 (false) = Default value. Supervision period date expiration warning not active. 1 (true) = Supervision period date expiration warning active.	Optional (0-1)	Indicate whether the supervision period date expiration warning is active or not.
serviceFeePeriodWarningActiveFlag	Boolean, { 0,1 } 0 (false) = Default value. Service fee period date expiration warning not active. 1 (true) = Service fee period date expiration warning active	Optional (0-1)	Indicate whether the service fee period date expiration warning is active or not.



Parameter	Type	Occurrence	Description
supervisionPeriodExpiryFlag	Boolean, { 0,1 } 0 (false) = Default value. Supervision period date has not expired. 1 (true) = Supervision period date has expired.	Optional (0-1)	Indicate whether the supervision period date has expired or not.
serviceFeePeriodExpiryFlag	Boolean, { 0,1 } 0 (false) = Default value. Service fee period date has not expired. 1 (true) = Service fee period date has expired.	Optional (0-1)	Indicate whether the service fee period date has expired or not.
accountFlagsBefore	Sub-MO	Optional (0-1)	Life cycle state flags of the account, indicating the actual status of the account before.
activationStatusFlag	Boolean, { 0,1 } 0 (false) = Default value. Account is not activated 1 (true) = Account is activated	Optional (0-1)	Indicate whether an account is activated or not.
negativeBarringStatusFlag	Boolean { 0,1 } 0 (false) = Default value. Account is not barred due to negative balance. 1 (true) = Account is barred due to negative balance.	Optional (0-1)	Indicate whether an account is barred due to negative balance or not.
supervisionPeriodWarningActiveFlag	Boolean, { 0,1 } 0 (false) = Default value. Supervision period date expiration warning not active. 1 (true) = Supervision period date expiration warning active.	Optional (0-1)	Indicate whether the supervision period date expiration warning is active or not.
serviceFeePeriodWarningActiveFlag	Boolean, { 0,1 } 0 (false) = Default value. Service fee period date expiration warning not active. 1 (true) = Service fee period date expiration warning active	Optional (0-1)	Indicate whether the service fee period date expiration warning is active or not.
supervisionPeriodExpiryFlag	Boolean, { 0,1 } 0 (false) = Default value. Supervision period date has not expired. 1 (true) = Supervision period date has expired.	Optional (0-1)	Indicate whether the supervision period date has expired or not.



Parameter	Type	Occurrence	Description
serviceFeePeriodExpiryFlag	Boolean, { 0,1 } 0 (false) = Default value. Service fee period date has not expired. 1 (true) = Service fee period date has expired.	Optional (0-1)	Indicate whether the service fee period date has expired or not.
currency1	String, Currency	Optional (0-1)	The first currency to be presented to the end user. For example, SEK, EUR, USD, etc.
currency2	String, Currency	Optional (0-1)	The second currency to be presented to the end user. For example, SEK, EUR, USD, etc.
accountPrepaidEmptyLimit1	String, -999 999 999 999 to 999 999 999 999	Optional (0-1)	The lowest allowed balance on an account. It indicates an account balance in the first currency
accountPrepaidEmptyLimit2	String, -999 999 999 999 to 999 999 999 999	Optional (0-1)	The lowest allowed balance on an account. It indicates an account balance in the second currency
chargingResultInformation	Sub-MO	Optional (0-1)	Information for a charged end user communication event.
Cost1	String, -999 999 999 999 to 999 999 999 999 price	Optional (0-1)	The cost for an event. It indicates a cost in the first currency.
currency1	String, Currency	Optional (0-1)	The first currency to be presented to the end user. For example, SEK, EUR, USD, etc.
Cost 2	String, -999 999 999 999 to 999 999 999 999 price	Optional (0-1)	The cost for an event. It indicates a cost in the second currency.
currency2	String,Currency	Optional (0-1)	The second currency to be presented to the end user. For example, SEK, EUR, USD, etc.
chargingResultCode	Integer, 0 - 2 0 = or not present Successful 1 = No charge (free counter stepped) 2 = No charge (free counter not stepped)	Optional (0-1)	Information related to a charged event.
reservationCorrelationID	Integer, 0 - 2147483647	Optional (0-1)	The id needed to correlate a reservation.
chargingResultInformationService			Result information regarding a service for a charged end user communication event
cost1	String, -999 999 999 999 to 999 999 999 999 price	Optional (0-1)	The cost for an event. It indicates a cost in the first currency.



Parameter	Type	Occurrence	Description
cost2	String, -999 999 999 999 to 999 999 999 999 price	Optional (0-1)	The cost for an event. It indicates a cost in the second currency.
periodicAccountManagementData	Sub-MO	Optional (0-n)	Information used for periodic account management.
pamServiceID	Integer, 0 - 99	Mandatory	The id of the periodic account management service.
pamClassID	Integer, 0 - 9999	Optional (0-1)	The periodic account management class used by the periodic account management service.
scheduleID	Integer, 0 - 9999	Optional (0-1)	The schedule that is used by the periodic account management service.
currentPamPeriod	String, 1 - 30 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash).	Mandatory	The periodic account management period that is currently used for the subscriber.
deferredToDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The deferred to date for the Periodic Account Management service.
lastEvaluationDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	Date of the last periodic account management evaluation.
pamServicePriority	Integer, 0 - 65535	Optional (0-1)	Indicate the priority between PAM services at PAM evaluation. Lower value gives higher priority.
allowedOptions	Integer, 1- 999 1 = Both incoming and outgoing direction allowed. 2 = Incoming direction allowed. 3 = Outgoing direction allowed.	Optional (0-8)	The value of an allowed option The allowedOption can be repeated up to 8 times for UpdateFaFList Response.
fafMaxAllowedNumbersReachedFlag	Boolean, {0, 1} 0 (false) = Default value. Maximum number of allowed FaF numbers is not reached 1 (true) = Maximum number of allowed FaF numbers is reached.	Optional (0-1)	A flag indicating that it's not allowed to add more FaF numbers to the FaF-list for this subscriber.
fafChangeUnbarDate	DateTime.iso8601	Optional (0-1)	The date when a family and friends change is allowed again. DateTomorrow to DateMax



Parameter	Type	Occurrence	Description
negativeBalanceBarringDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	Date when a subscriber is scheduled to be barred, or was barred, due to negative balance. Element Value Range: DateMin to DateMax
dedicatedAccountChangeInformation	Sub-MO	Optional (0-n)	Information of changes done to balances and dates for dedicated accounts.
dedicatedAccountID	Integer, 1 - 2147483647	Mandatory	The identity of the dedicated account in order to be able to distinguish between the various dedicated accounts in an array of dedicated accounts.
productID	Integer, 0 - 2147483647	Optional (0-1)	The identity of a product. Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.
dedicatedAccountValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events. If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted. When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807. It indicates the balance in the first currency.



Parameter	Type	Occurrence	Description
dedicatedAccountValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p> <p>It indicates the balance in the second currency.</p>
expiryDate	<p>DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ</p> <p>TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00</p>	Optional (0-1)	<p>The expiry date for a dedicated account.</p> <p>Element Value Range: DateMin to DateMax or DateInfinite</p>
startDate	<p>DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ</p> <p>TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00</p>	Optional (0-1)	<p>The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used.</p> <p>Element Value Range: DateMin to DateMax or DateBeginningOfTime</p>
pamServiceID	Integer, 0 - 99	Optional (0-1)	The id of the periodic account management service.
offerID	Integer, 1 - 2147483647	Optional (0-1)	The identity of an offer.
closestExpiryDate	<p>DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ</p> <p>TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00</p>	Optional (0-1)	<p>The date when the next sub dedicated account(s) will expire, this include both active and inactive sub dedicated accounts.</p> <p>DateToday to DateMax</p>



Parameter	Type	Occurrence	Description
closestExpiryValue1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The balance of the sub dedicated account(s) with the closest expiry date, this include both active and in active sub dedicated accounts.</p> <p>It indicates the balance of the first currency.</p> <p>If the unit type is other than money the closestExpiryValue1 contains the amount of the valid units and closestExpiryValue2 is omitted.</p>
closestExpiryValue2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The balance of the sub dedicated account(s) with the closest expiry date, this include both active and in active sub dedicated accounts.</p> <p>It indicates the balance of the second currency.</p> <p>If the unit type is other than money the closestExpiryValue1 contains the amount of the valid units and closestExpiryValue2 is omitted.</p>
closestAccessibleDate	<p>DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ</p> <p>TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00</p>	Optional (0-1)	<p>The date when the next sub dedicated account(s) will be accessible. This parameter is only valid for composite dedicated accounts.</p> <p>DateToday to DateMax</p>
closestAccessibleValue1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The balance of the sub dedicated account(s) with the closest start date. This parameter is only valid for composite dedicated accounts.</p> <p>It indicates the balance in the first currency.</p> <p>If the unit type is other than money the closestAccessibleValue1 contains the sum of the valid units and closestAccessibleValue2 is omitted.</p>
closestAccessibleValue2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The balance of the sub dedicated account(s) with the closest start date. This parameter is only valid for composite dedicated accounts.</p> <p>It indicates the balance in the second currency.</p> <p>If the unit type is other than money the closestAccessibleValue1 contains the sum of the valid units and closestAccessibleValue2 is omitted.</p>



Parameter	Type	Occurrence	Description
dedicatedAccountActiveValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>This parameter contains a dedicated account balance that can be consumed right now. This is not taking in consideration any ongoing chargeable events. The active value is only valid for composite dedicated account as they can have resources that becomes accessible later.</p> <p>It indicates that the balance is in the first currency.</p> <p>If the unit type is other than money the dedicatedAccountActiveValue1 contains the sum of the valid units and dedicatedAccountActiveValue2 is omitted.</p>
dedicatedAccountActiveValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>This parameter contains a dedicated account balance that can be consumed right now. This is not taking in consideration any ongoing chargeable events. The active value is only valid for composite dedicated account as they can have resources that becomes accessible later.</p> <p>It indicates that the balance is in the second currency.</p> <p>If the unit type is other than money the dedicatedAccountActiveValue1 contains the sum of the valid units and dedicatedAccountActiveValue2 is omitted.</p>
subDedicatedAccountChangeInformation	Sub-MO	Optional (0-n)	Information about the changes made to a sub dedicated account.
changedAmount1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The parameter defines changed values on a main or dedicated account.</p> <p>It indicates a changed amount in the first currency.</p> <p>If the unit type is other than money the changedAmount1 contains the amount of the valid units and changedAmount2 is omitted.</p>
changedAmount2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The parameter defines changed values on a main or dedicated account.</p> <p>It indicates a changed amount in the second currency.</p> <p>If the unit type is other than money the changedAmount1 contains the amount of the valid units and changedAmount2 is omitted.</p>



Parameter	Type	Occurrence	Description
dedicatedAccountValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p> <p>It indicates the balance in the first currency.</p>
dedicatedAccountValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p> <p>It indicates the balance in the second currency.</p>
changedExpiryDate	Integer, -65535 to 65535	Optional (0-1)	The number of days the expiry date for a dedicated account has been changed as a result of the operation. The value is given in number of days.
newExpiryDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11- 24T23:59:59+08:00	Optional (0-1)	The new expiry date for a dedicated account.



Parameter	Type	Occurrence	Description
clearedExpiryDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The previous expiry date for a cleared dedicated account. DateMin to DateMax or DateInfinite
changedStartDate	Integer, -65535 to 65535	Optional (0-1)	The number of days the start date for a dedicated account has been changed as a result of the operation. The value is given in number of days.
newStartDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The new start date for a dedicated account. DateMin to DateMax or DateBeginningOfTime
clearedStartDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The previous start date for a cleared dedicated account. DateMin to DateMax or DateBeginningOfTime
dedicatedAccountUnitType	Integer, 0 - 6 0 = The account contains time. 1 = The account contains money. 2 - 4 = The account contains total octets (Not used, reserved for future use). 5 = The account contains service specific units. 6 = The account contains volume.	Optional (0-1)	The unit of the dedicated account values and is mandatory if the function "multi unit" is active, in other case it is optional.
accountValue1	String, -999 999 999 999 to 999 999 999 999 price	Optional (0-1)	The account value for the master account of subscriber. This is not taking in consideration any ongoing chargeable events. It indicates an account value in the first currency.
accountValue2	String, -999 999 999 999 to 999 999 999 999 price	Optional (0-1)	The account value for the master account of subscriber. This is not taking in consideration any ongoing chargeable events. It indicates an account value in the second currency.
usageCounterUsageThresholdInformation	Sub-MO	Optional (0-n)	All active usage counters with their thresholds for a subscriber.



Parameter	Type	Occurrence	Description
usageCounter ID	Integer, 1 - 2147483647	Mandatory	The id of a usage counter.
usageCounter Value	String, 0 - 9 223 372 036 854 775 807 digits	Optional (0-1)	The value of a non-monetary usage counter.
usageCounter NominalValue	String, 0 - 9 223 372 036 854 775 807 digits	Optional (0-1)	The value of a non-monetary usage counter, without any factor.
usageCounter MonetaryValue1	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage counter. It indicates a usage counter amount in the first currency.
usageCounter MonetaryNominalValue1	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage counter, without any factor. It indicates a usage counter amount in the first currency.
usageCounter MonetaryValue2	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage counter. It indicates a usage counter amount in the second currency.
usageCounter MonetaryNominalValue2	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage counter, without any factor. It indicates a usage counter amount in the second currency.
usageThresholdInformation	Sub-MO	Optional (0-n)	All information about a usage threshold. Depending on the usage counted the threshold value is represented either in the usageThresholdValue parameter or the usageThresholdMonetaryValue1 or usageThresholdMonetaryValue2 parameter. The usageThresholdSource parameter can not be updated but is included in responses.
usageThresholdID	Integer, 1 - 2147483647	Mandatory	The ID of a usage threshold.
usageThresholdValue	String, 0 - 9 223 372 036 854 775 807 digits	Optional (0-1)	The value of a non-monetary usage threshold.
usageThresholdMonetaryValue1	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage threshold. It indicates a usage threshold amount in the first currency.
usageThresholdMonetaryValue2	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage threshold. It indicates a usage threshold amount in the second currency.



Parameter	Type	Occurrence	Description
usageThresholdSource	Integer, 1 - 3 1 = Personal - The threshold has been changed to a value other than the usage counter definition and is fetched from the subscriber. 2 = Common - The threshold has been changed to an individual value for a provider shared by all consumers. 3 = Default - The threshold value fetched from the usage counter definition.	Optional (0-1)	The source of a usage threshold.
associatedPartyID	String, 1 - 28 digits	Optional (0-1)	The subscriber identity of the consumer or provider. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes.
associatedPartyID	String, 1 - 28 digits	Optional (0-1)	The subscriber identity of the consumer or provider. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes.
productID	Integer, 0 - 2147483647	Optional (0-1)	The identity of a product. Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.
usageThresholdInformation	Sub-MO	Optional (0-n)	All information about a usage threshold. Depending on the usage counted the threshold value is represented either in the usageThresholdValue parameter or the usageThresholdMonetaryValue1 or usageThresholdMonetaryValue2 parameter. The usageThresholdSource parameter can not be updated but is included in responses.
usageThresholdID	Integer, 1 - 2147483647	Mandatory	The ID of a usage threshold.
usageThresholdValue	String, 0 - 9 223 372 036 854 775 807 digits	Optional (0-1)	The value of a non-monetary usage threshold.
usageThresholdMonetaryValue1	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage threshold. It indicates a usage threshold amount in the first currency.
usageThresholdMonetaryValue2	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage threshold. It indicates a usage threshold amount in the second currency.



Parameter	Type	Occurrence	Description
usageThresholdSource	Integer, 1 - 3 1 = Personal - The threshold has been changed to a value other than the usage counter definition and is fetched from the subscriber. 2 = Common - The threshold has been changed to an individual value for a provider shared by all consumers. 3 = Default - The threshold value fetched from the usage counter definition.	Optional (0-1)	The source of a usage threshold.
associatedPartyID	String, 1 - 28 digits	Optional (0-1)	The subscriber identity of the consumer or provider. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes.
promotionRefillAccumulatedValue1	String, 0 - 999 999 999 999 price	Optional (0-1)	The accumulated value of account refills made within the current promotion plan of a subscriber. It indicates the value in the first currency.
promotionRefillAccumulatedValue2	String, 0 - 999 999 999 999 price	Optional (0-1)	The accumulated value of account refills made within the current promotion plan of a subscriber. It indicates the value in the second currency.
promotionRefillCounter	Integer, 0 - 255	Optional (0-1)	The accumulated number of account refills within the current promotion plan of a subscriber.
progressionRefillValue1	String, 0 - 999 999 999 999 price	Optional (0-1)	The accumulated value of refills for promotion plan progression. It indicates the value in the first currency.
progressionRefillValue2	String, 0 - 999 999 999 999 price	Optional (0-1)	The accumulated value of refills for promotion plan progression. It indicates the value in the second currency.
progressionRefillCounter	Integer, 0 - 255	Optional (0-1)	The value of the accumulated number of refills for promotion plan progression.
refillUnbarDateT ime	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date and time when a refill barred subscriber is unbarred and is allowed to do a new refill.
refillFraudCount	Integer, 0 - 255	Optional (0-1)	Contain the number of fraudulent refill attempts left, before the account becomes barred from refill.
dedicatedAccountDeletionInformation	Sub-MO	Optional (0-n)	Balances and dates for dedicated accounts.



Parameter	Type	Occurrence	Description
dedicatedAccountID	Integer, 1 - 2147483647	Mandatory	The identity of the dedicated account in order to be able to distinguish between the various dedicated accounts in an array of dedicated accounts.
productID	Integer, 0 - 2147483647	Optional (0-1)	<p>The identity of a product.</p> <p>Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.</p>
dedicatedAccountValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p> <p>It indicates the balance in the first currency.</p>
dedicatedAccountValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p> <p>It indicates the balance in the second currency.</p>



Parameter	Type	Occurrence	Description
expiryDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The expiry date for a dedicated account. Element Value Range: DateMin to DateMax or DateInfinite
startDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used. Element Value Range: DateMin to DateMax or DateBeginningOfTime
pamServiceID	Integer, 0 - 99	Optional (0-1)	The id of the periodic account management service.
offerID	Integer, 1 - 2147483647	Optional (0-1)	The identity of an offer.
subDedicatedAccountInformation	Sub-MO	Optional (0-n)	Information about the changes made to a sub dedicated account.
dedicatedAccountValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events. If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted. When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807. It indicates the balance in the first currency.



Parameter	Type	Occurrence	Description
dedicatedAccountValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p> <p>It indicates the balance in the second currency.</p>
startDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	<p>The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used.</p> <p>Value Range: DateMin to DateMax or DateBeginningOfTime</p>
expiryDate	Integer, -65535 to 65535	Optional (0-1)	The number of days the expiry date for a dedicated account has been changed as a result of the operation. The value is given in number of days.
dedicatedAccountUnitType	Integer, 0 - 6 0 = The account contains time. 1 = The account contains money. 2 - 4 = The account contains total octets (Not used, reserved for future use). 5 = The account contains service specific units. 6 = The account contains volume.	Optional (0-1)	The unit of the dedicated account values and is mandatory if the function "multi unit" is active, in other case it is optional.



Parameter	Type	Occurrence	Description
negotiatedCapabilities	Integer, 0 - 2147483647	Optional (0-n)	Indicate the negotiated capabilities between the client and server node. The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active.
availableServerCapabilities	Integer, 0 - 2147483647	Optional (0-n)	Indicate the available capabilities at the server node. The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active. If only one element is present and is set to 0, no functions after release AIR-IP 5.0 are active, only legacy functionality can be used.

4.3 Examples

4.3.1 Example of Updating Account Details

This section gives an example of the `setSubscription` request and response message. This example shows how to update Account Details for a subscriber.

Request Example

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3="http://schemas.ericsson.com/cai3gl.2/"
  xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SessionId>8298219224044d389372c5850deef8e</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Get>
      <cai3:MOType>Subscription@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000001</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:getSubscription subscriberNumber="465273152000001">
          <air:allowedServiceClasses>
            <air:serviceClassCurrent>100</air:serviceClassCurrent>
          </air:allowedServiceClasses>
        </air:getSubscription>
      </cai3:MOAttributes>
    </cai3:Get>
  </soapenv:Body>
</soapenv:Envelope>
```

Example 22 Set Subscription Request Message

Response Example



```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3g="http://schemas.ericsson.com/cai3g1.2/">
  <S:Header>
    <cai3g:SessionId>8298219224044d389372c5850deef8e</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <GetResponse xmlns="http://schemas.ericsson.com/cai3g1.2/">
      <MOAttributes>
        <air:getSubscriptionResponse xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
          <air:subscriberNumber>465273152000001</air:subscriberNumber>
        </air:getSubscriptionResponse>
      </MOAttributes>
    </GetResponse>
  </S:Body>
</S:Envelope>

```

Example 23 Set Subscription Response Message

4.3.2 Example of Adding Promotion Plan

This section gives an example of the `setSubscription` request and response message. This example shows how to add Promotion Plan for a subscriber.

Request Example

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
  xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SessionId>8353a8293d454b4a98945e85eadb0ef2</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Set>
      <cai3:MOType>Subscription@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000010</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:setSubscription subscriberNumber="465273152000010">
          <air:originNodeType>ADM</air:originNodeType>
          <air:originHostName>node1</air:originHostName>
          <air:subscriberNumberNAI>1</air:subscriberNumberNAI>
          <air:promotionPlan promotionPlanID="3">
            <air:promotionPlanID>3</air:promotionPlanID>
            <air:promotionPlanIDCurrent>2</air:promotionPlanIDCurrent>
            <air:promotionOldStartDate>2013-09-26T06:44:01+01:00</air:promotionOldStartDate>
            <air:promotionOldEndDate>2015-09-26T06:44:01+01:00</air:promotionOldEndDate>
            <air:promotionStartDate>2019-09-26T06:44:01+01:00</air:promotionStartDate>
            <air:promotionEndDate>2020-09-26T06:44:01+01:00</air:promotionEndDate>
          </air:promotionPlan>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
        </air:setSubscription>
      </cai3:MOAttributes>
    </cai3:Set>
  </soapenv:Body>
</soapenv:Envelope>

```

Example 24 Set Subscription Request Message



Response Example

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3g="http://schemas.ericsson.com/cai3gl.2/">
  <S:Header>
    <cai3g:SessionId>8353a8293d454b4a98945e85eadb0ef2</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <SetResponse xmlns="http://schemas.ericsson.com/cai3gl.2/">
      <MOAttributes>
        <air:setSubscriptionResponse xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
          <air:subscriberNumber>465273152000010</air:subscriberNumber>
          <air:originTransactionID>14416985238478365358</air:originTransactionID>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
          <air:availableServerCapabilities>536879616</air:availableServerCapabilities>
        </air:setSubscriptionResponse>
      </MOAttributes>
    </SetResponse>
  </S:Body>
</S:Envelope>
```

Example 25 Set Subscription Response Message

4.3.3

Example of Setting Promotion Plan

This section gives an example of the `setSubscription` request and response message. This example shows how to set the Promotion Plan for a subscriber.

Request Example



```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
  xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SessionId>8353a8293d454b4a98945e85eadb0ef2</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Set>
      <cai3:MOTType>Subscription@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOTType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000010</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:setSubscription subscriberNumber="465273152000010">
          <air:originNodeType>ADM</air:originNodeType>
          <air:originHostName>node1</air:originHostName>
          <air:subscriberNumberNAI>1</air:subscriberNumberNAI>
          <air:promotionPlan promotionPlanID="2">
            <air:promotionOldStartDate>
              2013-09-26T06:44:01+01:00
            </air:promotionOldStartDate>
            <air:promotionOldEndDate>
              2015-09-26T06:44:01+01:00
            </air:promotionOldEndDate>
            <air:promotionStartDate>
              2014-09-26T06:44:01+01:00
            </air:promotionStartDate>
            <air:promotionEndDate>
              2015-09-26T06:44:01+01:00
            </air:promotionEndDate>
          </air:promotionPlan>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
        </air:setSubscription>
      </cai3:MOAttributes>
    </cai3:Set>
  </soapenv:Body>
</soapenv:Envelope>

```

Example 26 Set Subscription Request Message

Response Example

```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3g="http://schemas.ericsson.com/cai3g1.2/">
  <S:Header>
    <cai3g:SessionId>8353a8293d454b4a98945e85eadb0ef2</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <SetResponse xmlns="http://schemas.ericsson.com/cai3g1.2/">
      <MOAttributes>
        <air:setSubscriptionResponse xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
          <air:subscriberNumber>465273152000010</air:subscriberNumber>
          <air:originTransactionID>14416999892341471075</air:originTransactionID>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
          <air:availableServerCapabilities>536879616</air:availableServerCapabilities>
        </air:setSubscriptionResponse>
      </MOAttributes>
    </SetResponse>
  </S:Body>
</S:Envelope>

```

Example 27 Set Subscription Response Message

4.3.4

Example of Deleting Promotion Plan

This section gives an example of the `setSubscription` request and response message. This example shows how to delete the Promotion Plan from a subscriber.



Request Example

```
<soapenv:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3="http://schemas.ericsson.com/cai3gl.2/"
xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SessionId>8353a8293d454b4a98945e85eadb0ef2</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Set>
      <cai3:MOType>Subscription@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000010024</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:setSubscription subscriberNumber="465273152000010024">
          <air:originNodeType>ADM</air:originNodeType>
          <air:originHostName>node1</air:originHostName>
          <air:subscriberNumberNAI>1</air:subscriberNumberNAI>
          <air:promotionPlan promotionPlanID="2" xsi:nil="true"></air:promotionPlan>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
        </air:setSubscription>
      </cai3:MOAttributes>
    </cai3:Set>
  </soapenv:Body>
</soapenv:Envelope>
```

Example 28 Set Subscription Request Message

Response Example

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3g="http://schemas.ericsson.com/cai3gl.2/">
  <S:Header>
    <cai3g:SessionId>8353a8293d454b4a98945e85eadb0ef2</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <SetResponse xmlns="http://schemas.ericsson.com/cai3gl.2/">
      <MOAttributes>
        <air:setSubscriptionResponse xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
          <air:subscriberNumber>465273152000010024</air:subscriberNumber>
          <air:originTransactionID>14417862771269132072</air:originTransactionID>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
          <air:availableServerCapabilities>536879616</air:availableServerCapabilities>
        </air:setSubscriptionResponse>
      </MOAttributes>
    </SetResponse>
  </S:Body>
</S:Envelope>
```

Example 29 Set Subscription Response Message

4.3.5

Example of Adding Family and Friends Number List

This section gives an example of the `setSubscription` request and response message. This example shows how to add Family and Friends Number List for a subscriber.

Request Example



```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3="http://schemas.ericsson.com/cai3gl.2/"
  xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SessionId>ffclb6d5068447b5b674d85602cc13b4</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Set>
      <cai3:MOType>Subscription@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000001</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:setSubscription subscriberNumber="465273152000001">
          <air:subscriberNumberNAI>1</air:subscriberNumberNAI>
          <air:faf fafNumber="0703105000" owner="Account">
            <air:fafNumber>0703105000</air:fafNumber>
            <air:owner>Account</air:owner>
            <air:fafIndicator>65535</air:fafIndicator>
          </air:faf>
          <air:faf fafNumber="0703105000" owner="Subscriber">
            <air:fafNumber>0703105000</air:fafNumber>
            <air:owner>Subscriber</air:owner>
            <air:fafIndicator>65535</air:fafIndicator>
          </air:faf>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
        </air:setSubscription>
      </cai3:MOAttributes>
    </cai3:Set>
  </soapenv:Body>
</soapenv:Envelope>

```

Example 30 Set Subscription Request Message

Response Example

```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3g="http://schemas.ericsson.com/cai3gl.2/">
  <S:Header>
    <cai3g:SessionId>ffclb6d5068447b5b674d85602cc13b4</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <SetResponse xmlns="http://schemas.ericsson.com/cai3gl.2/">
      <MOAttributes>
        <air:setSubscriptionResponse xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
          <air:subscriberNumber>465273152000001</air:subscriberNumber>
          <air:originTransactionID>14419583159563036520</air:originTransactionID>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
          <air:availableServerCapabilities>536879616</air:availableServerCapabilities>
        </air:setSubscriptionResponse>
      </MOAttributes>
    </SetResponse>
  </S:Body>
</S:Envelope>

```

Example 31 Set Subscription Response Message

4.3.6

Example of Setting Family and Friends Number List

This section gives an example of the `setSubscription` request and response message. This example shows how to set Family and Friends Number List for a subscriber.

Request Example



```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/" >
  <soapenv:Header>
    <cai3:SessionId>ffc1b6d5068447b5b674d85602cc13b4</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Set>
      <cai3:MOTType>Subscription@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOTType>
      <cai3:MOId>
        <air:subscriberNumber>16100001001</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:setSubscription subscriberNumber="16100001001">
          <air:subscriberNumberNAI>1</air:subscriberNumberNAI>
          <air:faf fafNumber="0703101003" owner="Subscriber">
            <air:fafIndicator>1003</air:fafIndicator>
          </air:faf>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
        </air:setSubscription>
      </cai3:MOAttributes>
    </cai3:Set>
  </soapenv:Body>
</soapenv:Envelope>
```

Example 32 Set Subscription Request Message

Response Example

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3g="http://schemas.ericsson.com/cai3g1.2/">
  <S:Header>
    <cai3g:SessionId>ffc1b6d5068447b5b674d85602cc13b4</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <SetResponse xmlns="http://schemas.ericsson.com/cai3g1.2/">
      <MOAttributes>
        <air:setSubscriptionResponse xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
          <air:subscriberNumber>16100001001</air:subscriberNumber>
          <air:originTransactionID>14419583171941301003</air:originTransactionID>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
          <air:availableServerCapabilities>536879616</air:availableServerCapabilities>
        </air:setSubscriptionResponse>
      </MOAttributes>
    </SetResponse>
  </S:Body>
</S:Envelope>
```

Example 33 Set Subscription Response Message

4.3.7

Example of Deleting Family and Friends Number List

This section gives an example of the `setSubscription` request and response message. This example shows how to delete Family and Friends Number List from a subscriber.

Request Example



```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3="http://schemas.ericsson.com/cai3gl.2/"
  xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Header>
    <cai3:SessionId>ffclb6d5068447b5b674d85602cc13b4</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Set>
      <cai3:MOType>Subscription@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000001</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:setSubscription subscriberNumber="465273152000001">
          <air:subscriberNumberNAI>1</air:subscriberNumberNAI>
          <air:faf fafNumber="0703105000" owner="Account" xsi:nil="true"/>
          <air:faf fafNumber="0703105000" owner="Subscriber" xsi:nil="true"/>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
        </air:setSubscription>
      </cai3:MOAttributes>
    </cai3:Set>
  </soapenv:Body>
</soapenv:Envelope>

```

Example 34 Set Subscription Request Message

Response Example

```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3g="http://schemas.ericsson.com/cai3gl.2/">
  <S:Header>
    <cai3g:SessionId>ffclb6d5068447b5b674d85602cc13b4</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <SetResponse xmlns="http://schemas.ericsson.com/cai3gl.2/">
      <MOAttributes>
        <air:setSubscriptionResponse xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
          <air:subscriberNumber>465273152000001</air:subscriberNumber>
          <air:originTransactionID>14419583180022020087</air:originTransactionID>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
          <air:availableServerCapabilities>536879616</air:availableServerCapabilities>
        </air:setSubscriptionResponse>
      </MOAttributes>
    </SetResponse>
  </S:Body>
</S:Envelope>

```

Example 35 Set Subscription Response Message

4.3.8

Example of Updating Service Classes

This section gives an example of the `setSubscription` request and response message. This example shows how to update Service Classes for a subscriber.

Request Example



```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
  xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SessionId>e77cc74b16374525ac89dff7fd3ca4c6</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Set>
      <cai3:MOType>Subscription@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000010</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:setSubscription subscriberNumber="465273152000010">
          <air:originNodeType>ADM</air:originNodeType>
          <air:subscriberNumberNAI>1</air:subscriberNumberNAI>
          <air:serviceClass>
            <air:serviceClassAction>SetOriginal</air:serviceClassAction>
            <air:serviceClassCurrent>111</air:serviceClassCurrent>
            <air:serviceClassNew>112</air:serviceClassNew>
            <air:serviceClassValidationFlag>0</air:serviceClassValidationFlag>
            <air:externalData1>externaldata1</air:externalData1>
            <air:externalData2>externaldata2</air:externalData2>
            <air:chargingRequestInformation>
              <air:chargingType>1</air:chargingType>
              <air:chargingIndicator>1</air:chargingIndicator>
              <air:reservationCorrelationID>2147483647</air:reservationCorrelationID>
            </air:chargingRequestInformation>
          </air:serviceClass>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
        </air:setSubscription>
      </cai3:MOAttributes>
    </cai3:Set>
  </soapenv:Body>
</soapenv:Envelope>
```

Example 36 Set Subscription Request Message

Response Example

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3g="http://schemas.ericsson.com/cai3g1.2/">
  <S:Header>
    <cai3g:SessionId>e77cc74b16374525ac89dff7fd3ca4c6</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <SetResponse xmlns="http://schemas.ericsson.com/cai3g1.2/">
      <MOAttributes>
        <air:setSubscriptionResponse xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
          <air:subscriberNumber>465273152000010</air:subscriberNumber>
          <air:originTransactionID>14400530413366575140</air:originTransactionID>
        </air:setSubscriptionResponse>
      </MOAttributes>
    </SetResponse>
  </S:Body>
</S:Envelope>
```

Example 37 Set Subscription Response Message

4.3.9

Example of Updating Temporary Service Classes

This section gives an example of the `setSubscription` request and response message. This example shows how to update Temporary Service Classes for a subscriber.

Request Example



```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3="http://schemas.ericsson.com/cai3gl.2/"
  xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SessionId>e77cc74b16374525ac89dff7fd3ca4c6</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Set>
      <cai3:MOType>Subscription@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000010</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:setSubscription subscriberNumber="465273152000010">
          <air:originNodeType>ADM</air:originNodeType>
          <air:originHostName>node1</air:originHostName>
          <air:originTransactionID>14400530413366575140</air:originTransactionID>
          <air:originTimeStamp>2015-08-20T06:44:01+01:00</air:originTimeStamp>
          <air:subscriberNumberNAI>1</air:subscriberNumberNAI>
          <air:originOperatorID>operator</air:originOperatorID>
          <air:serviceClass>
            <air:serviceClassAction>SetTemporary</air:serviceClassAction>
            <air:serviceClassTemporary>113</air:serviceClassTemporary>
            <air:serviceClassTemporaryExpiryDate>
              2015-10-20T06:44:01+01:00
            </air:serviceClassTemporaryExpiryDate>
            <air:serviceClassTemporaryNew>114</air:serviceClassTemporaryNew>
            <air:serviceClassTemporaryNewExpiryDate>
              2015-10-20T06:44:01+01:00
            </air:serviceClassTemporaryNewExpiryDate>
            <air:serviceClassValidationFlag>0</air:serviceClassValidationFlag>
            <air:externalData1>external1</air:externalData1>
            <air:externalData2>external2</air:externalData2>
            <air:chargingRequestInformation>
              <air:chargingType>1</air:chargingType>
              <air:chargingIndicator>1</air:chargingIndicator>
              <air:reservationCorrelationID>2147483647</air:reservationCorrelationID>
            </air:chargingRequestInformation>
          </air:serviceClass>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
        </air:setSubscription>
      </cai3:MOAttributes>
    </cai3:Set>
  </soapenv:Body>
</soapenv:Envelope>
```

Example 38 Set Subscription Request Message

Response Example



```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3g="http://schemas.ericsson.com/cai3g1.2/">
  <S:Header>
    <cai3g:SessionId>e77cc74b16374525ac89dff7fd3ca4c6</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <SetResponse xmlns="http://schemas.ericsson.com/cai3g1.2/">
      <MOAttributes>
        <air:setSubscriptionResponse xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
          <air:subscriberNumber>465273152000010</air:subscriberNumber>
          <air:originTransactionID>14400530413366575140</air:originTransactionID>
          <air:originOperatorID>operator</air:originOperatorID>
          <air:accountFlagsAfter>
            <air:activationStatusFlag>0</air:activationStatusFlag>
            <air:negativeBarringStatusFlag>0</air:negativeBarringStatusFlag>
            <air:supervisionPeriodWarningActiveFlag>0</air:supervisionPeriodWarningActiveFlag>
            <air:serviceFeePeriodWarningActiveFlag>0</air:serviceFeePeriodWarningActiveFlag>
            <air:supervisionPeriodExpiryFlag>0</air:supervisionPeriodExpiryFlag>
            <air:serviceFeePeriodExpiryFlag>0</air:serviceFeePeriodExpiryFlag>
          </air:accountFlagsAfter>
          <air:accountFlagsBefore>
            <air:activationStatusFlag>0</air:activationStatusFlag>
            <air:negativeBarringStatusFlag>0</air:negativeBarringStatusFlag>
            <air:supervisionPeriodWarningActiveFlag>0</air:supervisionPeriodWarningActiveFlag>
            <air:serviceFeePeriodWarningActiveFlag>0</air:serviceFeePeriodWarningActiveFlag>
            <air:supervisionPeriodExpiryFlag>0</air:supervisionPeriodExpiryFlag>
            <air:serviceFeePeriodExpiryFlag>0</air:serviceFeePeriodExpiryFlag>
          </air:accountFlagsBefore>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
          <air:availableServerCapabilities>536879616</air:availableServerCapabilities>
        </air:setSubscriptionResponse>
      </MOAttributes>
    </SetResponse>
  </S:Body>
</S:Envelope>
```

Example 39 Set Subscription Response Message

4.3.10 Example of Updating Community List

This section gives an example of the `setSubscription` request and response message. This example shows how to update Community List for a subscriber.

Request Example 1

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SessionId>f35c9c9541064704bdacf099e88fed10</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Set>
      <cai3:MOType>Subscription@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000010</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:setSubscription subscriberNumber="465273152000010">
          <air:communityInformationCurrent>2,1</air:communityInformationCurrent>
          <air:communityInformationNew>1,2,3</air:communityInformationNew>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
        </air:setSubscription>
      </cai3:MOAttributes>
    </cai3:Set>
  </soapenv:Body>
</soapenv:Envelope>
```

Example 40 Set Subscription Request Message



Response Example 1

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3g="http://schemas.ericsson.com/cai3g1.2/">
  <S:Header>
    <cai3g:SessionId>f35c9c9541064704bdacf099e88fed10</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <SetResponse xmlns="http://schemas.ericsson.com/cai3g1.2/">
      <MOAttributes>
        <air:setSubscriptionResponse xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
          <air:subscriberNumber>465273152000010</air:subscriberNumber>
          <air:originTransactionID>14423792128496507931</air:originTransactionID>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
          <air:availableServerCapabilities>536879616</air:availableServerCapabilities>
        </air:setSubscriptionResponse>
      </MOAttributes>
    </SetResponse>
  </S:Body>
</S:Envelope>
```

Example 41 Set Subscription Response Message

Request Example 2

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SessionId>f35c9c9541064704bdacf099e88fed10</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Set>
      <cai3:MOType>Subscription@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000010</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:setSubscription subscriberNumber="465273152000010">
          <air:communityInformationCurrent>3,2,5</air:communityInformationCurrent>
          <air:communityInformationUpdate>
            <air:communityInformationAdd>15</air:communityInformationAdd>
            <air:communityInformationDelete>2,3</air:communityInformationDelete>
          </air:communityInformationUpdate>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
        </air:setSubscription>
      </cai3:MOAttributes>
    </cai3:Set>
  </soapenv:Body>
</soapenv:Envelope>
```

Example 42 Set Subscription Request Message

Response Example



```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3g="http://schemas.ericsson.com/cai3g1.2/">
  <S:Header>
    <cai3g:SessionId>f35c9c9541064704bdacf099e88fed10</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <SetResponse xmlns="http://schemas.ericsson.com/cai3g1.2/">
      <MOAttributes>
        <air:setSubscriptionResponse xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
          <air:subscriberNumber>465273152000010</air:subscriberNumber>
          <air:originTransactionID>14423847482453593884</air:originTransactionID>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
          <air:availableServerCapabilities>536879616</air:availableServerCapabilities>
        </air:setSubscriptionResponse>
      </MOAttributes>
    </SetResponse>
  </S:Body>
</S:Envelope>
```

Example 43 *Set Subscription Response Message*

4.3.11 Example of Updating Temporary Blocked

This section gives an example of the `setSubscription` request and response message. This example shows how to update Temporary Blocked for a subscriber.

Request Example

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SessionId>b1d212056dfb458e95daf0f652817e26</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Set>
      <cai3:MOType>Subscription@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000001</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:setSubscription subscriberNumber="465273152000001">
          <air:subscriberNumberNAI>1</air:subscriberNumberNAI>
          <air:temporaryBlockedFlag>1</air:temporaryBlockedFlag>
        </air:setSubscription>
      </cai3:MOAttributes>
    </cai3:Set>
  </soapenv:Body>
</soapenv:Envelope>
```

Example 44 *Set Subscription Request Message*

Response Example



```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3g="http://schemas.ericsson.com/cai3g1.2/">
  <S:Header>
    <cai3g:SessionId>b1d212056dfb458e95daf0f652817e26</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <SetResponse xmlns="http://schemas.ericsson.com/cai3g1.2/">
      <MOAttributes>
        <air:setSubscriptionResponse xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
          <air:subscriberNumber>465273152000001</air:subscriberNumber>
          <air:originTransactionID>14417897176209634802</air:originTransactionID>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
          <air:availableServerCapabilities>536879616</air:availableServerCapabilities>
        </air:setSubscriptionResponse>
      </MOAttributes>
    </SetResponse>
  </S:Body>
</S:Envelope>

```

Example 45 Set Subscription Response Message

4.3.12 Example of Updating Subscriber Segment

This section gives an example of the `setSubscription` request and response message. This example shows how to update Subscriber Segment for a subscriber.

Request Example 1

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SessionId>75738e5d12544f1f90417f5359229ffe</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Set>
      <cai3:MOType>Subscription@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000001</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:setSubscription subscriberNumber="465273152000001">
          <air:subscriberNumberNAI>1</air:subscriberNumberNAI>
          <air:accountGroupID>11</air:accountGroupID>
          <air:serviceOfferings>
            <air:serviceOfferingID>1</air:serviceOfferingID>
            <air:serviceOfferingActiveFlag>1</air:serviceOfferingActiveFlag>
          </air:serviceOfferings>
          <air:serviceOfferings>
            <air:serviceOfferingID>2</air:serviceOfferingID>
            <air:serviceOfferingActiveFlag>1</air:serviceOfferingActiveFlag>
          </air:serviceOfferings>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
        </air:setSubscription>
      </cai3:MOAttributes>
    </cai3:Set>
  </soapenv:Body>
</soapenv:Envelope>

```

Example 46 Set Subscription Request Message

Response Example 1



```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3g="http://schemas.ericsson.com/cai3gl.2/">
  <S:Header>
    <cai3g:SessionId>75738e5d12544f1f90417f5359229ffe</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <SetResponse xmlns="http://schemas.ericsson.com/cai3gl.2/">
      <MOAttributes>
        <air:setSubscriptionResponse xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
          <air:subscriberNumber>465273152000001</air:subscriberNumber>
          <air:originTransactionID>1442389963776495208</air:originTransactionID>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
          <air:availableServerCapabilities>536879616</air:availableServerCapabilities>
        </air:setSubscriptionResponse>
      </MOAttributes>
    </SetResponse>
  </S:Body>
</S:Envelope>
```

Example 47 Set Subscription Response Message

Request Example 2

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3="http://schemas.ericsson.com/cai3gl.2/"
  xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SessionId>75738e5d12544f1f90417f5359229ffe</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Set>
      <cai3:MOType>Subscription@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000001</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:setSubscription subscriberNumber="465273152000001">
          <air:subscriberNumberNAI>1</air:subscriberNumberNAI>
          <air:accountGroupID>22</air:accountGroupID>
          <air:serviceOfferingsValue>
            <air:serviceOfferingsValueAdd>8,16</air:serviceOfferingsValueAdd>
            <air:serviceOfferingsValueDelete>2,8</air:serviceOfferingsValueDelete>
            <air:serviceOfferingsValueCurrent>15</air:serviceOfferingsValueCurrent>
          </air:serviceOfferingsValue>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
        </air:setSubscription>
      </cai3:MOAttributes>
    </cai3:Set>
  </soapenv:Body>
</soapenv:Envelope>
```

Example 48 Set Subscription Request Message

Response Example 2



```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3g="http://schemas.ericsson.com/cai3g1.2/">
  <S:Header>
    <cai3g:SessionId>75738e5d12544f1f90417f5359229ffe</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <SetResponse xmlns="http://schemas.ericsson.com/cai3g1.2/">
      <MOAttributes>
        <air:setSubscriptionResponse xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
          <air:subscriberNumber>465273152000001</air:subscriberNumber>
          <air:originTransactionID>14423899734202446566</air:originTransactionID>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
          <air:availableServerCapabilities>536879616</air:availableServerCapabilities>
        </air:setSubscriptionResponse>
      </MOAttributes>
    </SetResponse>
  </S:Body>
</S:Envelope>

```

Example 49 Set Subscription Response Message

4.3.13

Example of Adding Periodic Account Management Data

This section gives an example of the `setSubscription` request and response message. This example shows how to add Periodic Account Management Data for a subscriber.

Request Example

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
  xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SessionId>aec38f67bb85422cadf1256a73ccdbaa</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Set>
      <cai3:MOType>Subscription</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000001</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:setSubscription subscriberNumber="465273152000001">
          <air:subscriberNumberNAI>1</air:subscriberNumberNAI>
          <air:originOperatorID>operator111</air:originOperatorID>
          <air:periodicAccountManagementData pamServiceID="11">
            <air:pamServiceID>11</air:pamServiceID>
            <air:pamClassID>21</air:pamClassID>
            <air:scheduleID>21</air:scheduleID>
          </air:periodicAccountManagementData>
          <air:periodicAccountManagementData pamServiceID="99">
            <air:pamServiceID>99</air:pamServiceID>
            <air:pamClassID>99</air:pamClassID>
            <air:scheduleID>222</air:scheduleID>
            <air:currentPamPeriod>pid-2015-10-1/a/b/c</air:currentPamPeriod>
            <air:deferredToDate>2015-10-08T12:00:00+00:00</air:deferredToDate>
            <air:pamServicePriority>65535</air:pamServicePriority>
          </air:periodicAccountManagementData>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
        </air:setSubscription>
      </cai3:MOAttributes>
    </cai3:Set>
  </soapenv:Body>
</soapenv:Envelope>

```

Example 50 Set Subscription Request Message



Response Example

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3g="http://schemas.ericsson.com/cai3gl.2/">
  <S:Header>
    <cai3g:SessionId>aec38f67bb85422cadf1256a73ccdbaa</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <SetResponse xmlns="http://schemas.ericsson.com/cai3gl.2/">
      <MOAttributes>
        <air:setSubscriptionResponse xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
          <air:subscriberNumber>465273152000001</air:subscriberNumber>
          <air:originTransactionID>14416947487057163409</air:originTransactionID>
          <air:originOperatorID>operator111</air:originOperatorID>
          <air:periodicAccountManagementData>
            <air:pamServiceID>11</air:pamServiceID>
            <air:currentPamPeriod>pid-21-20160907</air:currentPamPeriod>
          </air:periodicAccountManagementData>
          <air:periodicAccountManagementData>
            <air:pamServiceID>99</air:pamServiceID>
            <air:currentPamPeriod>pid-2015-10-1/a/b/c</air:currentPamPeriod>
          </air:periodicAccountManagementData>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
          <air:availableServerCapabilities>536879616</air:availableServerCapabilities>
        </air:setSubscriptionResponse>
      </MOAttributes>
    </SetResponse>
  </S:Body>
</S:Envelope>
```

Example 51 Set Subscription Response Message

4.3.14

Example of Setting Periodic Account Management Data

This section gives an example of the `setSubscription` request and response message. This example shows how to set the Periodic Account Management Data for a subscriber.

Request Example



```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
  xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Header>
    <cai3:SessionId>aec38f67bb85422cadf1256a73ccdbaa</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Set>
      <cai3:MOType>Subscription@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000002</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:setSubscription subscriberNumber="465273152000002">
          <air:subscriberNumberNAI>1</air:subscriberNumberNAI>
          <air:periodicAccountManagementData pamServiceID="99">
            <air:currentPamPeriod>pid-1003-1//x/y/z</air:currentPamPeriod>
            <air:deferredToDate>2019-12-31T12:12:31-06:00</air:deferredToDate>
            <air:pamServicePriority>99</air:pamServicePriority>
            <air:pamServicePriorityCurrent>222</air:pamServicePriorityCurrent>
          </air:periodicAccountManagementData>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
        </air:setSubscription>
      </cai3:MOAttributes>
    </cai3:Set>
  </soapenv:Body>
</soapenv:Envelope>

```

Example 52 Set Subscription Request Message

Response Example

```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3g="http://schemas.ericsson.com/cai3g1.2/">
  <S:Header>
    <cai3g:SessionId>aec38f67bb85422cadf1256a73ccdbaa</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <SetResponse xmlns="http://schemas.ericsson.com/cai3g1.2/">
      <MOAttributes>
        <air:setSubscriptionResponse xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
          <air:subscriberNumber>465273152000002</air:subscriberNumber>
          <air:originTransactionID>14416947501628497009</air:originTransactionID>
          <air:periodicAccountManagementData>
            <air:pamServiceID>99</air:pamServiceID>
            <air:currentPamPeriod>pid-1003-1//x/y/z</air:currentPamPeriod>
          </air:periodicAccountManagementData>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
          <air:availableServerCapabilities>536879616</air:availableServerCapabilities>
        </air:setSubscriptionResponse>
      </MOAttributes>
    </SetResponse>
  </S:Body>
</S:Envelope>

```

Example 53 Set Subscription Response Message

4.3.15

Example of Deleting Periodic Account Management Data

This section gives an example of the `setSubscription` request and response message. This example shows how to delete Periodic Account Management Data for a subscriber.

Request Example



```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
  xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Header>
    <cai3:SessionId>bd149057ac0941dfb77b53e198c6b3f0</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Set>
      <cai3:MOTType>Subscription@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOTType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000001</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:setSubscription subscriberNumber="465273152000001">
          <air:subscriberNumberNAI>1</air:subscriberNumberNAI>
          <air:originOperatorID>operator111</air:originOperatorID>
          <air:periodicAccountManagementData pamServiceID="11" xsi:nil="true"/>
          <air:periodicAccountManagementData pamServiceID="99" xsi:nil="true"/>
        </air:setSubscription>
      </cai3:MOAttributes>
    </cai3:Set>
  </soapenv:Body>
</soapenv:Envelope>
```

Example 54 Set Subscription Request Message

Response Example

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3g="http://schemas.ericsson.com/cai3g1.2/">
  <S:Header>
    <cai3g:SessionId>bd149057ac0941dfb77b53e198c6b3f0</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <SetResponse xmlns="http://schemas.ericsson.com/cai3g1.2/">
      <MOAttributes>
        <air:setSubscriptionResponse xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
          <air:subscriberNumber>465273152000001</air:subscriberNumber>
          <air:originTransactionID>14416947490109139963</air:originTransactionID>
          <air:originOperatorID>operator111</air:originOperatorID>
          <air:periodicAccountManagementData>
            <air:pamServiceID>11</air:pamServiceID>
            <air:pamClassID>21</air:pamClassID>
            <air:scheduleID>21</air:scheduleID>
            <air:currentPamPeriod>pid-21-20160907</air:currentPamPeriod>
            <air:pamServicePriority>0</air:pamServicePriority>
          </air:periodicAccountManagementData>
          <air:periodicAccountManagementData>
            <air:pamServiceID>99</air:pamServiceID>
            <air:pamClassID>99</air:pamClassID>
            <air:scheduleID>222</air:scheduleID>
            <air:currentPamPeriod>pid-2015-10-1/a/b/c</air:currentPamPeriod>
            <air:deferredToDate>2015-10-08T12:00:00+00:00</air:deferredToDate>
            <air:pamServicePriority>65535</air:pamServicePriority>
          </air:periodicAccountManagementData>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
          <air:availableServerCapabilities>536879616</air:availableServerCapabilities>
        </air:setSubscriptionResponse>
      </MOAttributes>
    </SetResponse>
  </S:Body>
</S:Envelope>
```

Example 55 Set Subscription Response Message



4.3.16 Example of Updating the Balance and Date Information

This section gives an example of the `setSubscription` request and response message. This example shows how to update Balance and Date Information for a subscriber.

Request Example

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SessionId>b4255a3261484ba4989daf4dbecd4aa8</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Set>
      <cai3:MOType>Subscription@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000001</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:setSubscription subscriberNumber="465273152000001">
          <air:subscriberNumberNAI>1</air:subscriberNumberNAI>
          <air:balanceAndDate>
            <air:messageCapabilityFlag>
<air:promotionNotificationFlag>1</air:promotionNotificationFlag>
              <air:firstIVRCallSetFlag>1</air:firstIVRCallSetFlag>
              <air:accountActivationFlag>1</air:accountActivationFlag>
            </air:messageCapabilityFlag>
            <air:transactionCurrency>SEK</air:transactionCurrency>
            <air:adjustmentAmountRelative>-1000</air:adjustmentAmountRelative>
<air:supervisionExpiryDateRelative>1</air:supervisionExpiryDateRelative>
            <air:serviceFeeExpiryDateRelative>1</air:serviceFeeExpiryDateRelative>
            <air:creditClearancePeriod>0</air:creditClearancePeriod>
            <air:serviceRemovalPeriod>0</air:serviceRemovalPeriod>
            <air:transactionType>SCC</air:transactionType>
            <air:transactionCode>EUC</air:transactionCode>
            <air:externalData1>exData1</air:externalData1>
            <air:externalData2>exData2</air:externalData2>
          </air:balanceAndDate>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
        </air:setSubscription>
      </cai3:MOAttributes>
    </cai3:Set>
  </soapenv:Body>
</soapenv:Envelope>
```

Example 56 Set Subscription Request Message

Response Example



```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3g="http://schemas.ericsson.com/cai3g1.2/">
  <S:Header>
    <cai3g:SessionId>b4255a3261484ba4989daf4dbecd4aa8</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <SetResponse xmlns="http://schemas.ericsson.com/cai3g1.2/">
      <MOAttributes>
        <air:setSubscriptionResponse xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
          <air:subscriberNumber>465273152000001</air:subscriberNumber>
          <air:originTransactionID>14467063394586463924</air:originTransactionID>
          <air:accountFlagsAfter>
            <air:activationStatusFlag>1</air:activationStatusFlag>
          <air:negativeBarringStatusFlag>0</air:negativeBarringStatusFlag>
          <air:supervisionPeriodWarningActiveFlag>0</air:supervisionPeriodWarningActiveFlag>
          <air:serviceFeePeriodWarningActiveFlag>0</air:serviceFeePeriodWarningActiveFlag>
          <air:supervisionPeriodExpiryFlag>0</air:supervisionPeriodExpiryFlag>
          <air:serviceFeePeriodExpiryFlag>0</air:serviceFeePeriodExpiryFlag>
          <air:accountFlagsBefore>
            <air:activationStatusFlag>1</air:activationStatusFlag>
          <air:negativeBarringStatusFlag>0</air:negativeBarringStatusFlag>
          <air:supervisionPeriodWarningActiveFlag>0</air:supervisionPeriodWarningActiveFlag>
          <air:serviceFeePeriodWarningActiveFlag>0</air:serviceFeePeriodWarningActiveFlag>
          <air:supervisionPeriodExpiryFlag>0</air:supervisionPeriodExpiryFlag>
          <air:serviceFeePeriodExpiryFlag>0</air:serviceFeePeriodExpiryFlag>
          <air:accountFlagsBefore>
            <air:currency1>SEK</air:currency1>
            <air:accountValue1>12000</air:accountValue1>
            <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
          <air:availableServerCapabilities>805646916</air:availableServerCapabilities>
        </air:setSubscriptionResponse>
      </MOAttributes>
    </SetResponse>
  </S:Body>
</S:Envelope>

```

Example 57 Set Subscription Response Message

4.3.17

Example of Updating Usage Thresholds and Counters

This section gives an example of the `setSubscription` request and response message. This example shows how to update Usage Thresholds and Counters for a subscriber.

Request Example



```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3="http://schemas.ericsson.com/cai3gl.2/"
  xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SessionId>fdcd4745c7bc42c4b2aff709c66b5879</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Set>
      <cai3:MOType>Subscription@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000001</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:setSubscription subscriberNumber="465273152000001"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
          <air:subscriberNumberNAI>1</air:subscriberNumberNAI>
          <air:usageThresholdsAndCounters>
            <air:transactionCurrency>SEK</air:transactionCurrency>
            <air:updateUsageCounterForMultiUser>1</air:updateUsageCounterForMultiUser>
            <air:usageCounterUpdateInformation>
              <air:usageCounterID>1</air:usageCounterID>
              <air:usageCounterValueNew>0</air:usageCounterValueNew>
              <air:associatedPartyID>001</air:associatedPartyID>
              <air:productID>1</air:productID>
            </air:usageCounterUpdateInformation>
            <air:usageCounterUpdateInformation>
              <air:usageCounterID>2</air:usageCounterID>
              <air:adjustmentUsageCounterValueRelative>-100</air:adjustmentUsageCounterValueRelative>
              <air:associatedPartyID>002</air:associatedPartyID>
            </air:usageCounterUpdateInformation>
            <air:usageCounterUpdateInformation>
              <air:usageCounterID>3</air:usageCounterID>
              <air:usageCounterMonetaryValueNew>0</air:usageCounterMonetaryValueNew>
              <air:productID>2</air:productID>
            </air:usageCounterUpdateInformation>
            <air:usageCounterUpdateInformation>
              <air:usageCounterID>4</air:usageCounterID>
              <air:adjustmentUsageCounterMonetaryValueRelative>
                -999999999999
              </air:adjustmentUsageCounterMonetaryValueRelative>
            </air:usageCounterUpdateInformation>
            <air:usageThresholdUpdateInformation usageThresholdID="1">
              <air:usageThresholdValueNew>0</air:usageThresholdValueNew>
              <air:associatedPartyID>1</air:associatedPartyID>
            </air:usageThresholdUpdateInformation>
            <air:usageThresholdUpdateInformation usageThresholdID="2">
              <air:usageThresholdMonetaryValueNew>0</air:usageThresholdMonetaryValueNew>
            </air:usageThresholdUpdateInformation>
          </air:usageThresholdsAndCounters>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
        </air:setSubscription>
      </cai3:MOAttributes>
    </cai3:Set>
  </soapenv:Body>
</soapenv:Envelope>

```

Example 58 Set Subscription Request Message

Response Example



```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3g="http://schemas.ericsson.com/cai3g1.2/">
  <S:Header>
    <cai3g:SessionId>fdcd4745c7bc42c4b2aff709c66b5879</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <SetResponse xmlns="http://schemas.ericsson.com/cai3g1.2/">
      <MOAttributes>
        <air:setSubscriptionResponse xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
          <air:subscriberNumber>465273152000001</air:subscriberNumber>
          <air:originTransactionID>14476335267953221512</air:originTransactionID>
          <air:currency1>SEK</air:currency1>
          <air:usageCounterUsageThresholdInformation>
            <air:usageCounterID>1</air:usageCounterID>
            <air:usageCounterValue>100</air:usageCounterValue>
            <air:usageCounterNominalValue>0</air:usageCounterNominalValue>
            <air:usageThresholdInformation>
              <air:usageThresholdID>1</air:usageThresholdID>
              <air:usageThresholdValue>0</air:usageThresholdValue>
              <air:usageThresholdSource>1</air:usageThresholdSource>
              <air:associatedPartyID>1</air:associatedPartyID>
            </air:usageThresholdInformation>
            <air:usageThresholdInformation>
              <air:usageThresholdID>2</air:usageThresholdID>
              <air:usageThresholdMonetaryValue1>0</air:usageThresholdMonetaryValue1>
              <air:usageThresholdMonetaryValue2>99999999999</air:usageThresholdMonetaryValue2>
              <air:usageThresholdSource>1</air:usageThresholdSource>
            </air:usageThresholdInformation>
            <air:associatedPartyID>001</air:associatedPartyID>
            <air:productID>1</air:productID>
          </air:usageCounterUsageThresholdInformation>
          <air:usageCounterUsageThresholdInformation>
            <air:usageCounterID>2</air:usageCounterID>
            <air:usageCounterMonetaryValue1>0</air:usageCounterMonetaryValue1>
            <air:usageCounterMonetaryNominalValue1>0</air:usageCounterMonetaryNominalValue1>
            <air:usageCounterMonetaryValue2>99999999999</air:usageCounterMonetaryValue2>
            <air:usageCounterMonetaryNominalValue2>99999999999</air:usageCounterMonetaryNominalValue2>
            <air:usageThresholdInformation>
              <air:usageThresholdID>3</air:usageThresholdID>
              <air:usageThresholdMonetaryValue1>0</air:usageThresholdMonetaryValue1>
              <air:usageThresholdSource>1</air:usageThresholdSource>
            </air:usageThresholdInformation>
          </air:usageCounterUsageThresholdInformation>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
          <air:availableServerCapabilities>809988676</air:availableServerCapabilities>
        </air:setSubscriptionResponse>
      </MOAttributes>
    </SetResponse>
  </S:Body>
</S:Envelope>

```

Example 59 Set Subscription Response Message

4.3.18 Example of Deleting a Usage Thresholds

This section gives an example of the `setSubscription` request and response message. This example shows how to delete a Usage Thresholds of a subscriber.

Request Example



```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
  xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SessionId>e8d576f2cfbe4c339db0e4bfc741df29</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Set>
      <cai3:MOType>Subscription<http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000001</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:setSubscription subscriberNumber="465273152000001"
          xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
          <air:subscriberNumberNAI>1</air:subscriberNumberNAI>
          <air:usageThresholdsAndCounters>
            <air:transactionCurrency>SEK</air:transactionCurrency>
            <air:updateUsageCounterForMultiUser>1</air:updateUsageCounterForMultiUser>
            <air:usageThresholdUpdateInformation usageThresholdID="1" xsi:nil="true"/>
            <air:usageThresholdUpdateInformation usageThresholdID="2" xsi:nil="true"/>
          </air:usageThresholdsAndCounters>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
        </air:setSubscription>
      </cai3:MOAttributes>
    </cai3:Set>
  </soapenv:Body>
</soapenv:Envelope>

```

Example 60 Set Subscription Request Message

Response Example

```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3g="http://schemas.ericsson.com/cai3g1.2/">
  <S:Header>
    <cai3g:SessionId>e8d576f2cfbe4c339db0e4bfc741df29</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <SetResponse xmlns="http://schemas.ericsson.com/cai3g1.2/">
      <MOAttributes>
        <air:setSubscriptionResponse xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
          <air:subscriberNumber>465273152000001</air:subscriberNumber>
          <air:originTransactionID>14476337020188483188</air:originTransactionID>
          <air:currency1>SEK</air:currency1>
          <air:usageThresholdInformation>
            <air:usageThresholdID>1</air:usageThresholdID>
            <air:usageThresholdMonetaryValue1>0</air:usageThresholdMonetaryValue1>
            <air:usageThresholdSource>1</air:usageThresholdSource>
          </air:usageThresholdInformation>
          <air:usageThresholdInformation>
            <air:usageThresholdID>2</air:usageThresholdID>
            <air:usageThresholdValue>0</air:usageThresholdValue>
            <air:usageThresholdSource>1</air:usageThresholdSource>
          </air:usageThresholdInformation>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
          <air:availableServerCapabilities>809988676</air:availableServerCapabilities>
        </air:setSubscriptionResponse>
      </MOAttributes>
    </SetResponse>
  </S:Body>
</S:Envelope>

```

Example 61 Set Subscription Response Message



4.3.19 Example of Updating Promotion Counters

This section gives an example of the `setSubscription` request and response message. This example shows how to update Promotion Counters for a subscriber.

Request Example

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SessionId>40550c9774f142a9ac0fdaf40c207b98</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Set>
      <cai3:MOType>Subscription@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000001</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:setSubscription subscriberNumber="465273152000001">
          <air:subscriberNumberNAI>1</air:subscriberNumberNAI>
          <air:promotionCounters>
            <air:transactionCurrency>SEK</air:transactionCurrency>
            <air:promotionRefillAmountRelative>
              999999999999
            </air:promotionRefillAmountRelative>
            <air:progressionRefillAmountRelative>
              999999999999
            </air:progressionRefillAmountRelative>
          </air:promotionCounters>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
        </air:setSubscription>
      </cai3:MOAttributes>
    </cai3:Set>
  </soapenv:Body>
</soapenv:Envelope>
```

Example 62 Set Subscription Request Message

Response Example



```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3g="http://schemas.ericsson.com/cai3g1.2/">
  <S:Header>
    <cai3g:SessionId>40550c9774f142a9ac0fdaf40c207b98</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <SetResponse xmlns="http://schemas.ericsson.com/cai3g1.2/">
      <MOAttributes>
        <air:setSubscriptionResponse xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
          <air:subscriberNumber>465273152000001</air:subscriberNumber>
          <air:originTransactionID>14471328837187422743</air:originTransactionID>
          <air:originOperatorID>sdz</air:originOperatorID>
          <air:currency1>SEK</air:currency1>
          <air:promotionRefillAccumulatedValue1>
            999999999999
          </air:promotionRefillAccumulatedValue1>
          <air:promotionRefillCounter>0</air:promotionRefillCounter>
          <air:progressionRefillValue1>999999999999</air:progressionRefillValue1>
          <air:progressionRefillCounter>0</air:progressionRefillCounter>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
          <air:availableServerCapabilities>805646916</air:availableServerCapabilities>
        </air:setSubscriptionResponse>
      </MOAttributes>
    </SetResponse>
  </S:Body>
</S:Envelope>

```

Example 63 Set Subscription Response Message

4.3.20 Example of Updating Refill Barring

This section gives an example of the setSubscription request and response message. This example shows how to update Refill Barring for a subscriber.

Request Example

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SessionId>e240d11d047a49aaa04e1d4959a8fd69</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Set>
      <cai3:MOType>Subscription@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000003</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:setSubscription subscriberNumber="465273152000003">
          <air:subscriberNumberNAI>1</air:subscriberNumberNAI>
          <air:refillBarring>
            <air:refillBarAction>BAR</air:refillBarAction>
            <air:refillUnbarDateTime>2016-11-20T06:44:01+01:00</air:refillUnbarDateTime>
          </air:refillBarring>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
        </air:setSubscription>
      </cai3:MOAttributes>
    </cai3:Set>
  </soapenv:Body>
</soapenv:Envelope>

```

Example 64 Set Subscription Request Message

Response Example



```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3g="http://schemas.ericsson.com/cai3g1.2/">
  <S:Header>
    <cai3g:SessionId>e240d11d047a49aaa04e1d4959a8fd69</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <SetResponse xmlns="http://schemas.ericsson.com/cai3g1.2/">
      <MOAttributes>
        <air:setSubscriptionResponse xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
          <air:subscriberNumber>465273152000003</air:subscriberNumber>
          <air:originTransactionID>14478359630645647626</air:originTransactionID>
          <air:refillUnbarDateTime>2016-11-20T06:44:01+01:00</air:refillUnbarDateTime>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
          <air:availableServerCapabilities>809988676</air:availableServerCapabilities>
        </air:setSubscriptionResponse>
      </MOAttributes>
    </SetResponse>
  </S:Body>
</S:Envelope>
```

Example 65 Set Subscription Response Message

4.3.21

Example of Updating the SubDedicate Account

This section gives an example of the `setSubscription` request and response message. This example shows how to update the SubDedicate Account for a subscriber.

Request Example



```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3="http://schemas.ericsson.com/cai3gl.2/"
  xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SessionId>238ea94132af49bea24dd2a9f97c00c2</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Set>
      <cai3:MOType>Subscription@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000002</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:setSubscription subscriberNumber="465273152000002">
          <air:subscriberNumberNAI>1</air:subscriberNumberNAI>
          <air:subDedicatedAccount>
            <air:transactionCurrency>SEK</air:transactionCurrency>
            <air:subDedicatedAccountUpdateInformation>
              <air:dedicatedAccountID>21</air:dedicatedAccountID>
              <air:subDedicatedAccountIdentifier>
                <air:startDateCurrent>2015-11-01T01:00:00+00:00</air:startDateCurrent>
                <air:expiryDateCurrent>2015-12-20T01:00:00+00:00</air:expiryDateCurrent>
              </air:subDedicatedAccountIdentifier>
            </air:subDedicatedAccountUpdateInformation>
            <air:adjustmentAmountRelative>999</air:adjustmentAmountRelative>
            <air:adjustmentDateRelative>1000</air:adjustmentDateRelative>
            <air:startDate>2015-10-08T12:12:12+02:00</air:startDate>
            <air:pamServiceID>99</air:pamServiceID>
            <air:expiryDateCurrent>2015-12-20T12:00:00+00:00</air:expiryDateCurrent>
            <air:startDateCurrent>2015-10-23T12:00:00+00:00</air:startDateCurrent>
            <air:dedicatedAccountUnitType>1</air:dedicatedAccountUnitType>
          </air:subDedicatedAccount>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
        </air:setSubscription>
      </cai3:MOAttributes>
    </cai3:Set>
  </soapenv:Body>
</soapenv:Envelope>
```

Example 66 Set Subscription Request Message

Response Example



```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3g="http://schemas.ericsson.com/cai3g1.2/">
  <S:Header>
    <cai3g:SessionId>238ea94132af49bea24dd2a9f97c00c2</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <SetResponse xmlns="http://schemas.ericsson.com/cai3g1.2/">
      <MOAttributes>
        <air:setSubscriptionResponse xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
          <air:subscriberNumber>465273152000002</air:subscriberNumber>
          <air:originTransactionID>14471328837187422743</air:originTransactionID>
          <air:originOperatorID>sdz</air:originOperatorID>
          <air:currency1>SEK</air:currency1>
          <air:dedicatedAccountChangeInformation>
            <air:dedicatedAccountID>21</air:dedicatedAccountID>
            <air:productID>21</air:productID>
            <air:dedicatedAccountValue1>21</air:dedicatedAccountValue1>
            <air:dedicatedAccountValue2>22</air:dedicatedAccountValue2>
            <air:expiryDate>2015-12-20T12:00:00+00:00</air:expiryDate>
            <air:startDate>2015-10-08T12:12:12+02:00</air:startDate>
            <air:pamServiceID>99</air:pamServiceID>
            <air:offerID>99</air:offerID>
            <air:closestExpiryDate>2015-10-08T12:12:12+02:00</air:closestExpiryDate>
            <air:closestExpiryValue1>99</air:closestExpiryValue1>
            <air:closestExpiryValue2>100</air:closestExpiryValue2>
            <air:closestAccessibleDate>2015-11-01T01:00:00+00:00</air:closestAccessibleDate>
            <air:closestAccessibleValue1>103</air:closestAccessibleValue1>
            <air:closestAccessibleValue2>102</air:closestAccessibleValue2>
            <air:dedicatedAccountActiveValue1>105</air:dedicatedAccountActiveValue1>
            <air:dedicatedAccountActiveValue2>106</air:dedicatedAccountActiveValue2>
            <air:subDedicatedAccountChangeInformation>
              <air:changedAmount1>110</air:changedAmount1>
              <air:changedAmount2>112</air:changedAmount2>
              <air:dedicatedAccountValue1>21</air:dedicatedAccountValue1>
              <air:dedicatedAccountValue2>22</air:dedicatedAccountValue2>
              <air:changedExpiryDate>25</air:changedExpiryDate>
              <air:newExpiryDate>2011-01-18T14:15:21+02:00</air:newExpiryDate>
              <air:clearedExpiryDate>2015-11-01T01:00:00+00:00</air:clearedExpiryDate>
              <air:changedStartDate>25</air:changedStartDate>
              <air:newStartDate>2011-01-18T14:15:21+02:00</air:newStartDate>
              <air:clearedStartDate>2015-11-01T01:00:00+00:00</air:clearedStartDate>
            </air:subDedicatedAccountChangeInformation>
            <air:dedicatedAccountUnitType>1</air:dedicatedAccountUnitType>
          </air:dedicatedAccountChangeInformation>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
          <air:availableServerCapabilities>805646916</air:availableServerCapabilities>
        </air:setSubscriptionResponse>
      </MOAttributes>
    </SetResponse>
  </S:Body>
</S:Envelope>
```

Example 67 Set Subscription Response Message

4.3.22 Example of Deleting the Dedicate Account

This section gives an example of the `setSubscription` request and response message. This example shows how to update the Dedicate Account for a subscriber.

Request Example



```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
  xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SessionId>2c9389000c2c4af0b2a5977e41704954</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Set>
      <cai3:MOType>Subscription@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000002</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:setSubscription subscriberNumber="465273152000002">
          <air:subscriberNumberNAI>1</air:subscriberNumberNAI>
          <air:deleteDedicatedAccounts>
            <air:serviceClassCurrent>21</air:serviceClassCurrent>
            <air:dedicatedAccountIdentifier>
              <air:dedicatedAccountID>21</air:dedicatedAccountID>
              <air:expiryDate>2015-12-20T01:00:00+00:00</air:expiryDate>
              <air:productID>21</air:productID>
            </air:dedicatedAccountIdentifier>
          </air:deleteDedicatedAccounts>
          <air:negotiatedCapabilities>64</air:negotiatedCapabilities>
        </air:setSubscription>
      </cai3:MOAttributes>
    </cai3:Set>
  </soapenv:Body>
</soapenv:Envelope>

```

Example 68 Set Subscription Request Message

Response Example

```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3g="http://schemas.ericsson.com/cai3g1.2/">
  <S:Header>
    <cai3g:SessionId>2c9389000c2c4af0b2a5977e41704954</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <SetResponse xmlns="http://schemas.ericsson.com/cai3g1.2/">
      <MOAttributes>
        <air:setSubscriptionResponse xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
          <air:subscriberNumber>465273152000002</air:subscriberNumber>
          <air:originTransactionID>14416947486266349809</air:originTransactionID>
          <air:originOperatorID>gzg</air:originOperatorID>
          <air:currency1>SEK</air:currency1>
          <air:dedicatedAccountDeleteInformation>
            <air:dedicatedAccountID>21</air:dedicatedAccountID>
            <air:productID>21</air:productID>
            <air:dedicatedAccountValue1>211</air:dedicatedAccountValue1>
            <air:dedicatedAccountValue2>212</air:dedicatedAccountValue2>
            <air:expiryDate>2015-12-01T01:00:00+00:00</air:expiryDate>
            <air:startDate>2015-11-01T01:00:00+00:00</air:startDate>
            <air:pamServiceID>21</air:pamServiceID>
            <air:offerID>213</air:offerID>
          <air:subDedicatedAccountInformation>
            <air:dedicatedAccountValue1>21</air:dedicatedAccountValue1>
            <air:dedicatedAccountValue2>212</air:dedicatedAccountValue2>
            <air:startDate>2015-11-01T01:00:00+00:00</air:startDate>
            <air:expiryDate>2015-12-01T01:00:00+00:00</air:expiryDate>
          </air:subDedicatedAccountInformation>
          <air:dedicatedAccountUnitType>1</air:dedicatedAccountUnitType>
        </air:dedicatedAccountDeleteInformation>
        <air:negotiatedCapabilities>64</air:negotiatedCapabilities>
        <air:availableServerCapabilities>805646916</air:availableServerCapabilities>
      </air:setSubscriptionResponse>
    </MOAttributes>
  </SetResponse>
</S:Body>
</S:Envelope>

```

Example 69 Set Subscription Response Message



5 Delete AIR Subscription

This section covers the AIR command `deleteSubscription`.

MOType

`Subscription@http://schemas.ericsson.com/ma/CS/AIR/`

5.1 Request Data

5.1.1 Parameters

MOId

Table 16 Delete Subscription MOId

Parameter	Type	Occurrence	Description
subscriberNumber	String, 1 - 28 digits	Mandatory	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by subscriberNumberNAI parameter.

MOAttributes

Table 17 covers the parameters that can be used in a `deleteSubscription` request.

Table 17 Delete Subscription Parameters

Parameter	Type	Occurrence	Description
originNodeType	String Enumeration value="EXT" Enumeration value="AIR" Enumeration value="ADM" Enumeration value="UGW" Enumeration value="IVR" Enumeration value="OGW" Enumeration value="SDP"	Optional (0-1)	<p>The parameter contains the origin node type that is set by AIR or provided by an external network element. It contains the type of the logical node from where the operation originated. External network elements are not allowed to use the reserved names on network element types, (except EXT).</p> <p>Network Element Type:</p> <p>EXT:External system</p> <p>AIR:Account information and refill</p> <p>ADM:Administrative system</p> <p>UGW: USSD gateway</p> <p>IVR :Interactive voice response system</p> <p>OGW: On-line gateway</p> <p>SDP: Service data point</p> <p>If this parameter is absent from the request, Dynamic Activation will generate "ADM" as the parameter to NEs</p>
originHostName	String, 1 - 255 characters	Optional (0-1)	<p>The identifier string for the host where the operation originated from. The host name shall be unique within the network for a given network element type.</p> <p>If this parameter is absent from the request, Dynamic Activation will generate PGN node name, which the character "-" replaced by "" as the parameter to NEs</p>



Parameter	Type	Occurrence	Description
originTransactionID	String, 0 - 9999 9999 9999 9999 9999 digits Each digit is 0-9	Optional (0-1)	<p>The Unique identifier for the transaction, generated by the system it was initiated from.</p> <p>The value in this parameter must be unique per operation and can be a sequence number. An operation in this case is for example a refill.</p> <p>If this parameter is absent from the request, Dynamic Activation will generate System time milliseconds plus seven random digital numbers as the parameter to NEs.</p>
originTimeStamp	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	<p>The date and time of sending the request by the entity that initiated the operation.</p> <p>If this parameter is absent from the request, Dynamic Activation will generate PGN system time plus the default "+0100" or the configured ChargingTimeZone value in Activation Logic as the parameter to NEs. Refer to <i>User Guide for Resource Activation</i>, Reference [4] for details of Activation Logic</p>
subscriberNumberNAI	Integer, 0 - 2 0 = National number (with prefix) 1 = International number 2 = National significant number (without prefix)	Optional (0-1)	The Nature of Address Indicator identifies the format of the subscriberNumber parameter.



Parameter	Type	Occurrence	Description
originOperatorID	String, 1 - 255 characters	Optional (0-1)	<p>The identity of the system user or the session from where the operation was initiated. It might be used for security management or logging purposes for an example.</p> <p>If this parameter is absent from the request, Dynamic Activation will generate the default "operator" or the configured OriginOperatorId value in Activation Logic as the parameter to NEs. Refer to <i>User Guide for Resource Activation</i>, Reference [4] for details of Activation Logic configure.</p>
deleteReasonCode	Integer, 0 - 255	Optional (0-1)	<p>This parameter allows the user to set a reason to why an account and/or subscriber is deleted.</p> <p>Zero reserved for Service expired, as defined by the life cycle of the account</p>
barring	Boolean, { 0,1 } 0 (false) = No barring 1 (true) = Barring (default)	Optional (0-1)	Indicate whether barring in HLR is to be performed prior to deletion.
negotiatedCapabilities	Integer, 0 - 2147483647	Optional (0-n)	<p>Indicate the negotiated capabilities between the client and server node.</p> <p>The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active.</p>

5.2 Response Data

5.2.1 Parameters

MOId



Table 18 Delete Subscription Parameters

Parameter	Type	Occurrence	Description
subscriberNumber	String, 1 - 28 digits	Mandatory	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by subscriberNumberNAI parameter.

MOAttributes

Table 19 covers the parameters that can be used in a deleteSubscription response.

Table 19 Delete Subscription Parameters

Parameter	Type	Occurrence	Description
subscriberNumber	String, 1 - 28 digits	Mandatory	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by subscriberNumberNAI parameter.
originTransactionID	String, 0 - 9999 9999 9999 9999 digits	Optional (0-1)	Reference to a single operation, generated by the system it was initiated from. The value in this parameter must be unique per operation and can be a sequence number. For example, an operation in this case is a refill.
originOperatorID	String, 1 - 255 characters	Optional (0-1)	The identity of the system user or the session from where the operation was initiated. It might be used for security management or logging purposes for an example.
currency1	String, Currency	Optional (0-1)	The first currency to be presented to the end user. For example, SEK, EUR, USD, etc.
currency2	String, Currency	Optional (0-1)	The second currency to be presented to the end user. For example, SEK, EUR, USD, etc.
balanceCleared1	String, -999 999 999 999 to 999 999 999 999 price	Optional (0-1)	This parameter contain amount cleared for the subscriber's main account when deleted. It indicates that the balance is in the first currency.
balanceCleared2	String, -999 999 999 999 to 999 999 999 999 price	Optional (0-1)	This parameter contain amount cleared for the subscriber's main account when deleted. It indicates that the balance is in the first currency.
communityInformationCurrent	String	Optional (0-1)	The community the subscriber currently belongs to.



Parameter	Type	Occurrence	Description
accountGroupID	Integer, 0 – 2147483647	Optional (0-1)	The Account Group identity for the account. 0 indicate clearing of account group (when set to 0 the account does not belong to any account group).
serviceOfferings	Sub-MO	Optional (0-n)	The values of the service offerings defined on an account. It has to be matched to the definitions of the tariff tree.
serviceOfferingID	Integer, 1 - 31	Mandatory	The identity of a current service offering defined on an account.
serviceOfferingActiveFlag	Boolean { 0, 1 } 0 (false) = The service offering is not active. 1 (true) = The service offering is active.	Mandatory	Whether a specific service offering pointed out by the serviceOfferingID parameter is active or not.
serviceClassCurrent	Integer, 0 - 9999	Optional (0-1)	The service class currently used by the subscriber.
languageIDCurrent	Integer, 1 - 4 1 = Operat or specific language 1 2 = Operat or specific language 2 3 = Operat or specific language 3 4 = Operat or specific language 4	Optional (0-1)	The preferred language of subscriber.
ussdEndOfCallNotificationID	Integer, 0 - 255 0–199 = As defined in the tariff trees 200–254 = Reserved 255 = No ID assigned (clears previously assigned ID)	Optional (0-1)	This parameter identifies which decision tree to use, when selecting the appropriate USSD text string for the End of Call Notification message to the subscriber.



Parameter	Type	Occurrence	Description
serviceFeeExpiryDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The expiry date of the service fee period.
supervisionExpiryDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The expiry date of the supervision period.
creditClearancePeriod	Integer, 0 - 1023	Optional (0-1)	The period until credit clearance.
serviceRemovalPeriod	Integer, 0 - 1023	Optional (0-1)	The period until service removal.
refillUnbarDateTime	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The date and time when a refill barred subscriber is unbarred and is allowed to do a new refill.
accountFlags	Sub-MO	Optional (0-1)	The life cycle state flags of the account, indicating the actual status of the account.



Parameter	Type	Occurrence	Description
activationStatusFlag	Boolean { 0, 1 } 0 (false) = Default value. Account is not activated 1 (true) = Account is activated	Optional (0-1)	Indicate whether an account is activated or not.
negativeBarringStatusFlag	Boolean { 0, 1 } 0 (false) = Default value. Account is not barred due to negative balance. 1 (true) = Account is barred due to negative balance.	Optional (0-1)	Indicate whether an account is barred due to negative balance or not.
supervisionPeriodWarningActiveFlag	Boolean { 0, 1 } 0 (false) = Default value. Supervision period date expiration warning not active. 1 (true) = Supervision period date expiration warning active.	Optional (0-1)	Indicate whether the supervision period date expiration warning is active or not.
serviceFeePeriodWarningActiveFlag	Boolean { 0, 1 } 0 (false) = Default value. Service fee period date expiration warning not active. 1 (true) = Service fee period date expiration warning active	Optional (0-1)	Indicate whether the service fee period date expiration warning is active or not.



Parameter	Type	Occurrence	Description
supervisionPeriodExpiryFlag	Boolean { 0, 1 } 0 (false) = Default value. Supervision period date has not expired. 1 (true) = Supervision period date has expired.	Optional (0-1)	Indicate whether the supervision period date has expired or not.
serviceFeePeriodExpiryFlag	Boolean { 0, 1 } 0 (false) = Default value. Service fee period date has not expired. 1 (true) = Service fee period date has expired.	Optional (0-1)	Indicate if the service fee period date has expired or not.
serviceClassOriginal	Integer, 0 - 9999	Optional (0-1)	The identity of the original service class when a temporary service class is active for an account. In case serviceClassOriginal is returned then the serviceClassCurrent will contain the temporary service class currently active for the account. When a temporary service class is active and a Return Service Class ID is specified, the serviceClassOriginal parameter will contain the identity of the return service class instead of the original service class. The account will then return to the specified Return Service Class ID when the temporary service class expires.
serviceClassTemporaryExpiryDate	DateTime .iso8601: YYYY-MM-DDThh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00		The expiry date of a temporary service class of an account. A temporary service class has precedence before the normally assigned service class, as long as the temporary service class date expiry date is not passed.



Parameter	Type	Occurrence	Description
activationDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The activation date of an account. Subordinate subscribers will contain the activation date of the master account. Element Value Range: DateMin to DateToday
promotionPlanID	String, 1 - 4	Optional (0-1)	The identity of one of the current promotion plans of a subscriber.
promotionStartDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	Start date of the associated promotion plan.
promotionEndDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	End date of the associated promotion plan.
promotionRefillCounter	Integer, 0 - 255	Optional (0-1)	The accumulated number of account refills within the current promotion plan of a subscriber.
promotionRefillAccumulatedValue1	String, 0 - 999 999 999 999 price	Optional (0-1)	The accumulated value of account refills made within the current promotion plan of a subscriber. It indicates the value in the first currency.



Parameter	Type	Occurrence	Description
promotionRefillAccumulatedValue2	String, 0 - 999 999 999 999 price	Optional (0-1)	The accumulated value of account refills made within the current promotion plan of a subscriber. It indicates the value in the second currency.
progressionRefillValue1	String, 0 - 999 999 999 999 price	Optional (0-1)	The accumulated value of refills for promotion plan progression. It indicates the value in the first currency.
progressionRefillValue2	String, 0 - 999 999 999 999 price	Optional (0-1)	The accumulated value of refills for promotion plan progression. It indicates the value in the second currency.
progressionRefillCounter	Integer, 0 - 255	Optional (0-1)	The value of the accumulated number of refills for promotion plan progression.
dedicatedAccountDeleteInformation	Sub-MO	Optional (0-n)	Balances and dates for dedicated accounts.
dedicatedAccountID	Integer, 1 - 2147483 647	Mandatory	The identity of the dedicated account in order to be able to distinguish between the various dedicated accounts in an array of dedicated accounts.
productID	Integer, 0 - 2147483 647	Optional (0-1)	The identity of a product. Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.
dedicatedAccountValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events. If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted. When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807. It indicates the balance in the first currency.



Parameter	Type	Occurrence	Description
dedicatedAccountValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p> <p>It indicates the balance in the second currency.</p>
expiryDate	<p>DateTime .iso8601: YYYY-M M-DDT hh:mm:ss sTZ</p> <p>TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11-24T23:59:59+08:00</p>	Optional (0-1)	<p>The expiry date for a dedicated account.</p> <p>Element Value Range: DateMin to DateMax or DateInfinite</p>
startDate	<p>DateTime .iso8601: YYYY-M M-DDT hh:mm:ss sTZ</p> <p>TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11-24T23:59:59+08:00</p>	Optional (0-1)	<p>The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used.</p> <p>Element Value Range: DateMin to DateMax or DateBeginningOfTime</p>
pamServiceID	Integer, 0 - 99	Optional (0-1)	The id of the periodic account management service.
offerID	Integer, 1 - 2147483 647	Optional (0-1)	The identity of an offer.
subDedicatedAccountInformation	Sub-MO	Optional (0-n)	Information about the changes made to a sub dedicated account.



Parameter	Type	Occurrence	Description
dedicatedAccountValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p> <p>It indicates the balance in the first currency.</p>
dedicatedAccountValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p> <p>It indicates the balance in the second currency.</p>
expiryDate	Integer, -65535 to 65535	Optional (0-1)	The number of days the expiry date for a dedicated account has been changed as a result of the operation. The value is given in number of days.
startDate	<p>DateTime .iso8601: YYYY-M M-DDT hh:mm:ssTZ</p> <p>TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11-24T23:59:59+08:00</p>	Optional (0-1)	<p>The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used.</p> <p>Value Range: DateMin to DateMax or DateBeginningOfTime</p>



Parameter	Type	Occurrence	Description
dedicatedAccountUnitType	Integer, 0 - 6 0 = The account contains time. 1 = The account contains money. 2 - 4 = The account contains total octets (Not used, reserved for future use). 5 = The account contains service specific units. 6 = The account contains volume.	Optional (0-1)	The unit of the dedicated account values and is mandatory if the function "multi unit" is active, in other case it is optional.
offerInformation	Sub-MO	Optional (0-n)	Dates (or dates and time) for offers.
offerID	Integer, 0 - 2147483647	Optional (0-1)	The identity of an offer.
startDate	DateTime .iso8601: YYYY-MM-DDT hh:mm:ss sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used. Value Range: DateMin to DateMax or DateBeginningOfTime



Parameter	Type	Occurrence	Description
expiryDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The expiry date for a dedicated account, Value Range: DateMin to DateMax or DateInfinite
startDateTime	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The start date and time for an offer. Value Range: DateMin to DateMax or DateBeginningOfTime
expiryDateTime	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The expiry date and time. Value Range: DateMin to DateMax or DateInfinite
pamServiceID	Integer, 0 - 99	Optional (0-1)	The id of the periodic account management service.
offerType	Integer, 0 - 7	Optional (0-1)	The identifies the offer type.



Parameter	Type	Occurrence	Description
offerState	Integer, 0 - 99 0 = Enabled offer state 1 = Disabled offer state 2-99 = Reserved for future use	Optional (0-1)	Specifies the actual offer state to return in a GetOfferrequest.
offerProviderID	String, 1 - 28 digits	Optional (0-1)	The subscriber number as represented in the SDP database for the provider.
productID	Integer, 0 - 2147483647	Optional (0-1)	The identity of a product. Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.
usageCounterUsageThresholdInformation	Sub-MO	Optional (0-n)	All active usage counters with their thresholds for a subscriber.
usageCounterID	Integer, 1 - 2147483647	Mandatory	The id of a usage counter.
usageCounterValue	String, 0 - 9 223 372 036 854 775 807 digits	Optional (0-1)	The value of a non-monetary usage counter.
usageCounterNominalValue	String, 0 - 9 223 372 036 854 775 807 digits	Optional (0-1)	The value of a non-monetary usage counter, without any factor.
usageCounterMonetaryValue1	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage counter. It indicates a usage counter amount in the first currency.
usageCounterMonetaryNominalValue1	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage counter, without any factor. It indicates a usage counter amount in the first currency.
usageCounterMonetaryValue2	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage counter. It indicates a usage counter amount in the second currency.
usageCounterMonetaryNominalValue2	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage counter, without any factor. It indicates a usage counter amount in the second currency.



Parameter		Type	Occurrence	Description
	usageThresholdInformation	Sub-MO	Optional (0-n)	All information about a usage threshold. Depending on the usage counted the threshold value is represented either in the usageThresholdValue parameter or the usageThresholdMonetaryValue1 or usageThresholdMonetaryValue2 parameter. The usageThresholdSource parameter can not be updated but is included in responses.
	usageThresholdID	Integer, 1 - 2147483647	Mandatory	The ID of a usage threshold.
	usageThresholdValue	String, 0 - 9 223 372 036 854 775 807 digits	Optional (0-1)	The value of a non-monetary usage threshold.
	usageThresholdMonetaryValue1	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage threshold. It indicates a usage threshold amount in the first currency.
	usageThresholdMonetaryValue2	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage threshold. It indicates a usage threshold amount in the second currency.
	usageThresholdSource	Integer, 1 - 3 1 = Personal - The threshold has been changed to a value other than the usage counter definition and is fetched from the subscriber. 2 = Common - The threshold has been changed to an individual value for a provider shared by all consumers. 3 = Default - The threshold value fetched from the usage counter definition.	Optional (0-1)	The source of a usage threshold.
	associatedPartyID	String, 1 - 28 digits	Optional (0-1)	The subscriber identity of the consumer or provider. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes.



Parameter	Type	Occurrence	Description
associatedPartyID	String, 1 - 28 digits	Optional (0-1)	The subscriber identity of the consumer or provider. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes.
productID	Integer, 0 - 2147483647	Optional (0-1)	The identity of a product. Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.
dedicatedAccountChangeInformation	Sub-MO	Optional (0-n)	Information of changes done to balances and dates for dedicated accounts.
dedicatedAccountID	Integer, 1 - 2147483647	Mandatory	The identity of the dedicated account in order to be able to distinguish between the various dedicated accounts in an array of dedicated accounts.
productID	Integer, 0 - 2147483647	Optional (0-1)	The identity of a product. Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.
dedicatedAccountValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events. If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted. When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807. It indicates the balance in the first currency.
dedicatedAccountValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events. If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted. When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807. It indicates the balance in the second currency.



Parameter	Type	Occurrence	Description
expiryDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The expiry date for a dedicated account. Element Value Range: DateMin to DateMax or DateInfinite
startDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used. Element Value Range: DateMin to DateMax or DateBeginningOfTime
pamServiceID	Integer, 0 - 99	Optional (0-1)	The id of the periodic account management service.
offerID	Integer, 1 - 2147483 647	Optional (0-1)	The identity of an offer.
closestExpiryDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The date when the next sub dedicated account(s) will expire, this include both active and inactive sub dedicated accounts. DateToday to DateMax



Parameter	Type	Occurrence	Description
closestExpiryValue1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest expiry date, this include both active and in active sub dedicated accounts. It indicates the balance of the first currency. If the unit type is other than money the closestExpiryValue1 contains the amount of the valid units and closestExpiryValue2 is omitted.
closestExpiryValue2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest expiry date, this include both active and in active sub dedicated accounts. It indicates the balance of the second currency. If the unit type is other than money the closestExpiryValue1 contains the amount of the valid units and closestExpiryValue2 is omitted.
closestAccessibleDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm m For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date when the next sub dedicated account(s) will be accessible. This parameter is only valid for composite dedicated accounts. DateToday to DateMax
closestAccessibleValue1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest start date. This parameter is only valid for composite dedicated accounts. It indicates the balance in the first currency. If the unit type is other than money the closestAccessibleValue1 contains the sum of the valid units and closestAccessibleValue2 is omitted.
closestAccessibleValue2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest start date. This parameter is only valid for composite dedicated accounts. It indicates the balance in the second currency. If the unit type is other than money the closestAccessibleValue1 contains the sum of the valid units and closestAccessibleValue2 is omitted.
dedicatedAccountActiveValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	This parameter contains a dedicated account balance that can be consumed right now. This is not taking in consideration any ongoing chargeable events. The active value is only valid for composite dedicated account as they can have resources that becomes accessible later. It indicates that the balance is in the first currency. If the unit type is other than money the dedicatedAccountActiveValue1 contains the sum of the valid units and dedicatedAccountActiveValue2 is omitted.



Parameter	Type	Occurrence	Description
dedicatedAccountActiveValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>This parameter contains a dedicated account balance that can be consumed right now. This is not taking in consideration any ongoing chargeable events. The active value is only valid for composite dedicated account as they can have resources that becomes accessible later.</p> <p>It indicates that the balance is in the second currency.</p> <p>If the unit type is other than money the dedicatedAccountActiveValue1 contains the sum of the valid units and dedicatedAccountActiveValue2 is omitted.</p>
subDedicatedAccountChangeInformation	Sub-MO	Optional (0-n)	Information about the changes made to a sub dedicated account.
changedAmount1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The parameter defines changed values on a main or dedicated account.</p> <p>It indicates a changed amount in the first currency.</p> <p>If the unit type is other than money the changedAmount1 contains the amount of the valid units and changedAmount2 is omitted.</p>
changedAmount2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The parameter defines changed values on a main or dedicated account.</p> <p>It indicates a changed amount in the second currency.</p> <p>If the unit type is other than money the changedAmount1 contains the amount of the valid units and changedAmount2 is omitted.</p>
dedicatedAccountValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p> <p>It indicates the balance in the first currency.</p>



Parameter	Type	Occurrence	Description
dedicatedAccountValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p> <p>It indicates the balance in the second currency.</p>
changedExpiryDate	Integer, -65535 to 65535	Optional (0-1)	The number of days the expiry date for a dedicated account has been changed as a result of the operation. The value is given in number of days.
newExpiryDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The new expiry date for a dedicated account.
clearedExpiryDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	<p>The previous expiry date for a cleared dedicated account.</p> <p>DateMin to DateMax or DateInfinite</p>
changedStartDate	Integer, -65535 to 65535	Optional (0-1)	The number of days the start date for a dedicated account has been changed as a result of the operation. The value is given in number of days.



Parameter	Type	Occurrence	Description
newStartDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The new start date for a dedicated account. DateMin to DateMax or DateBeginningOfTime
clearedStartDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The previous start date for a cleared dedicated account. DateMin to DateMax or DateBeginningOfTime
dedicatedAccountUnitType	Integer, 0 - 6 0 = The account contains time. 1 = The account contains money. 2 - 4 = The account contain s total octets (Not used, reserved for future use). 5 = The account contains service specific units. 6 = The account contains volume.	Optional (0-1)	The unit of the dedicated account values and is mandatory if the function "multi unit" is active, in other case it is optional.



Parameter	Type	Occurrence	Description
dedicatedAccountInformation	Sub-MO	Optional (0-n)	Balances and dates for dedicated accounts.
dedicatedAccountID	Integer, 1 - 2147483647	Mandatory	The identity of the dedicated account in order to be able to distinguish between the various dedicated accounts in an array of dedicated accounts.
dedicatedAccountValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>It indicates that the balance is in the first currency.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p>
dedicatedAccountValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>It indicates that the balance is in the second currency.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p>
expiryDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:ss sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	<p>The expiry date for a dedicated account.</p> <p>Element Value Range: DateMin to DateMax or DateInfinite</p>



Parameter	Type	Occurrence	Description
startDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used. Element Value Range: DateMin to DateMax or DateBeginningOfTime
pamServiceID	Integer, 0 - 99	Optional (0-1)	The id of the periodic account management service.
offerID	Integer, 1 - 2147483 647	Optional (0-1)	The identity of an offer.
productID	Integer, 0 - 2147483 647	Optional (0-1)	The identity of a product. Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.
closestExpiryDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The date when the next sub dedicated account(s) will expire, this include both active and inactive sub dedicated accounts. DateToday to DateMax
closestExpiryValue1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest expiry date, this include both active and in active sub dedicated accounts. It indicates the balance of the first currency. If the unit type is other than money the closestExpiryValue1 contains the amount of the valid units and closestExpiryValue2 is omitted.
closestExpiryValue2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest expiry date, this include both active and in active sub dedicated accounts. It indicates the balance of the second currency. If the unit type is other than money the closestExpiryValue1 contains the amount of the valid units and closestExpiryValue2 is omitted.



Parameter	Type	Occurrence	Description
closestAccessibleDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:ss sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The date when the next sub dedicated account(s) will be accessible. This parameter is only valid for composite dedicated accounts. DateToday to DateMax
closestAccessibleValue1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest start date. This parameter is only valid for composite dedicated accounts. It indicates the balance in the first currency. If the unit type is other than money the closestAccessibleValue1 contains the sum of the valid units and closestAccessibleValue2 is omitted.
closestAccessibleValue2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest start date. This parameter is only valid for composite dedicated accounts. It indicates the balance in the second currency. If the unit type is other than money the closestAccessibleValue1 contains the sum of the valid units and closestAccessibleValue2 is omitted.
subDedicatedAccountInformation	Sub-MO	Optional (0-n)	Balances and dates for sub dedicated accounts.
dedicatedAccountValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events. It indicates that the balance is in the first currency. If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted. When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.



Parameter	Type	Occurrence	Description
dedicatedAccountValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>It indicates that the balance is in the second currency.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p>
expiryDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	<p>The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used.</p> <p>Element Value Range: DateMin to DateMax or DateBeginningOfTime</p>
startDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	<p>The expiry date for a dedicated account.</p> <p>Element Value Range: DateMin to DateMax or DateInfinite</p>



Parameter	Type	Occurrence	Description
dedicatedAccountActiveValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>This parameter contains a dedicated account balance that can be consumed right now. This is not taking in consideration any ongoing chargeable events. The active value is only valid for composite dedicated account as they can have resources that becomes accessible later.</p> <p>It indicates that the balance is in the first currency.</p> <p>If the unit type is other than money the dedicatedAccountActiveValue1 contains the sum of the valid units and dedicatedAccountActiveValue2 is omitted.</p>
dedicatedAccountActiveValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>This parameter contains a dedicated account balance that can be consumed right now. This is not taking in consideration any ongoing chargeable events. The active value is only valid for composite dedicated account as they can have resources that becomes accessible later.</p> <p>It indicates that the balance is in the second currency.</p> <p>If the unit type is other than money the dedicatedAccountActiveValue1 contains the sum of the valid units and dedicatedAccountActiveValue2 is omitted.</p>
dedicatedAccountUnitType	Integer, 0 - 6 0 = The account contains time. 1 = The account contains money. 2 - 4 = The account contains total octets (Not used, reserved for future use). 5 = The account contains service specific units. 6 = The account contains volume.	Optional (0-1)	<p>The unit of the dedicated account values and is mandatory if the function "multi unit" is active, in other case it is optional.</p>
compositeDedicatedAccountFlag	Boolean { 1 }	Optional (0-1)	<p>This flag indicates that a dedicated account is a composite dedicated account. It is used to identify a composite dedicated account that does not have any sub dedicated accounts.</p>



Parameter	Type	Occurrence	Description
attributeInformation	Sub-MO	Mandatory	Contains information about attributes. It will be returned as response to GetAccountDetails, GetBalanceAndDate, GetOffers and Refill if requested with requestAttributesFlag and if any attributes exist that have a value. attributeInformation will also be included as response to DeleteOffer and DeleteSubscriber if any attributes is removed. For UpdateOffer response, attributeInformation will include all attributes that have values.
attributeName	String, 1 - 128 characters	Optional (0-1)	The name of the attribute.
attributeValueString	String, 1 - 128 extended characters Extended characters which allows all US-ASCII values from 32 to 126 (hexadecimal 0x20 to 0x7e).	Optional (0-1)	The string value of an attribute.
attributeValueDate	DateTime .iso8601: YYYY-MM-DDThh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date value of an attribute. DateMin to DateMax or DateInfinite
attributeValueDecimal	Sub-MO	Optional (0-1)	Information about a decimal value.
attributeValueNumber	String, -999 999 999 999 to 999 999 999 999 SignedNumeric	Mandatory	The parameter contains up to 15 significant digits that together with the numberOfDecimals parameter forms a decimal number. There is no decimal sign included in this parameter.
numberOfDecimals	Integer, 0 - 15	Mandatory	The parameter forms together with attributeValueNumber a decimal number. The parameter contains information about where to put the decimal sign counted in positions from the right.



Parameter		Type	Occurrence	Description
	attributeValueInteger	Integer, -2147483648 to 2147483647	Optional (0-1)	Contains the integer value of an attribute.
	attributeSource	Integer, 1 - 255 1 = Default value from definition 2 - 255 = Reserved for future use	Optional (0-1)	Contain the source from where the attribute is fetched. Default (parameter is not included) means the attribute is stored on the entity provisioned for a subscriber.
	treeParameterSetInformation	Sub-MO	Optional (0-n)	Contains information about treeParameterSets divided per tree names It is returned as response to GetAccountDetails, GetBalanceAndDate and GetOffers if requested with requestTreeParameterSetsFlag and if any attributes exist that have a value. It is also included as response to DeleteOffer and DeleteSubscriber if any attributes is removed. For UpdateOffer response, it includes all attributes that have values.
	serviceProvider	Integer, 1 - 6 1: Rating template 2: Policy rule determination template 3: Product notification template 4: Product fee template 5: Product provision template 6: Quota determination template	Optional (0-1)	Contains the service provider which is the type of treeParameter.
	treeParameterInformation	Sub-MO	Optional (0-n)	Contains information about a treeParameter.
	treeParameterName	String, 1 - 128 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash).	Optional (0-1)	Contains the name of the tree parameter.



Parameter	Type	Occurrence	Description
treeParameter ValueString	String, 1 - 128 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash).	Optional (0-1)	Contains the string value of a tree parameter.
treeParameter ValueDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For exam ple, 2005- 11- 24T23 :59:59+08 :00	Optional (0-1)	Contains the date value of a tree parameter.
treeParameter ValueDecimal	Sub-MO	Optional (0-n)	Contains information about a decimal value. It is enclosed in a <struct> of its own. The structure contains one parameter treeParameterValueNumber containing the significant digits and a numberOfDecimals part telling how many decimals that are used.
treeParamet erValueNum ber	String, -999 999 999 999 999 to 999 999 999 999 999 SignedNu meric	Mandatory	Contains up to 15 significant digits that together with the numberOfDecimals parameter forms a decimal number. There is no decimal sign included in this parameter.
numberOfDe cimals	Integer, 0 - 15	Mandatory	Contains information about where to put the decimal sign counted in positions from the right and forms together with attributeValueNumber a decimal number.
treeParameter ValueInteger	String, -922337 20368547 75807 to 92233720 36854775 807 Signe dNumeric	Optional (0-1)	Contains the integer value of a tree parameter.
treeParamete rValueSchedu le		Optional (0-1)	Contains values for a schedule event.



Parameter				Type	Occurrence	Description
			scheduledFrequency	Integer, 1 - 7	Mandatory	Contains the frequency of the schedule (monthly, weekly, daily etc). 1: Yearly 2: Monthly 3: Weekly 4: Daily 5: Hourly 6: Minutely 7: Secondly
			scheduledInterval	Integer, 1 - 99999	Optional (0-1)	Contains the interval of the schedule (For example every week, every second, every month, etc.).
			scheduledMonth	Integer, 1 - 12	Optional (0-n)	Contains the number of month for the schedule.
			scheduledDayOfMonth	Integer, -1 - 31	Optional (0-n)	Contains the number of the days of month for the schedule. Value -1 means last day of month.
			scheduledDayOfWeek	Integer, 1 - 7	Optional (0-n)	Contains the week day for the schedule. 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday
			scheduledHour	Integer, 0 - 23	Optional (0-1)	Contains the time (hour) for the schedule.
			scheduledMinute	Integer, 0 - 59	Optional (0-1)	Contains the time (minute) for the schedule.
			scheduledSecond	Integer, 0 - 59	Optional (0-1)	Contains the time (second) for the schedule.
			treeParameterValueDayOfWeek	Integer, 0 - 7	Optional (0-1)	Contains the value of day of week of a tree parameter. 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday
			treeParameterValueDateRange	Sub-MO	Optional (0-1)	The struct is used to define the range of dates valid for a tree parameter. It contains two dates in a sequence to specify the range needed for tree parameter.



Parameter	Type	Occurrence	Description
treeParameterStartDate	<p>DateTime .iso8601: YYYY-MM-DDT hh:mm:ss sTZ</p> <p>TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm</p> <p>For example, 2005-11-24T23:59:59+08:00</p>	Mandatory	Contains the initial date of range applied for a tree parameter.
treeParameterEndDate	<p>DateTime .iso8601: YYYY-MM-DDT hh:mm:ss sTZ</p> <p>TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm</p> <p>For example, 2005-11-24T23:59:59+08:00</p>	Mandatory	Contains the final date of range applied for a tree parameter.
treeParameterValueTime	<p>String , 1 - 8 characters</p> <p>Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash)</p>	Optional (0-1)	Contains the value of time applied for a tree parameter.
treeParameterSource	<p>Integer, 1 - 2</p> <p>1: Tree parameter value fetched from the offer definition</p> <p>2: Tree parameter fetched from the template tree definition</p>	Optional (0-1)	Contains the source where the tree parameter is fetched. Default (parameter is not included) means the tree parameter is stored on the entity provisioned for a subscriber.



Parameter	Type	Occurrence	Description
associatedPartyID	String, 1 - 28 digits	Optional (0-1)	The subscriber identity of the consumer or provider. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes.
productOfferingName	String, 1 - 128 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash)	Optional (0-n)	Contains the identity of a product offering.
accountHomeRegion	Integer, 0 - 999	Optional (0-1)	The home region for the account. Zero means no home region set.
periodicAccountManagementData	Sub-MO	Optional (0-n)	Information used for periodic account management.
pamServiceID	Integer, 0 - 99	Mandatory	The id of the periodic account management service.
pamClassID	Integer, 0 - 9999	Mandatory	The periodic account management class used by the periodic account management service.
scheduleID	Integer, 0 - 9999	Mandatory	The schedule that is used by the periodic account management service.
currentPamPeriod	String, 1 - 30 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash).	Mandatory	The periodic account management period that is currently used for the subscriber.
deferredToDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The deferred to date for the Periodic Account Management service.



Parameter	Type	Occurrence	Description
lastEvaluationDate	DateTime .iso8601: YYYY-MM-DDT hh:mm:ss sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	Date of the last periodic account management evaluation.
pamServicePriority	Integer, 0 - 65535	Optional (0-1)	Indicate the priority between PAM services at PAM evaluation. Lower value gives higher priority.
usageCounterDeleteInformation	Sub-MO	Optional (0-n)	All active usage counters with their thresholds for a subscriber.
usageCounterID	Integer, 1 - 2147483647	Mandatory	The id of a usage counter.
usageCounterValue	String, 0 - 9 223 372 036 854 775 807 digits	Optional (0-1)	The value of a non-monetary usage counter.
usageCounterMonetaryValue1	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage counter. It indicates a usage counter amount in the first currency.
usageCounterMonetaryValue2	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage counter. It indicates a usage threshold amount in the second currency.
usageThresholdInformation	Sub-MO	Optional (0-n)	All information about a usage threshold. Depending on the usage counted the threshold value is represented either in the usageThresholdValue parameter or the usageThresholdMonetaryValue1 or usageThresholdMonetaryValue2 parameter. The usageThresholdSource parameter can not be updated but is included in responses.
usageThresholdID	Integer, 1 - 2147483647	Mandatory	The ID of a usage threshold.
usageThresholdValue	String, 0 - 9 223 372 036 854 775 807 digits	Optional (0-1)	The value of a non-monetary usage threshold.
usageThresholdMonetaryValue1	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage threshold. It indicates a usage threshold amount in the first currency.
usageThresholdMonetaryValue2	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage threshold. It indicates a usage threshold amount in the second currency.



Parameter	Type	Occurrence	Description
usageThresholdSource	Integer, 1 - 3 1 = Personal - The threshold has been changed to a value other than the usage counter definition and is fetched from the subscriber. 2 = Common - The threshold has been changed to an individual value for a provider shared by all consumers. 3 = Default - The threshold value fetched from the usage counter definition.	Optional (0-1)	The source of a usage threshold.
associatedPartyID	String, 1 - 28 digits	Optional (0-1)	The subscriber identity of the consumer or provider. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes.
associatedPartyID	String, 1 - 28 digits	Optional (0-1)	The subscriber identity of the consumer or provider. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes.
productID	Integer, 0 - 2147483647	Optional (0-1)	The identity of a product. Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.



Parameter	Type	Occurrence	Description
negotiatedCapabilities	Integer, 0 - 2147483647	Optional (0-n)	Indicate the negotiated capabilities between the client and server node. The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active.
availableServerCapabilities	Integer, 0 - 2147483647	Optional (0-n)	Indicate the available capabilities at the server node. The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active. If only one element is present and is set to 0, no functions after release AIR-IP 5.0 are active, only legacy functionality can be used.

5.3 Examples

5.3.1 Example of Deleting a Master Subscriber

This section gives an example of the `deleteSubscription` request and response message. This example shows how to delete a Master Subscriber.

Request Example

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3="http://schemas.ericsson.com/cai3gl.2/"
xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SessionId>7b505785ba4945c6930c99988401d06f</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Delete>
      <cai3:MOType>Subscription@http://schemas.ericsson.com/ma/CS/AIR</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000005</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:deleteSubscription subscriberNumber="465273152000001">
          <air:subscriberNumberNAI>1</air:subscriberNumberNAI>
        </air:deleteSubscription>
      </cai3:MOAttributes>
    </cai3:Delete>
  </soapenv:Body>
</soapenv:Envelope>
```

Example 70 Delete Subscription Request Message

Response Example



```

message.
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3g="http://schemas.ericsson.com/cai3gl.2/">
  <S:Header>
    <cai3g:SessionId>7b505785ba4945c6930c99988401d06f</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <DeleteResponse xmlns="http://schemas.ericsson.com/cai3gl.2/">
      <MOId>
        <air:subscriberNumber xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/"
xmlns:cai3="http://schemas.ericsson.com/cai3gl.2/"
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">465273152000005</air:subscriberNumber>
      </MOId>
      <MOAttributes>
        <air:deleteSubscriptionResponse xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
          <air:subscriberNumber>465273152000001</air:subscriberNumber>
          <air:originTransactionID>1441178898568250340</air:originTransactionID>
          <air:originOperatorID>operator</air:originOperatorID>
          <air:currency1>SEK</air:currency1>
          <air:balanceCleared1>0</air:balanceCleared1>
          <air:accountGroupID>0</air:accountGroupID>
          <air:serviceClassCurrent>22</air:serviceClassCurrent>
          <air:languageIDCurrent>1</air:languageIDCurrent>
          <air:ussdEndOfCallNotificationID>255</air:ussdEndOfCallNotificationID>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
          <air:availableServerCapabilities>536879616</air:availableServerCapabilities>
        </air:deleteSubscriptionResponse>
      </MOAttributes>
    </DeleteResponse>
  </S:Body>
</S:Envelope>

```

Example 71 Delete Subscription Response Message

5.3.2 Example of Deleting a Subordinate Subscriber

This section gives an example of the deleteSubscription request and response message. This example shows how to delete a Subordinate Subscriber.

Request Example

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3="http://schemas.ericsson.com/cai3gl.2/"
xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SessionId>7b505785ba4945c6930c99988401d06f</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Delete>
      <cai3:MOType>Subscription</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000006</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:deleteSubscription subscriberNumber="465273152000006">
          <air:subscriberNumberNAI>1</air:subscriberNumberNAI>
        </air:deleteSubscription>
      </cai3:MOAttributes>
    </cai3:Delete>
  </soapenv:Body>
</soapenv:Envelope>

```

Example 72 Delete Subscription Request Message

Response Example



```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3g="http://schemas.ericsson.com/cai3g1.2/">
  <S:Header>
    <cai3g:SessionId>7b505785ba4945c6930c99988401d06f</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <DeleteResponse xmlns="http://schemas.ericsson.com/cai3g1.2/">
      <MOId>
        <air:subscriberNumber xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/"
  xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
  xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">465273152000006</air:subscriberNumber>
        </MOId>
        <MOAttributes>
          <air:deleteSubscriptionResponse xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
            <air:subscriberNumber>465273152000006</air:subscriberNumber>
            <air:originTransactionID>1441178895393568592</air:originTransactionID>
            <air:originOperatorID>operator</air:originOperatorID>
            <air:languageIDCurrent>1</air:languageIDCurrent>
            <air:ussdEndOfCallNotificationID>255</air:ussdEndOfCallNotificationID>
            <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
            <air:availableServerCapabilities>536879616</air:availableServerCapabilities>
          </air:deleteSubscriptionResponse>
        </MOAttributes>
      </DeleteResponse>
    </S:Body>
  </S:Envelope>

```

Example 73 Delete Subscription Response Message



6 Get AIR Offer

This section covers the AIR subscriber command `getOffer`.

MOType

`Offer@http://schemas.ericsson.com/ma/CS/AIR/`

6.1 Request Data

6.1.1 Parameters

MOId

Table 20 Get Offer Parameters

Parameter	Type	Occurrence	Description
subscriberNumber	String, 1 - 28 digits	Mandatory	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by subscriberNumberNAI parameter.

MOAttributes

Table 21 covers the parameters that can be used in a `getOffer` request.



Table 21 Get Offer Parameters

Parameter	Type	Occurrence	Description
originNodeType	String Enumeration value="EXT" Enumeration value="AIR" Enumeration value="ADM" Enumeration value="UGW" Enumeration value="IVR" Enumeration value="OGW" Enumeration value="SDP"	Optional (0-1)	<p>The parameter contains the origin node type that is set by AIR or provided by an external network element. It contains the type of the logical node from where the operation originated. External network elements are not allowed to use the reserved names on network element types, (except EXT).</p> <p>Network Element Type:</p> <p>EXT:External system</p> <p>AIR:Account information and refill</p> <p>ADM:Administrative system</p> <p>UGW: USSD gateway</p> <p>IVR :Interactive voice response system</p> <p>OGW: On-line gateway</p> <p>SDP: Service data point</p> <p>If this parameter is absent from the request, Dynamic Activation will generate "ADM" as the parameter to NEs.</p>
originHostName	String, 1 - 255 characters	Optional (0-1)	<p>The identifier string for the host where the operation originated from. The host name shall be unique within the network for a given network element type.</p> <p>If this parameter is absent from the request, Dynamic Activation will generate a node name, which the character "-" replaced by "" as the parameter to NEs.</p>
originTransactionID	String, 0 - 9999 9999 9999 9999 9999 digits Each digit is 0-9	Optional (0-1)	<p>The Unique identifier for the transaction, generated by the system it was initiated from.</p> <p>The value in this parameter must be unique per operation and can be a sequence number. An operation in this case is for example a refill.</p>
originTimeStamp	String: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11- 24T23:59:59+08:00	Optional (0-1)	<p>The date and time of sending the request by the entity that initiated the operation.</p>
subscriberNumberNAI	Integer, 0 - 2 0 = National number (with prefix) 1 = International number 2 = National significant number (without prefix)	Optional (0-1)	<p>The Nature of Address Indicator identifies the format of the subscriberNumber parameter.</p>
offerSelection	Sub-MO	Optional (0-n)	<p>Used to define offer identifiers to retrieve.</p>



Parameter	Type	Occurrence	Description
offerIDFirst	Integer, 1 - 2147483647	Mandatory	The identity of the first offer in a sequence of offers, or the only offer identity if a single offer shall be obtained.
offerIDLast	Integer, 1 - 2147483647	Optional (0-1)	The identity of the last offer in a sequence of offers, or the only offer identity if a single offer shall be obtained.
productSelection	Sub-MO	Optional (0-n)	Used to define product identifiers to retrieve for a given offer.
offerID	Integer, 1 - 2147483647	Mandatory	The identity of an offer.
productID	Integer, 0 - 2147483647	Optional	The identity of a product. Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.
requestInactiveOffersFlag	Boolean { 0, 1 } 0 (false) = Default value. The response will not contain the inactive (or disabled) offers for the subscriber. Only active offers will be returned. 1 (true) = The response will contain all offers for the subscriber (including expired offers within their removal protection period).	Optional (0-1)	Indicate the state of the offers that should be included in a response.



Parameter	Type	Occurrence	Description
offerRequestedTypeFlag	<p>String, 8 digits</p> <p>Example string: For '10xxxxxx' digit 1 is set and for '01xxxxxx' digit 2 is set.</p> <p>Index 1: Account</p> <p>0 = Do not return Account offers</p> <p>1 = Return Account offers</p> <p>Index 2: Multi User Identification</p> <p>0 = Do not return Multi User Identification offers</p> <p>1 = Return Multi User Identification offers</p> <p>Index 3: Timer</p> <p>0 = Do not return high resolution offers for Timer charging</p> <p>1 = Return high resolution offers for Timer charging</p> <p>Index 4: Provider Account</p> <p>0 = Do not return Provider Account offers</p> <p>1 = Return Provider Account offers</p> <p>Index 4: Shared Account</p> <p>0 = Do not return Shared Account offers</p> <p>1 = Return Shared Account offers</p> <p>Index 6-8: For future use</p>	Optional (0-1)	The type or types of offers to return in a GetOffers request. If omitted, only Account offers are returned.
requestDedicatedAccountDetailsFlag	<p>Boolean { 0, 1 }</p> <p>0 (false) = Default value. The response will not include the dedicatedAccountInformation structs which are associated with the offer.</p> <p>1 (true) = The response will include the dedicatedAccountInformation structs which are associated with the offer.</p>	Optional (0-1)	Indicate the requested detail level of the content in the dedicatedAccountInformation.



Parameter	Type	Occurrence	Description
requestSubDedicatedAccountDetailsFlag	Boolean { 0, 1 } 0 (false) = Default value. The response will not include the associated subDedicatedAccountInformation structs. 1 (true) = The response will include the associated subDedicatedAccountInformation structs.	Optional (0-1)	Indicate the requested detail level of the content in the dedicatedAccountInformation.
requestFirstAccessibleAndExpiredBalanceAndDateFlag	Boolean { 0, 1 } 0 (false) = Default value. The response will not include the associated closestExpiryDate, closestExpiryValue1, closestExpiryValue2, closestAccessibleDate, closestAccessibleValue1, closestAccessibleValue2. 1 (true) = The response will include the associated closestExpiryDate, closestExpiryValue1, closestExpiryValue2, closestAccessibleDate, closestAccessibleValue1, closestAccessibleValue2.	Optional (0-1)	Indicate the requested detail level of the content in the dedicatedAccountInformation.
requestUsageCountersAndThresholdsFlag	Boolean { 0, 1 } 0 (false) = Default value. The response will not include the associated offerInformation structs. 1 (true) = The response will include the associated offerInformation structs.	Optional (0-1)	Indicate the requested detail level of the content in the offerInformation.
requestTreeParameterSetsFlag	Boolean { 0, 1 } 0 (false) (default value): The response will not contain tree parameter sets. 1 (true): The response will contain tree parameter sets, if existing.	Optional (0-1)	Indicates if the tree parameter sets for all types of trees stored for the offer are to be included in a response.
productOfferingName	String, 1 - 128 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash)	Optional (0-n)	Contains the identity of a product offering.



Parameter	Type	Occurrence	Description
requestAttributesFlag	Boolean { 0, 1 } 0 (false) = Default value. The response will not contain attributes. 1 (true) The response will contain attributes, if existing.	Optional (0-1)	Indicate whether the attribute stored for the offer is to be included in a response.
negotiatedCapabilities	Integer, 0 - 2147483647	Optional (0-n)	Indicate the negotiated capabilities between the client and server node. The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active.
associatedPartyID	String, 1 - 28 digits	Optional (0-1)	The subscriber identity of the consumer or provider. The default format of the parameter is the same as the numbering format used by the account database, which also includes support of leading zeroes.
requestOfferResourcesFlag	Boolean { 0, 1 } 0 (false) (default value) = Do not return. 1 (true) = return	Optional (0-1)	The parameter is used to request whether offer resources (DAs and UCs with their UTs) for both non-product-private and product-private resources for an offer is to be returned or not.

6.2 Response Data

6.2.1 Parameters

MOId

Table 22 Get Offer Parameters

Parameter	Type	Occurrence	Description
subscriberNumber	String, 1 - 28 digits	Mandatory	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by subscriberNumberNAI parameter.

MOAttributes

Table 23 covers the parameters that can be used in a `getOffer` response.



Table 23 Get Offer Response

Parameter	Type	Occurrence	Description
subscriberNumber	String, 1 - 28 digits	Mandatory	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by subscriberNumberNAI parameter.
originTransactionID	String, 0 - 9999 9999 9999 9999 9999 digits	Optional (0-1)	Reference to a single operation, generated by the system it was initiated from. The value in this parameter must be unique per operation and can be a sequence number. For example, an operation in this case is a refill.
offerInformation	Sub-MO	Optional (0-n)	Dates (or dates and time) for offers.
offerID	Integer, 0 - 21474836 47	Mandatory	The identity of an offer.
startDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+I-] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used. Value Range: DateMin to DateMax or DateBeginningOfTime
expiryDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+I-] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The expiry date for a dedicated account, Value Range: DateMin to DateMax or DateInfinite



Parameter	Type	Occurrence	Description
startDateTime	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The start date and time for an offer. Value Range: DateMin to DateMax or DateBeginningOfTime
expiryDateTime	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The expiry date and time. Value Range: DateMin to DateMax or DateInfinite
pamServiceID	Integer, 0 - 99	Optional (0-1)	The id of the periodic account management service.
offerType	Integer, 0 - 7	Optional (0-1)	The identifies the offer type.
offerState	Integer, 0 - 99 0 = Enab led offer state 1 = Disa bled offer state 2-99 = Reserved for future use	Optional (0-1)	Specifies the actual offer state to return in a GetOfferrequest.
offerProviderID	String, 1 - 28 digits	Optional (0-1)	The subscriber number as represented in the SDP database for the provider.
productID	Integer, 0 - 21474836 47	Optional (0-1)	The identity of a product. Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.
usageCounterUsageThresholdInformation	Sub-MO	Optional (0-n)	All active usage counters with their thresholds for a subscriber.



Parameter		Type	Occurrence	Description
	usageCounterID	Integer, 1 - 2147483647	Mandatory	The id of a usage counter.
	usageCounterValue	String, 0 - 9 223 372 036 854 775 807 digits	Optional (0-1)	The value of a non-monetary usage counter.
	usageCounterNominalValue	String, 0 - 9 223 372 036 854 775 807 digits	Optional (0-1)	The value of a non-monetary usage counter, without any factor.
	usageCounterMonetaryValue1	String, 0 - 999 999 999 999	Optional (0-1)	The value of a monetary usage counter. It indicates a usage counter amount in the first currency.
	usageCounterMonetaryNominalValue1	String, 0 - 999 999 999 999	Optional (0-1)	The value of a monetary usage counter, without any factor. It indicates a usage counter amount in the first currency.
	usageCounterMonetaryValue2	String, 0 - 999 999 999 999	Optional (0-1)	The value of a monetary usage counter. It indicates a usage counter amount in the second currency.
	usageCounterMonetaryNominalValue2	String, 0 - 999 999 999 999	Optional (0-1)	The value of a monetary usage counter, without any factor. It indicates a usage counter amount in the second currency.
	usageThresholdInformation	Sub-MO	Optional (0-n)	All information about a usage threshold. Depending on the usage counted the threshold value is represented either in the usageThresholdValue parameter or the usageThresholdMonetaryValue1 or usageThresholdMonetaryValue2 parameter. The usageThresholdSource parameter can not be updated but is included in responses.
	usageThresholdID	Integer, 1 - 2147483647	Mandatory	The ID of a usage threshold.
	usageThresholdValue	String, 0 - 9 223 372 036 854 775 807 digits	Optional (0-1)	The value of a non-monetary usage threshold.
	usageThresholdMonetaryValue1	String, 0 - 999 999 999 999	Optional (0-1)	The value of a monetary usage threshold. It indicates a usage threshold amount in the first currency.
	usageThresholdMonetaryValue2	String, 0 - 999 999 999 999	Optional (0-1)	The value of a monetary usage threshold. It indicates a usage threshold amount in the second currency.



Parameter			Type	Occurrence	Description
		usageThresholdSource	Integer, 1 - 3 1 = Personal - The threshold has been changed to a value other than the usage counter definition and is fetched from the subscriber. 2 = Common - The threshold has been changed to an individual value for a provider shared by all consumers. 3 = Default - The threshold value fetched from the usage counter definition.	Optional (0-1)	The source of a usage threshold.
		associatedPartyID	String, 1 - 28 digits	Optional (0-1)	The subscriber identity of the consumer or provider. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes.
		associatedPartyID	String, 1 - 28 digits	Optional (0-1)	The subscriber identity of the consumer or provider. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes.
		productID	Integer, 0 - 2147483647	Optional (0-1)	The identity of a product. Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.
		usageCounterResourceConnected	Boolean {1} 1 (true): The usage counter is a non-product-private connected resource	Optional (0-1)	Indicates if the usage counter is a non-product-private connected resource.
		dedicatedAccountChangeInformation	Sub-MO	Optional (0-n)	Contain information of changes done to balances and dates for dedicated accounts.



Parameter		Type	Occurrence	Description
	dedicatedAccountID	Integer, 1 - 2147483647	Mandatory	The identity of the dedicated account in order to be able to distinguish between the various dedicated accounts in an array of dedicated accounts.
	productID	Integer, 0 - 2147483647	Optional (0-1)	<p>The identity of a product.</p> <p>Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.</p>
	dedicatedAccountValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p> <p>It indicates the balance in the first currency.</p>
	dedicatedAccountValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p> <p>It indicates the balance in the second currency.</p>



Parameter	Type	Occurrence	Description
startDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used. Element Value Range: DateMin to DateMax or DateBeginningOfTime
expiryDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The expiry date for a dedicated account. Element Value Range: DateMin to DateMax or DateInfinite
pamServiceID	Integer, 0 - 99	Optional (0-1)	The id of the periodic account management service.
offerID	Integer, 1 - 2147483647	Optional (0-1)	The identity of an offer.
closestExpiryDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The date when the next sub dedicated account(s) will expire, this include both active and inactive sub dedicated accounts. DateToday to DateMax
closestExpiryValue1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest expiry date, this include both active and in active sub dedicated accounts. It indicates the balance of the first currency. If the unit type is other than money the closestExpiryValue1 contains the amount of the valid units and closestExpiryValue2 is omitted.



Parameter	Type	Occurrence	Description
closestExpiryValue2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The balance of the sub dedicated account(s) with the closest expiry date, this include both active and in active sub dedicated accounts.</p> <p>It indicates the balance of the second currency.</p> <p>If the unit type is other than money the closestExpiryValue1 contains the amount of the valid units and closestExpiryValue2 is omitted.</p>
closestAccessibleDate	DateTime .iso8601: YYYY-MM-DDThh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	<p>The date when the next sub dedicated account(s) will be accessible. This parameter is only valid for composite dedicated accounts.</p> <p>DateToday to DateMax</p>
closestAccessibleValue1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The balance of the sub dedicated account(s) with the closest start date. This parameter is only valid for composite dedicated accounts.</p> <p>It indicates the balance in the first currency.</p> <p>If the unit type is other than money the closestAccessibleValue1 contains the sum of the valid units and closestAccessibleValue2 is omitted.</p>
closestAccessibleValue2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The balance of the sub dedicated account(s) with the closest start date. This parameter is only valid for composite dedicated accounts.</p> <p>It indicates the balance in the second currency.</p> <p>If the unit type is other than money the closestAccessibleValue1 contains the sum of the valid units and closestAccessibleValue2 is omitted.</p>
dedicatedAccountActiveValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>This parameter contains a dedicated account balance that can be consumed right now. This is not taking in consideration any ongoing chargeable events. The active value is only valid for composite dedicated account as they can have resources that becomes accessible later.</p> <p>It indicates that the balance is in the first currency.</p> <p>If the unit type is other than money the dedicatedAccountActiveValue1 contains the sum of the valid units and dedicatedAccountActiveValue2 is omitted.</p>



Parameter		Type	Occurrence	Description
	dedicatedAccountActiveValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>This parameter contains a dedicated account balance that can be consumed right now. This is not taking in consideration any ongoing chargeable events. The active value is only valid for composite dedicated account as they can have resources that becomes accessible later.</p> <p>It indicates that the balance is in the second currency.</p> <p>If the unit type is other than money the dedicatedAccountActiveValue1 contains the sum of the valid units and dedicatedAccountActiveValue2 is omitted.</p>
	subDedicatedAccountChangeInformation	Sub-MO	Optional (0-n)	Information about the changes made to a sub dedicated account.
	changedAmount1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The parameter defines changed values on a main or dedicated account.</p> <p>It indicates a changed amount in the first currency.</p> <p>If the unit type is other than money the changedAmount1 contains the amount of the valid units and changedAmount2 is omitted.</p>
	changedAmount2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The parameter defines changed values on a main or dedicated account.</p> <p>It indicates a changed amount in the second currency.</p> <p>If the unit type is other than money the changedAmount1 contains the amount of the valid units and changedAmount2 is omitted.</p>
	dedicatedAccountValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p> <p>It indicates the balance in the first currency.</p>



Parameter	Type	Occurrence	Description
dedicatedAccountValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p> <p>It indicates the balance in the second currency.</p>
changedExpiryDate	Integer, -65535 to 65535	Optional (0-1)	The number of days the expiry date for a dedicated account has been changed as a result of the operation. The value is given in number of days.
newExpiryDate	DateTime .iso8601: YYYY-MM-DDThh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The new expiry date for a dedicated account.
clearedExpiryDate	DateTime .iso8601: YYYY-MM-DDThh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	<p>The previous expiry date for a cleared dedicated account.</p> <p>DateMin to DateMax or DateInfinite</p>
changedStartDate	Integer, -65535 to 65535	Optional (0-1)	The number of days the start date for a dedicated account has been changed as a result of the operation. The value is given in number of days.



Parameter			Type	Occurrence	Description
		newStartDate	<p>DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ</p> <p>TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00</p>	Optional (0-1)	<p>The new start date for a dedicated account.</p> <p>DateMin to DateMax or DateBeginningOfTime</p>
		clearedStartDate	<p>DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ</p> <p>TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00</p>	Optional (0-1)	<p>The previous start date for a cleared dedicated account.</p> <p>DateMin to DateMax or DateBeginningOfTime</p>
		dedicatedAccountUnitType	<p>Integer, 0 - 6</p> <p>0 = The account contains time.</p> <p>1 = The account contains money.</p> <p>2 - 4 = The account contains total octets (Not used, reserved for future use).</p> <p>5 = The account contains service specific units.</p> <p>6 = The account contains volume.</p>	Optional (0-1)	<p>The unit of the dedicated account values and is mandatory if the function "multi unit" is active, in other case it is optional.</p>



Parameter	Type	Occurrence	Description
dedicatedAccountResourceConnected	Boolean {1} 1 (true): The dedicated account is a non-product-private connected resource	Optional (0-1)	Indicates if the dedicated account is a non-product-private connected resource.
dedicatedAccountInformation	Sub-MO	Optional (0-n)	Contain balances and dates for dedicated accounts.
dedicatedAccountID	Integer, 1 - 2147483647	Mandatory	The identity of the dedicated account in order to be able to distinguish between the various dedicated accounts in an array of dedicated accounts.
dedicatedAccountValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>It indicates that the balance is in the first currency.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p>
dedicatedAccountValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>It indicates that the balance is in the second currency.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p>



Parameter	Type	Occurrence	Description
expiryDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The expiry date for a dedicated account. Element Value Range: DateMin to DateMax or DateInfinite
startDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used. Element Value Range: DateMin to DateMax or DateBeginningOfTime
pamServiceID	Integer, 0 - 99	Optional (0-1)	The id of the periodic account management service.
offerID	Integer, 1 - 21474836 47	Optional (0-1)	The identity of an offer.
productID	Integer, 0 - 21474836 47	Optional (0-1)	The identity of a product. Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.
closestExpiryDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The date when the next sub dedicated account(s) will expire, this include both active and inactive sub dedicated accounts. DateToday to DateMax



Parameter	Type	Occurrence	Description
closestExpiryValue1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The balance of the sub dedicated account(s) with the closest expiry date, this include both active and in active sub dedicated accounts.</p> <p>It indicates the balance of the first currency.</p> <p>If the unit type is other than money the closestExpiryValue1 contains the amount of the valid units and closestExpiryValue2 is omitted.</p>
closestExpiryValue2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The balance of the sub dedicated account(s) with the closest expiry date, this include both active and in active sub dedicated accounts.</p> <p>It indicates the balance of the second currency.</p> <p>If the unit type is other than money the closestExpiryValue1 contains the amount of the valid units and closestExpiryValue2 is omitted.</p>
closestAccessibleDate	DateTime .iso8601: YYYY-MM-DDThh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	<p>The date when the next sub dedicated account(s) will be accessible. This parameter is only valid for composite dedicated accounts.</p> <p>DateToday to DateMax</p>
closestAccessibleValue1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The balance of the sub dedicated account(s) with the closest start date. This parameter is only valid for composite dedicated accounts.</p> <p>It indicates the balance in the first currency.</p> <p>If the unit type is other than money the closestAccessibleValue1 contains the sum of the valid units and closestAccessibleValue2 is omitted.</p>
closestAccessibleValue2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The balance of the sub dedicated account(s) with the closest start date. This parameter is only valid for composite dedicated accounts.</p> <p>It indicates the balance in the second currency.</p> <p>If the unit type is other than money the closestAccessibleValue1 contains the sum of the valid units and closestAccessibleValue2 is omitted.</p>
subDedicatedAccountInformation	Sub-MO	Optional (0-n)	Balances and dates for sub dedicated accounts.



Parameter			Type	Occurrence	Description
		dedicatedAccountValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>It indicates that the balance is in the first currency.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p>
		dedicatedAccountValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>It indicates that the balance is in the second currency.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p>
		startDate	<p>DateTime .iso8601: YYYY-MM-DDT hh:mm:ss TZ</p> <p>TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00</p>	Optional (0-1)	<p>The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used.</p> <p>Element Value Range: DateMin to DateMax or DateBeginningOfTime</p>



Parameter			Type	Occurrence	Description
		expiryDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:ss sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The expiry date for a dedicated account. Element Value Range: DateMin to DateMax or DateInfinite
		dedicatedAccountActiveValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	This parameter contains a dedicated account balance that can be consumed right now. This is not taking in consideration any ongoing chargeable events. The active value is only valid for composite dedicated account as they can have resources that becomes accessible later. It indicates that the balance is in the first currency. If the unit type is other than money the dedicatedAccountActiveValue1 contains the sum of the valid units and dedicatedAccountActiveValue2 is omitted.
		dedicatedAccountActiveValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	This parameter contains a dedicated account balance that can be consumed right now. This is not taking in consideration any ongoing chargeable events. The active value is only valid for composite dedicated account as they can have resources that becomes accessible later. It indicates that the balance is in the second currency. If the unit type is other than money the dedicatedAccountActiveValue1 contains the sum of the valid units and dedicatedAccountActiveValue2 is omitted.



Parameter	Type	Occurrence	Description
dedicatedAccountUnitType	Integer, 0 - 6 0 = The account contains time. 1 = The account contains money. 2 - 4 = The account contains total octets (Not used, reserved for future use). 5 = The account contains service specific units. 6 = The account contains volume.	Optional (0-1)	The unit of the dedicated account values and is mandatory if the function "multi unit" is active, in other case it is optional.
compositeDedicatedAccountFlag	Boolean { 1 }	Optional (0-1)	Indicate that a dedicated account is a composite dedicated account. It is used to identify a composite dedicated account that does not have any sub dedicated accounts
dedicatedAccountResourceConnected	Boolean {1} 1 (true): The dedicated account is a non-product-private connected resource	Optional (0-1)	Indicates if the dedicated account is a non-product-private connected resource.
attributeInformation	Sub-MO	Optional (0-n)	Contains information about attributes. It will be returned as response to GetAccountDetails, GetBalanceAndDate, GetOffers and Refill if requested with requestAttributesFlag and if any attributes exist that have a value. attributeInformation will also be included as response to DeleteOffer and DeleteSubscriber if any attributes is removed. For UpdateOffer response, attributeInformation will include all attributes that have values.
attributeName	String, 1 - 128 characters	Mandatory	The name of the attribute.



Parameter	Type	Occurrence	Description
attributeValueString	String, 1 - 128 extended characters Extended characters which allows all US-ASCII values from 32 to 126 (hex adecimal 0x20 to 0x7e).	Optional (0-1)	The string value of an attribute.
attributeValueDate	DateTime .iso8601: YYYY-MM-DDT hh:mm:ss sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The date value of an attribute. DateMin to DateMax or DateInfinite
attributeValueDecimal		Optional (0-1)	Information about a decimal value.
attributeValueNumber	String, -999 999 999 999 999 to 999 999 999 999 999 SignedNu meric	Mandatory	The parameter contains up to 15 significant digits that together with the numberOfDecimals parameter forms a decimal number. There is no decimal sign included in this parameter.
numberOfDecimals	Integer, 0 - 15	Mandatory	The parameter forms together with attributeValue Number a decimal number. The parameter contains information about where to put the decimal sign counted in positions from the right.
attributeValueInteger	Integer, -214748 3648 to 2147483 647	Optional (0-1)	Contains the integer value of an attribute.
attributeSource	Integer, 1 - 255 1 = Default value from definition 2 - 255 = Reserved for future use	Optional (0-1)	Contains the source from where the attribute is fetched. Default (parameter is not included) means the attribute is stored on the entity provisioned for a subscriber.



Parameter		Type	Occurrence	Description
	treeParameterSet Information	Sub-MO	Optional (0-n)	Contains information about treeParameterSets divided per tree names It is returned as response to GetAccountDetails, GetBalanceAndDate and GetOffers if requested with requestTreeParameterSetsFlag and if any attributes exist that have a value. It is also included as response to DeleteOffer and DeleteSubscriber if any attributes is removed. For UpdateOffer reponse, it includes all attributes that have values.
	serviceProvider	Integer, 1 - 6 1: Rating template 2: Policy rule determination template 3: Product notification template 4: Product fee template 5: Product provision template 6: Quota determination template	Optional (0-1)	Contains the service provider which is the type of treeParameter.
	treeParameterInformation	Sub-MO	Optional (0-n)	Contains information about a treeParameter.
	treeParameterName	String, 1 - 128 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash).	Optional (0-1)	Contains the name of the tree parameter.
	treeParameterValueString	String, 1 - 128 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash).	Optional (0-1)	Contains the string value of a tree parameter.



Parameter			Type	Occurrence	Description
		treeParameter ValueDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For exam ple, 2005-1 1- 24T23: 59:59+08: 00	Optional (0-1)	Contains the date value of a tree parameter.
		treeParameter ValueDecimal	Sub-MO	Optional (0-n)	Contains information about a decimal value. It is enclosed in a <struct> of its own. The structure contains one parameter treeParameterValueNumber containing the significant digits and a numberOfDecimals part telling how many decimals that are used.
		treeParamet erValueNum ber	String, -999 999 999 999 999 to 999 999 999 999 999 SignedNu meric	Mandatory	Contains up to 15 significant digits that together with the numberOfDecimals parameter forms a decimal number. There is no decimal sign included in this parameter.
		numberOfDe cimals	Integer, 0 - 15	Mandatory	Contains information about where to put the decimal sign counted in positions from the right and forms together with attributeValueNumber a decimal number.
		treeParameter ValueInteger	String, -922337 20368547 75807 to 92233720 36854775 807 Signe dNumeric	Optional (0-1)	Contains the integer value of a tree parameter.
		treeParameter ValueSchedul e		Optional (0-1)	Contains values for a schedule event.
		scheduledFr equency	Integer, 1 - 7	Mandatory	Contains the frequency of the schedule (monthly, weekly, daily etc). 1: Yearly 2: Monthly 3: Weekly 4: Daily 5: Hourly 6: Minutely 7: Secondly
		scheduledInt erval	Integer, 1 - 99999	Optional (0-1)	Contains the interval of the schedule (For example every week, every second, every month, etc.).



Parameter				Type	Occurrence	Description
			scheduledMonth	Integer, 1 - 12	Optional (0-n)	Contains the number of month for the schedule.
			scheduledDayOfMonth	Integer, -1 - 31	Optional (0-n)	Contains the number of the days of month for the schedule. Value -1 means last day of month.
			scheduledDayOfWeek	Integer, 1 - 7	Optional (0-n)	Contains the week day for the schedule. 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday
			scheduledHour	Integer, 0 - 23	Optional (0-1)	Contains the time (hour) for the schedule.
			scheduledMinute	Integer, 0 - 59	Optional (0-1)	Contains the time (minute) for the schedule.
			scheduledSecond	Integer, 0 - 59	Optional (0-1)	Contains the time (second) for the schedule.
			treeParameterValueDayOfWeek	Integer, 0 - 7	Optional (0-n)	Contains the value of day of week of a tree parameter. 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday
			treeParameterValueDateRange		Optional (0-1)	The struct is used to define the range of dates valid for a tree parameter. It contains two dates in a sequence to specify the range needed for tree parameter.
			treeParameterStartDate	DateTime .iso8601: YYYY-MM-DDT hh:mm:ss sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Mandatory	Contains the initial date of range applied for a tree parameter.



Parameter				Type	Occurrence	Description
			treeParameterEndDate	DateTime .iso8601: YYYY-MM-DDT hh:mm:ss sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Mandatory	Contains the final date of range applied for a tree parameter.
			treeParameterValueTime	String , 1 - 8 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash)	Optional (0-1)	Contains the value of time applied for a tree parameter.
			treeParameterSource	Integer, 1 - 2 1: Tree parameter value fetched from the offer definition 2: Tree parameter fetched from the template tree definition	Optional (0-1)	Contains the source where the tree parameter is fetched. Default (parameter is not included) means the tree parameter is stored on the entity provisioned for a subscriber.
			associatedPartyID	String, 1 - 28 digits	Optional (0-1)	The subscriber identity of the consumer or provider. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes.
			productOfferingName	String , 1 - 128 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash)	Optional (0-n)	Contains the identity of a product offering.
			currency1	String, Currency	Optional (0-1)	The first currency to be presented to the end user. For example, SEK, EUR, USD, etc.



Parameter	Type	Occurrence	Description
currency2	String, Currency	Optional (0-1)	The second currency to be presented to the end user. For example, SEK, EUR, USD, etc.
negotiatedCapabilities	Integer: array of <int> or <i4> 0 - 2147483647	Optional (0-n)	Indicates the negotiated capabilities between the client and server node. The capabilities are presented as a series of elements, where each element contains an integer value between 0 and 2147483647. The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active.
availableServerCapabilities	Integer, 0 - 2147483647	Optional (0-n)	Indicate the available capabilities at the server node. The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active. If only one element is present and is set to 0, no functions after release AIR-IP 5.0 are active, only legacy functionality can be used.
treeParameterInformation	Sub-MO	Optional (0-n)	Contains information about a treeParameter.
treeParameterName	String , 1 - 128 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash).	Optional (0-1)	Contains the name of the tree parameter.
treeParameterValueString	String , 1 - 128 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash).	Optional (0-1)	Contains the string value of a tree parameter.
treeParameterValueDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:ss STZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23: 59:59+08: 00	Optional (0-1)	Contains the date value of a tree parameter.



Parameter	Type	Occurrence	Description
treeParameterValueDecimal	Sub-MO	Optional (0-n)	Contains information about a decimal value. It is enclosed in a <struct> of its own. The structure contains one parameter treeParameterValueNumber containing the significant digits and a numberOfDecimals part telling how many decimals are used.
treeParameterValueNumber	String, -999 999 999 to 999 999 999 SignedNumeric	Mandatory	The parameter contains up to 15 significant digits that together with the numberOfDecimals parameter forms a decimal number. There is no decimal sign included in this parameter.
numberOfDecimals	Integer, 0 - 15	Mandatory	The parameter contains information about where to put the decimal sign counted in positions from the right.
treeParameterValueInteger	String, -922337 20368547 75807 to 92233720 36854775 807 SignedNumeric	Optional (0-1)	Contains the integer value of a tree parameter
treeParameterValueSchedule		Optional (0-1)	Contains values for a schedule event.
scheduledFrequency	Integer, 1 - 7	Mandatory	Contains the frequency of the schedule (monthly, weekly, daily etc). 1: Yearly 2: Monthly 3: Weekly 4: Daily 5: Hourly 6: Minutely 7: Secondly
scheduledInterval	Integer, 1 - 99999	Optional (0-1)	Contains the interval of the schedule (For example every week, every second, every month, etc.).
scheduledMonth	Integer, 1 - 12	Optional (0-n)	Contains the number of month for the schedule.
scheduledDayOfMonth	Integer, -1 - 31	Optional (0-n)	Contains the number of the days of month for the schedule. Value -1 means last day of month.
scheduledDayOfWeek	Integer, 1 - 7	Optional (0-n)	Contains the week day for the schedule. 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday



Parameter		Type	Occurrence	Description
	scheduledHour	Integer, 0 - 23	Optional (0-1)	Contains the time (hour) for the schedule.
	scheduledMinute	Integer, 0 - 59	Optional (0-1)	Contains the time (minute) for the schedule.
	scheduledSecond	Integer, 0 - 59	Optional (0-1)	Contains the time (second) for the schedule.
	treeParameterValueDayOfWeek	Integer, 0 - 7	Optional (0-1)	Contains the value of day of week of a tree parameter. 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday
	treeParameterValueDateRange		Optional (0-1)	The struct is used to define the range of dates valid for a tree parameter. It contains two dates in a sequence to specify the range needed for tree parameter.
	treeParameterStartDate	DateTime .iso8601: YYYY-MM-DDT hh:mm:ss sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Mandatory	Contains the initial date of range applied for a tree parameter.
	treeParameterEndDate	DateTime .iso8601: YYYY-MM-DDT hh:mm:ss sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Mandatory	Contains the final date of range applied for a tree parameter.



Parameter	Type	Occurrence	Description
treeParameterValueTime	String , 1 - 8 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash)	Optional (0-1)	Contains the value of time applied for a tree parameter.
treeParameterSource	Integer, 1 - 2 1: Tree parameter value fetched from the offer definition 2: Tree parameter fetched from the template tree definition	Optional (0-1)	Contains the source where the tree parameter is fetched. Default (parameter is not included) means the tree parameter is stored on the entity provisioned for a subscriber.
associatedPartyID	String, 1 - 28 digits	Optional (0-1)	The subscriber identity of the consumer or provider. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes.

6.3 Examples

This section gives an example of the `getOffer` request and response message. This example shows how to get an AIR offer.

Request Example



```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3="http://schemas.ericsson.com/cai3gl.2/"
  xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SessionId>481651e281824a4681d7184320e75986</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Get>
      <cai3:MOType>Offer@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000009</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:getOffer subscriberNumber="465273152000009">
          <air:offerSelection>
            <air:offerIDFirst>101</air:offerIDFirst>

            <air:offerIDLast>103</air:offerIDLast>
          </air:offerSelection>
        </air:getOffer>
      </cai3:MOAttributes>
    </cai3:Get>
  </soapenv:Body>
</soapenv:Envelope>

```

Example 74 Get Offer Request Message

Response Example

```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3g="http://schemas.ericsson.com/cai3gl.2/">
  <S:Header>
    <cai3g:SessionId>481651e281824a4681d7184320e75986</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <GetResponse xmlns="http://schemas.ericsson.com/cai3gl.2/">
      <MOAttributes>
        <air:getOfferResponse xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
          <air:subscriberNumber>465273152000009</air:subscriberNumber>
          <air:originTransactionID>14465353343564436411</air:originTransactionID>
          <air:offerInformation>
            <air:offerID>101</air:offerID>
            <air:startDate>2015-10-08T12:00:00+00:00</air:startDate>
            <air:expiryDate>2017-10-08T12:00:00+00:00</air:expiryDate>
          </air:offerInformation>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
          <air:availableServerCapabilities>805646916</air:availableServerCapabilities>
        </air:getOfferResponse>
      </MOAttributes>
    </GetResponse>
  </S:Body>
</S:Envelope>

```

Example 75 Get Offer Response Message

7 Set AIR Offer

This section covers the command `setOffer`.

MOType

`Offer@http://schemas.ericsson.com/ma/CS/AIR/`

7.1 Request Data

7.1.1 Parameters

MOId

Table 24 Set Offer MOId

Parameter	Type	Occurrence	Description
subscriberNumber	String, 1 - 28 digits	Mandatory	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by subscriberNumberNAI parameter.
offerID	Integer, 0 - 2147483647	Mandatory	The identity of an offer.

MOAttributes

Table 25 covers the parameters that can be used in a `setOffer` request.

Table 25 Set Offer Parameters

Parameter	Type	Occurrence	Description
originNodeType	String Enumeration value="EXT" Enumeration value="AIR" Enumeration value="ADM" Enumeration value="UGW" Enumeration value="IVR" Enumeration value="OGW" Enumeration value="SDP"	Optional (0-1)	The parameter contains the origin node type that is set by AIR or provided by an external network element. It contains the type of the logical node from where the operation originated. External network elements are not allowed to use the reserved names on network element types, (except EXT). Network Element Type: EXT:External system AIR:Account information and refill ADM:Administrative system UGW: USSD gateway IVR :Interactive voice response system OGW: On-line gateway SDP: Service data point If this parameter is absent from the request, Dynamic Activation will generate "ADM" as the parameter to NEs.
originHostName	String, 1 - 255 characters	Optional (0-1)	The identifier string for the host where the operation originated from. The host name shall be unique within the network for a given network element type. If this parameter is absent from the request, Dynamic Activation will generate a node name, which the character "-" replaced by "" as the parameter to NEs.
originTransactionID	String, 0 - 9999 9999 9999 9999 digits Each digit is 0-9	Optional (0-1)	The Unique identifier for the transaction, generated by the system it was initiated from. The value in this parameter must be unique per operation and can be a sequence number. An operation in this case is for example a refill. If this parameter is absent from the request, Dynamic Activation will generate System time milliseconds plus seven random digital numbers as the parameter to NEs.
originTimeStamp	String: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date and time of sending the request by the entity that initiated the operation. If this parameter is absent from the request, Dynamic Activation will generate PGN system time plus the default "+0100" or the configured ChargingTimeZone value in Activation Logic as the parameter to NEs. Refer to <i>User Guide for Resource Activation</i> , Reference [4] for details of Activation Logic.



Parameter	Type	Occurrence	Description
subscriberNumberNAI	Integer, 0 - 2 0 = National number (with prefix) 1 = International number 2 = National significant number (without prefix)	Optional (0-1)	The Nature of Address Indicator identifies the format of the subscriberNumber parameter.
transactionCurrency	String, currency	Optional (0-1)	The ID to point out what currency is used for the transaction. For example, SEK, EUR, USD, etc.
originOperatorID	String, 1- 255 characters	Optional (0-1)	The identity of the system user or the session from where the operation was initiated. It can be used for security management or logging purposes for an example. If this parameter is absent from the request, Dynamic Activation will generate the default "operator" or the configured <code>OriginOperatorId</code> value in Activation Logic as the parameter to NEs. Refer to <i>User Guide for Resource Activation</i> , Reference [4] for details of Activation Logic configure.
offerRequestInformation	Sub-MO	Optional (0-1)	Information about an offer request
dateInformation	Sub-MO	Optional (0-1)	The date information of a request
startDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used. Element Value Range: DateMin to DateMax or DateBeginningOfTime.
startDateRelative	Integer, -999 to -1 and 1 to 999	Optional (0-1)	This parameter is used to make a relative adjustment to the current start date. The adjustment can be positive or negative. It is expressed in number of days.
startPamPeriod	Sub-MO	Mandatory	The Periodic Account Management period
startPamPeriodIndicator	Integer, 0 - 99	Mandatory	The Periodic Account Management period when the offer and DA becomes valid. If the offer has the capability of date and time the time stamp will default to 00:00:00. Update of the PAM period indicator on an existing offer will keep the current time stamp unchanged. Time stamp can however be changed by including <code>currentTimeOffset</code> . Zero means that the start date of an offer or a DA is the current date.



Parameter	Type	Occurrence	Description
currentTimeOffset	Boolean {0,1} 0 (false) = Time stamp will not be set (default value apply if applicable). 1 (true) = Time stamp will be set to current system time.	Optional (0-1)	Indicates whether the default time or current time should be used in time stamp.
expiryDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The expiry date for a dedicated account. Element Value Range: DateMin to DateMax or DateInfinite
expiryDateRelative	Integer, -999 to -1 and 1 to 999	Optional (0-1)	This parameter is used to make a relative adjustment to an expiry date. The adjustment can be positive or negative. It is expressed in number of days.
expiryPamPeriodIndicator	Integer, 1- 100 and 2147483647 2147483647 = no expiry.	Optional (0-1)	the Periodic Account Management period when the offer or DA becomes invalid. When the offer has the capability of storing date and time the time stamp will be set to 00:00:00 or 23:59:59 depending on system configuration.
dateTimeInformation	Sub-MO	Optional (0-1)	The date and time information
startDateTime	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The start date and time for an offer. Element Value Range: DateMin to DateMax or DateBeginningOfTime
startDateTimeRelative	Integer, -99 999 999 to 99 999 999	Optional (0-1)	This parameter is used to make a relative adjustment to the current start date and time for an offer. The adjustment can be positive or negative. It is expressed in number of seconds. The parameter may also be used to define start date and time for other entities depending on the context where it is used.
expiryDateTime	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The expiry date and time. Element Value Range: DateMin to DateMax or DateInfinite
expiryDateTimeRelative	Integer, -99 999 999 to 99 999 999	Optional (0-1)	This parameter is used to make a relative adjustment to the current expiry date and time. The adjustment can be positive or negative. It is expressed in number of seconds. The parameter may also be used to define expiry date and time for other entities depending on the context where it is used.



Parameter	Type	Occurrence	Description
pamServiceID	Integer, 0 - 99	Optional (0-1)	The id of the periodic account management service.
offerType	Integer, 0 - 7	Optional (0-1)	The identifies the offer type.
offerProviderID	String, 1 - 28 digits	Optional (0-1)	The subscriber number as represented in the SDP database for the provider.
dedicatedAccountUpdateInformation	Sub-MO	Optional (0-n)	Information for updating balances and expiry date for dedicated accounts.
dedicatedAccountID	Integer, 1 - 2147483647	Mandatory	The identity of the dedicated account in order to be able to distinguish between the various dedicated accounts in an array of dedicated accounts.
productID	Integer, 0 - 2147483647	Optional (0-1)	The identity of a product. Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.
dedicatedAccountPamPeriodInformation	Sub-MO	Optional (0-1)	
productID	Integer, 0 - 2147483647	Optional (0-1)	The identity of a product. Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.
adjustmentAmountRelative	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 Unit	Optional (0-1)	The amount of the adjustment (positive or negative) to be applied to the account.
dedicatedAccountValueNew	String, 0 - 999 999 999 999 Unit	Optional (0-1)	Value to assign to a dedicated account. This is not taking in consideration any ongoing chargeable events.
adjustmentDateRelative	Integer, -32767 to -1 and 1 to 32767	Optional (0-1)	This parameter is used to make a relative adjustment to the current expiry date. The adjustment can be positive or negative. It is expressed in number of days.
expiryDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The expiry date for a dedicated account. Element Value Range: DateMin to DateMax or DateInfinite
expiryPamPeriodIndicator	Integer, 1- 100 and 2147483647 2147483647 = no expiry.	Optional (0-1)	the Periodic Account Management period when the offer or DA becomes invalid. When the offer has the capability of storing date and time the time stamp will be set to 00:00:00 or 23:59:59 depending on system configuration.



Parameter	Type	Occurrence	Description
startDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used. Element Value Range: DateMin to DateMax or DateBeginningOfTime.
adjustmentStartDateRelative	Integer, -999 to -1 and 1 to 999	Optional (0-1)	This parameter is used to make a relative adjustment to the current start date. The adjustment can be positive or negative. It is expressed in number of days.
startPamPeriodIndicator	Integer, 0 - 99	Optional (0-1)	The startPamPeriodIndicator parameter indicates the Periodic Account Management period when the offer and DA becomes valid. If the offer has the capability of date and time the time stamp will default to 00:00:00. Update of the PAM period indicator on an existing offer will keep the current time stamp unchanged. Time stamp can however be changed by including currentTimeOffset. Zero means that the start date of an offer or a DA is the current date.
dedicatedAccountUnitType	Integer, 0 - 6 0 = The account contains time. 1 = The account contains money. 2 - 4 = The account contains total octets (Not used, reserved for future use). 5 = The account contains service specific units. 6 = The account contains volume.	Optional (0-1)	The unit of the dedicated account values and is mandatory if the function "multi unit" is active, in other case it is optional.
expiryDateCurrent	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The current expiry date for a dedicated account. Element Value Range: DateMin to DateMax or DateInfinite
startDateCurrent	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The current start date for a dedicated account. Used for validation. No validation is performed if omitted. Element Value Range: DateMin to DateMax or DateBeginningOfTime
pamServiceID	Integer, 0 - 99	Optional (0-1)	The id of the periodic account management service.



Parameter	Type	Occurrence	Description
updateAction	String Enumeration value="EXPIRE"	Optional (0-1)	Indicate which action to take on the resource. EXPIRE = Expire the resource immediately.
attributeUpdateInformation	Sub-MO	Optional (0-n)	Update information of the attribute
attributeName	String, 1 - 128 characters	Mandatory	The name of the attribute.
attributeUpdateAction	String Enumeration value="ADD" Enumeration value="DELETE" Enumeration value="CLEAR" Enumeration value="SET"	Mandatory	The requested action for an attribute. ADD : Add an entry to the set (for attributes storing a set of values). DELETE : Delete an entry from the set (for attributes storing a set of values). CLEAR : Clear all entries from the set (for attributes storing a set of values) or removes the value for a single value attribute. SET : Sets the value for a single value attribute. Previous value, if existing, will be overwritten.
attributeValueString	String, 1 - 128 extended characters Extended characters which allows all US-ASCII values from 32 to 126 (hexadecimal 0x20 to 0x7e).	Optional (0-1)	The string value of an attribute.
attributeValueDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date value of an attribute. DateMin to DateMax or DateInfinite
attributeValueDecimal	Sub-MO	Optional (0-1)	Information about a decimal value.
attributeValueNumber	String, -999 999 999 999 999 to 999 999 999 999 999 SignedNumeric	Mandatory	The parameter contains up to 15 significant digits that together with the numberOfDecimals parameter forms a decimal number. There is no decimal sign included in this parameter.
numberOfDecimals	Integer, 0 - 15	Mandatory	The parameter forms together with attributeValue Number a decimal number. The parameter contains information about where to put the decimal sign counted in positions from the right.
attributeValueInteger	Integer, -2147483648 to 2147483647	Optional (0-1)	Contains the integer value of an attribute.



Parameter	Type	Occurrence	Description
updateAction	String Enumeration value="EXPIRE"	Mandatory	Indicate which action to take on the resource. EXPIRE = Expire the resource immediately.
treeParameterSetUpdateInformation	Sub-MO	Optional (0-n)	Contains information about treeParameterSets divided per tree names.
serviceProvider	Integer, 1 - 6 1: Rating template 2: Policy rule determination template 3: Product notification template 4: Product fee template 5: Product provision template 6: Quota determination template	Optional (0-1)	Contains the service provider which is the type of treeParameter.
treeParameterUpdateInformation	Sub-MO	Optional (0-n)	Contains information about the changes made to a treeParameter.
treeParameterName	String , 1 - 128 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash).	Mandatory	Contains the name of the tree parameter.
treeParameterUpdateAction	String Enumeration value="ADD" Enumeration value="DELETE" Enumeration value="CLEAR" Enumeration value="SET"	Mandatory	Contains the requested action for a tree parameter. ADD: Adds an entry to the set (for tree parameters storing a set of values). DELETE: Deletes an entry from the set (for tree parameters storing a set of values). CLEAR: Clears all entries from the set (for tree parameters storing a set of values) or removes the value for a single value tree parameter. SET: Sets the value for a single value tree parameter. Previous value, if existing, will be overwritten.
treeParameterValueString	String , 1 - 128 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash).	Optional (0-1)	Contains the string value of a tree parameter.
treeParameterValueDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	Contains the date value of a tree parameter.



Parameter	Type	Occurrence	Description
treeParameterValueDecimal	Sub-MO	Optional (0-n)	Contains information about a decimal value. It is enclosed in a <struct> of its own. The structure contains one parameter treeParameterValueNumber containing the significant digits and a numberOfDecimals part telling how many decimals are used.
attributeValueNumber	String, -999 999 999 999 999 to 999 999 999 999 SignedNumeric	Mandatory	The parameter contains up to 15 significant digits that together with the numberOfDecimals parameter forms a decimal number. There is no decimal sign included in this parameter.
numberOfDecimals	Integer, 0 - 15	Mandatory	The parameter forms together with attributeValue Number a decimal number. The parameter contains information about where to put the decimal sign counted in positions from the right.
treeParameterValueInteger	String, -9223372 036854775807 to 9223372036854775807 SignedNumeric	Optional (0-1)	Contains the integer value of a tree parameter
treeParameterValueDayOfWeek	Integer, 0 - 7	Optional (0-1)	Contains the value of day of week of a tree parameter. 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday
treeParameterValueDateRange	Sub-MO	Optional (0-1)	The struct is used to define the range of dates valid for a tree parameter. It contains two dates in a sequence to specify the range needed for tree parameter.
treeParameterStartDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Mandatory	Contains the initial date of range applied for a tree parameter.
treeParameterEndDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Mandatory	Contains the final date of range applied for a tree parameter.



Parameter	Type	Occurrence	Description
treeParameterValueTime	String , 1 - 8 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash)	Optional (0-1)	Contains the value of time applied for a tree parameter.
treeParameterValueSchedule		Optional (0-1)	Contains values for a schedule event.
scheduledFrequency	Integer, 1 - 7	Mandatory	Contains the frequency of the schedule (monthly, weekly, daily etc). 1: Yearly 2: Monthly 3: Weekly 4: Daily 5: Hourly 6: Minutely 7: Secondly
scheduledInterval	Integer, 1 - 99999	Optional (0-1)	Contains the interval of the schedule (For example every week, every second, every month, etc.).
scheduledMonth	Integer, 1 - 12	Optional (0-n)	Contains the number of month for the schedule.
scheduledDayOfMonth	Integer, -1 - 31	Optional (0-n)	Contains the number of the days of month for the schedule. Value -1 means last day of month.
scheduledDayOfWeek	Integer, 1 - 7	Optional (0-n)	Contains the week day for the schedule. 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday
scheduledHour	Integer, 0 - 23	Optional (0-1)	Contains the time (hour) for the schedule.
scheduledMinute	Integer, 0 - 59	Optional (0-1)	Contains the time (minute) for the schedule.
scheduledSecond	Integer, 0 - 59	Optional (0-1)	Contains the time (second) for the schedule.
associatedPartyID	String, 1 - 28 digits	Optional (0-1)	The subscriber identity of the consumer or provider. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes.



Parameter	Type	Occurrence	Description
productID	Integer, 0 - 2147483647	Optional (0-1)	The identity of a product. Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.
negotiatedCapabilities	Integer, 0 - 2147483647	Optional (0-n)	Indicate the negotiated capabilities between the client and server node. The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active.

7.2 Response Data

7.2.1 Parameters

MOId

Table 26 Set Offer MOId

Parameter	Type	Occurrence	Description
subscriberNumber	String, 1 - 28 digits	Mandatory	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by subscriberNumberNAI parameter.

MOAttributes

Table 27 covers the parameters that can be used in a `setOffer` response.

Table 27 Set Offer Response

Parameter	Type	Occurrence	Description
subscriberNumber	String, 1 - 28 digits	Mandatory	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by subscriberNumberNAI parameter.



Parameter	Type	Occurrence	Description
originTransactionID	String, 0 - 9999 9999 9999 9999 digits	Optional (0-1)	Reference to a single operation, generated by the system it was initiated from. The value in this parameter must be unique per operation and can be a sequence number. For example, an operation in this case is a refill.
originOperatorID	String, 1 - 255 characters	Optional (0-1)	The identity of the system user or the session from where the operation was initiated. It might be used for security management or logging purposes for an example.
currency1	String, Currency	Optional (0-1)	The first currency to be presented to the end user. For example, SEK, EUR, USD, etc.
currency2	String, Currency	Optional (0-1)	The second currency to be presented to the end user. For example, SEK, EUR, USD, etc.
offerID	Integer, 0 - 2147483647	Mandatory	The identity of an offer.
startDate	DateTime .iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used. Value Range: DateMin to DateMax or DateBeginningOfTime
expiryDate	DateTime .iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The expiry date for a dedicated account, Value Range: DateMin to DateMax or DateInfinite



Parameter	Type	Occurrence	Description
startDateTime	DateTime .iso8601: YYYY-MM-DDT hh:m m:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The start date and time for an offer. Value Range: DateMin to DateMax or DateBeginningOfTime
expiryDateTime	DateTime .iso8601: YYYY-MM-DDT hh:m m:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The expiry date and time. Value Range: DateMin to DateMax or DateInfinite
pamServiceID	Integer, 0 - 99	Optional (0-1)	The id of the periodic account management service.
offerType	Integer, 0 - 7	Optional (0-1)	The identifies the offer type.
offerState	Integer, 0 - 99 0 = Enabled offer state 1 = Disabled offer state 2-99 = Reserved for future use	Optional (0-1)	Specifies the actual offer state to return in a GetOfferrequest.
offerProviderID	String, 1 - 28 digits	Optional (0-1)	The subscriber number as represented in the SDP database for the provider.
productID	Integer, 0 - 2147483647	Optional (0-1)	The identity of a product. Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.
dedicatedAccountChangeInformation	Sub-MO	Optional (0-n)	Information of changes done to balances and dates for dedicated accounts.
dedicatedAccountID	Integer, 1 - 2147483647	Mandatory	The identity of the dedicated account in order to be able to distinguish between the various dedicated accounts in an array of dedicated accounts.



Parameter	Type	Occurrence	Description
productID	Integer, 0 - 2147483647	Optional (0-1)	<p>The identity of a product.</p> <p>Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.</p>
dedicatedAccountValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p> <p>It indicates the balance in the first currency.</p>
dedicatedAccountValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p> <p>It indicates the balance in the second currency.</p>
startDate	<p>DateTime .iso8601: YYYY-MM-DDT hh:mm:ssTZ</p> <p>TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00</p>	Optional (0-1)	<p>The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used.</p> <p>Element Value Range: DateMin to DateMax or DateBeginningOfTime</p>



Parameter	Type	Occurrence	Description
expiryDate	DateTime .iso8601: YYYY-MM -DDT hh:m m:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The expiry date for a dedicated account. Element Value Range: DateMin to DateMax or DateInfinite
pamServiceID	Integer, 0 - 99	Optional (0-1)	The id of the periodic account management service.
offerID	Integer, 1 - 21474836 47	Optional (0-1)	The identity of an offer.
closestExpiryDate	DateTime .iso8601: YYYY-MM -DDT hh:m m:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The date when the next sub dedicated account(s) will expire, this include both active and inactive sub dedicated accounts. DateToday to DateMax
closestExpiryValue1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest expiry date, this include both active and in active sub dedicated accounts. It indicates the balance of the first currency. If the unit type is other than money the closestExpiryValue1 contains the amount of the valid units and closestExpiryValue2 is omitted.
closestExpiryValue2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest expiry date, this include both active and in active sub dedicated accounts. It indicates the balance of the second currency. If the unit type is other than money the closestExpiryValue1 contains the amount of the valid units and closestExpiryValue2 is omitted.



Parameter	Type	Occurrence	Description
closestAccessibleDate	DateTime .iso8601: YYYY-MM -DDT hh:m m:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The date when the next sub dedicated account(s) will be accessible. This parameter is only valid for composite dedicated accounts. DateToday to DateMax
closestAccessibleValue1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest start date. This parameter is only valid for composite dedicated accounts. It indicates the balance in the first currency. If the unit type is other than money the closestAccessibleValue1 contains the sum of the valid units and closestAccessibleValue2 is omitted.
closestAccessibleValue2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest start date. This parameter is only valid for composite dedicated accounts. It indicates the balance in the second currency. If the unit type is other than money the closestAccessibleValue1 contains the sum of the valid units and closestAccessibleValue2 is omitted.
dedicatedAccountActiveValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	This parameter contains a dedicated account balance that can be consumed right now. This is not taking in consideration any ongoing chargeable events. The active value is only valid for composite dedicated account as they can have resources that becomes accessible later. It indicates that the balance is in the first currency. If the unit type is other than money the dedicatedAccountActiveValue1 contains the sum of the valid units and dedicatedAccountActiveValue2 is omitted.
dedicatedAccountActiveValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	This parameter contains a dedicated account balance that can be consumed right now. This is not taking in consideration any ongoing chargeable events. The active value is only valid for composite dedicated account as they can have resources that becomes accessible later. It indicates that the balance is in the second currency. If the unit type is other than money the dedicatedAccountActiveValue1 contains the sum of the valid units and dedicatedAccountActiveValue2 is omitted.
subDedicatedAccountChangeInformation	Sub-MO	Optional (0-n)	Information about the changes made to a sub dedicated account.



Parameter	Type	Occurrence	Description
changedAmount1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The parameter defines changed values on a main or dedicated account.</p> <p>It indicates a changed amount in the first currency.</p> <p>If the unit type is other than money the changedAmount1 contains the amount of the valid units and changedAmount2 is omitted.</p>
changedAmount2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The parameter defines changed values on a main or dedicated account.</p> <p>It indicates a changed amount in the second currency.</p> <p>If the unit type is other than money the changedAmount1 contains the amount of the valid units and changedAmount2 is omitted.</p>
dedicatedAccountValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p> <p>It indicates the balance in the first currency.</p>
dedicatedAccountValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p> <p>It indicates the balance in the second currency.</p>
changedExpiryDate	Integer, -65535 to 65535	Optional (0-1)	<p>The number of days the expiry date for a dedicated account has been changed as a result of the operation. The value is given in number of days.</p>



Parameter		Type	Occurrence	Description
	newExpiryDate	DateTime .iso8601: YYYY-MM -DDT hh:m m:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The new expiry date for a dedicated account.
	clearedExpiryDate	DateTime .iso8601: YYYY-MM -DDT hh:m m:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The previous expiry date for a cleared dedicated account. DateMin to DateMax or DateInfinite
	changedStartDate	Integer, -65535 to 65535	Optional (0-1)	The number of days the start date for a dedicated account has been changed as a result of the operation. The value is given in number of days.
	newStartDate	DateTime .iso8601: YYYY-MM -DDT hh:m m:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The new start date for a dedicated account. DateMin to DateMax or DateBeginningOfTime



Parameter	Type	Occurrence	Description
clearedStartDate	DateTime .iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The previous start date for a cleared dedicated account. DateMin to DateMax or DateBeginningOfTime
dedicatedAccountUnitType	Integer, 0 - 6 0 = The account contains time. 1 = The account contains money. 2 - 4 = The account contains total octets (Not used, reserved for future use). 5 = The account contains service specific units. 6 = The account contains volume.	Optional (0-1)	The unit of the dedicated account values and is mandatory if the function "multi unit" is active, in other case it is optional.
dedicatedAccountResourceConnected	Boolean {1} 1 (true): The dedicated account is a non-product-private connected resource	Optional (0-1)	Indicates if the dedicated account is a non-product-private connected resource.
attributeInformation	Sub-MO	Optional (0-n)	Contains information about attributes. It will be returned as response to GetAccountDetails, GetBalanceAndDate, GetOffers and Refill if requested with requestAttributesFlag and if any attributes exist that have a value. attributeInformation will also be included as response to DeleteOffer and DeleteSubscriber if any attributes is removed. For UpdateOffer response, attributeInformation will include all attributes that have values.



Parameter	Type	Occurrence	Description
attributeName	String, 1 - 128 characters	Mandatory	The name of the attribute.
attributeValueString	String, 1 - 128 extended characters Extended characters which allows all US-ASCII values from 32 to 126 (hex adecimal 0x20 to 0x7e).	Optional (0-1)	The string value of an attribute.
attributeValueDate	DateTime .iso8601: YYYY-MM -DDT hh:m m:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The date value of an attribute. DateMin to DateMax or DateInfinite
attributeValueDecimal	Sub-MO	Optional (0-1)	Information about a decimal value.
attributeValueNumber	String, -999 999 999 999 999 to 999 999 999 999 999 SignedNu meric	Mandatory	The parameter contains up to 15 significant digits that together with the numberOfDecimals parameter forms a decimal number. There is no decimal sign included in this parameter.
numberOfDecimals	Integer, 0 - 15	Mandatory	The parameter forms together with attributeValue Number a decimal number. The parameter contains information about where to put the decimal sign counted in positions from the right.
attributeValueInteger	Integer, -21474836 48 to 2147 483647	Optional (0-1)	Contains the integer value of an attribute.
attributeSource	Integer, 1 - 255 1 = Default value from definition 2 - 255 = Reserved for future use	Optional (0-1)	Contain the source from where the attribute is fetched. Default (parameter is not included) means the attribute is stored on the entity provisioned for a subscriber.



Parameter	Type	Occurrence	Description
treeParameterSetInformation	Sub-MO	Optional (0-n)	<p>Contains information about treeParameterSets divided per tree names</p> <p>It is returned as response to GetAccountDetails, GetBalanceAndDate and GetOffers if requested with requestTreeParameterSetsFlag and if any attributes exist that have a value.</p> <p>It is also included as response to DeleteOffer and DeleteSubscriber if any attributes is removed. For UpdateOffer response, it includes all attributes that have values.</p>
serviceProvider	Integer, 1 - 6 1: Rating template 2: Policy rule determination template 3: Product notification template 4: Product fee template 5: Product provision template 6: Quota determination template	Optional (0-1)	Contains the service provider which is the type of treeParameter.
treeParameterInformation	Sub-MO	Optional (0-n)	Contains information about a treeParameter.
treeParameterName	String , 1 - 128 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash).	Optional (0-1)	Contains the name of the tree parameter.
treeParameterValueString	String , 1 - 128 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash).	Optional (0-1)	Contains the string value of a tree parameter.



Parameter		Type	Occurrence	Description
	treeParameterValueDate	DateTime .iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	Contains the date value of a tree parameter.
	treeParameterValueDecimal	Sub-MO	Optional (0-n)	Contains information about a decimal value. It is enclosed in a <struct> of its own. The structure contains one parameter treeParameterValueNumber containing the significant digits and a numberOfDecimals part telling how many decimals are used.
	treeParameterValueNumber	String, -999 999 999 999 999 to 999 999 999 SignedNumeric	Mandatory	The parameter contains up to 15 significant digits that together with the numberOfDecimals parameter forms a decimal number. There is no decimal sign included in this parameter.
	numberOfDecimals	Integer, 0 - 15	Mandatory	The parameter contains information about where to put the decimal sign counted in positions from the right.
	treeParameterValueInteger	String, -9223372036854775807 to 9223372036854775807 SignedNumeric	Optional (0-1)	Contains the integer value of a tree parameter
	treeParameterValueSchedule		Optional (0-1)	Contains values for a schedule event.
	scheduledFrequency	Integer, 1 - 7	Mandatory	Contains the frequency of the schedule (monthly, weekly, daily etc). 1: Yearly 2: Monthly 3: Weekly 4: Daily 5: Hourly 6: Minutely 7: Secondly
	scheduledInterval	Integer, 1 - 99999	Optional (0-1)	Contains the interval of the schedule (For example every week, every second, every month, etc.).
	scheduledMonth	Integer, 1 - 12	Optional (0-n)	Contains the number of month for the schedule.



Parameter			Type	Occurrence	Description
		scheduledDayOfMonth	Integer, -1 - 31	Optional (0-n)	Contains the number of the days of month for the schedule. Value -1 means last day of month.
		scheduledDayOfWeek	Integer, 1 - 7	Optional (0-n)	Contains the week day for the schedule. 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday
		scheduledHour	Integer, 0 - 23	Optional (0-1)	Contains the time (hour) for the schedule.
		scheduledMinute	Integer, 0 - 59	Optional (0-1)	Contains the time (minute) for the schedule.
		scheduledSecond	Integer, 0 - 59	Optional (0-1)	Contains the time (second) for the schedule.
		treeParameterValueDayOfWeek	Integer, 0 - 7	Optional (0-1)	Contains the value of day of week of a tree parameter. 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday
		treeParameterValueDateRange	Sub-MO	Optional (0-1)	The struct is used to define the range of dates valid for a tree parameter. It contains two dates in a sequence to specify the range needed for tree parameter.
		treeParameterStartDate	DateTime .iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Mandatory	Contains the initial date of range applied for a tree parameter.



Parameter		Type	Occurrence	Description
	treeParameterEndDate	<p>DateTime .iso8601: YYYY-MM -DDT hh:m m:ssTZ</p> <p>TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm</p> <p>For example, 2005-1 1- 24T23: 59:59+08: 00</p>	Mandatory	Contains the final date of range applied for a tree parameter.
	treeParameterValueTime	<p>String , 1 - 8 characters</p> <p>Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash)</p>	Optional (0-1)	Contains the value of time applied for a tree parameter.
	treeParameterSource	<p>Integer, 1 - 2</p> <p>1: Tree parameter value fetched from the offer definition</p> <p>2: Tree parameter fetched from the template tree definition</p>	Optional (0-1)	Contains the source where the tree parameter is fetched. Default (parameter is not included) means the tree parameter is stored on the entity provisioned for a subscriber.
	associatedPartyID	String, 1 - 28 digits	Optional (0-1)	<p>The subscriber identity of the consumer or provider.</p> <p>The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes.</p>
	productOfferingName	<p>String , 1 - 128 characters</p> <p>Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash)</p>	Optional (0-n)	Contains the identity of a product offering.



Parameter	Type	Occurrence	Description
negotiatedCapabilities	Integer, 0 - 2147483647	Optional (0-n)	Indicate the negotiated capabilities between the client and server node. The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active.
availableServerCapabilities	Integer, 0 - 2147483647	Optional (0-n)	Indicate the available capabilities at the server node. The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active. If only one element is present and is set to 0, no functions after release AIR-IP 5.0 are active, only legacy functionality can be used.

7.3 Examples

This section gives an example of the `setOffer` request and response message. This example shows how to set an AIR offer.

Request Example

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3="http://schemas.ericsson.com/cai3gl.2/"
xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SessionId>5b96b03b62c9445fac3862d4632aabe</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Set>
      <cai3:MOType>Offer@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000001</air:subscriberNumber>
        <air:offerID>102</air:offerID>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:setOffer subscriberNumber="465273152000001" offerID="102">
          <air:subscriberNumberNAI>1</air:subscriberNumberNAI>
          <air:transactionCurrency>SEK</air:transactionCurrency>
          <air:offerRequestInformation>
            <air:offerProviderID>465273152000001</air:offerProviderID>
          </air:offerRequestInformation>
          <air:negotiatedCapabilities>64</air:negotiatedCapabilities>
        </air:setOffer>
      </cai3:MOAttributes>
    </cai3:Set>
  </soapenv:Body>
</soapenv:Envelope>
```

Example 76 Set Offer Request Message

Response Example



```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3g="http://schemas.ericsson.com/cai3gl.2/">
  <S:Header>
    <cai3g:SessionId>5b96b03b62c9445fac3862d4632aabeb</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <SetResponse xmlns="http://schemas.ericsson.com/cai3gl.2/">
      <MOAttributes>
        <air:setOfferResponse xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
          <air:subscriberNumber>465273152000001</air:subscriberNumber>
          <air:originTransactionID>14430814093956082332</air:originTransactionID>
          <air:offerID>102</air:offerID>
          <air:startDateTime>2015-09-24T09:56:49+02:00</air:startDateTime>
          <air:offerType>3</air:offerType>
          <air:offerProviderID>465273152000001</air:offerProviderID>
          <air:negotiatedCapabilities>64</air:negotiatedCapabilities>
          <air:availableServerCapabilities>805646916</air:availableServerCapabilities>
        </air:setOfferResponse>
      </MOAttributes>
    </SetResponse>
  </S:Body>
</S:Envelope>
```

Example 77 *Set Offer Response Message*

8 Delete AIR Offer

This section covers the AIR command `deleteOffer`.

MOType

`Offer@http://schemas.ericsson.com/ma/CS/AIR/`

8.1 Request Data

8.1.1 Parameters

MOId

Table 28 Delete Offer MOId

Parameter	Type	Occurrence	Description
subscriberNumber	String, 1 - 28 digits	Mandatory	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by subscriberNumberNAI parameter.
offerID	Integer, 1 - 2147483647	Mandatory	The identity of an offer.

MOAttributes

Table 29 covers the parameters that can be used in a `deleteOffer` request.



Table 29 Delete Offer Parameters

Parameter	Type	Occurrence	Description
originNodeTye	String Enumeration value="EXT" Enumeration value="AIR" Enumeration value="ADM" Enumeration value="UGW" Enumeration value="IVR" Enumeration value="OGW" Enumeration value="SDP"	Optional (0-1)	<p>The parameter contains the origin node type that is set by AIR or provided by an external network element. It contains the type of the logical node from where the operation originated. External network elements are not allowed to use the reserved names on network element types, (except EXT).</p> <p>Network Element Type:</p> <p>EXT:External system</p> <p>AIR:Account information and refill</p> <p>ADM:Administrative system</p> <p>UGW: USSD gateway</p> <p>IVR :Interactive voice response system</p> <p>OGW: On-line gateway</p> <p>SDP: Service data point</p> <p>If this parameter is absent from the request, Dynamic Activation will generate "ADM" as the parameter to NEs.</p>
originHostName	String, 1 - 255 characters	Optional (0-1)	<p>The identifier string for the host where the operation originated from. The host name shall be unique within the network for a given network element type.</p> <p>If this parameter is absent from the request, Dynamic Activation will generate a node name, which the character "-" replaced by "" as the parameter to NEs.</p>
originTransactionID	String, 0 - 9999 9999 9999 9999 digits Each digit is 0-9	Optional (0-1)	<p>The Unique identifier for the transaction, generated by the system it was initiated from.</p> <p>The value in the originTransactionID parameter must be unique per operation and can be a sequence number. An operation in this case is for example a refill.</p> <p>If this parameter is absent from the request, Dynamic Activation will generate System time milliseconds plus seven random digital numbers as the parameter to NEs.</p>



Parameter	Type	Occurrence	Description
originTimeStamp	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11- 24T23:59:59+08:00	Optional (0-1)	The date and time of sending the request by the entity that initiated the operation. If this parameter is absent from the request, Dynamic Activation will generate PGN system time plus the default "+0100" or the configured ChargingTimeZone value in Activation Logic as the parameter to NEs. Refer to <i>User Guide for Resource Activation</i> , Reference [4] for details of Activation Logic
subscriberNumberNAI	Integer, 0 - 2 0 = National number (with prefix) 1 = International number 2 = National significant number (without prefix)	Optional (0-1)	The Nature of Address Indicator identifies the format of the subscriberNumber parameter.
originOperatorID	String, 1- 255 characters	Optional (0-1)	The identity of the system user or the session from where the operation was initiated. It can be used for security management or logging purposes for an example. If this parameter is absent from the request, Dynamic Activation will generate the default "operator" or the configured OriginOperatorId value in Activation Logic as the parameter to NEs. Refer to <i>User Guide for Resource Activation</i> , Reference [4] for details of Activation Logic configure.
productID	Integer, 1 - 2147483647	Optional (0-1)	The identity of a product.
negotiatedCapabilities	Interger: array of <int> or <i4> 0 - 2147483647	Optional (0-n)	Indicates the negotiated capabilities between the client and server node. The capabilities are presented as a series of elements, where each element contains an integer value between 0 and 2147483647. The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active.



8.2 Response Data

8.2.1 Parameters

MOId

Table 30 Delete Offer Parameters

Parameter	Type	Occurrence	Description
subscriberNumber	String, 1 - 28 digits	Mandatory	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by subscriberNumberNAI parameter.

MOAttributes

Table 31 covers the parameters that can be used in a deleteOffer response.

Table 31 Delete Offer Response

Parameter	Type	Occurrence	Description
subscriberNumber	String, 1 - 28 digits	Mandatory	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by subscriberNumberNAI parameter.
originTransactionID	String, 0 - 9999 9999 9999 9999 9999 digits	Optional (0-1)	Reference to a single operation, generated by the system it was initiated from. The value in this parameter must be unique per operation and can be a sequence number. For example, an operation in this case is a refill.
originOperatorID	String, 1 - 255 characters	Optional (0-1)	The identity of the system user or the session from where the operation was initiated. It might be used for security management or logging purposes for an example.
offerID	Integer, 0 - 2147483647	Mandatory	The identity of an offer.
startDate	DateTime.iso 8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used. Value Range: DateMin to DateMax or DateBeginningOfTime



Table 31 Delete Offer Response

Parameter	Type	Occurrence	Description
expiryDate	DateTime.iso 8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The expiry date for a dedicated account, Value Range: DateMin to DateMax or DateInfinite
startDateTime	DateTime.iso 8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The start date and time for an offer. Value Range: DateMin to DateMax or DateBeginningOfTime
expiryDateTime	DateTime.iso 8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The expiry date and time. Value Range: DateMin to DateMax or DateInfinite
offerInformation	Sub-MO	Optional (0-n)	Dates (or dates and time) for offers.
offerID	Integer, 0 - 2147483647	Mandatory	The identity of an offer.
startDate	DateTime.iso 8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used. Value Range: DateMin to DateMax or DateBeginningOfTime



Table 31 Delete Offer Response

Parameter	Type	Occurrence	Description
expiryDate	DateTime.iso 8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The expiry date for a dedicated account, Value Range: DateMin to DateMax or DateInfinite
startDateTime	DateTime.iso 8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The start date and time for an offer. Value Range: DateMin to DateMax or DateBeginningOfTime
expiryDateTime	DateTime.iso 8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The expiry date and time. Value Range: DateMin to DateMax or DateInfinite
pamServiceID	Integer, 0 - 99	Optional (0-1)	The id of the periodic account management service.
offerType	Integer, 0 - 7	Optional (0-1)	The identifies the offer type.
offerState	Integer, 0 - 99 0 = Enabled offer state 1 = Disabled offer state 2-99 = Reserved for future use	Optional (0-1)	Specifies the actual offer state to return in a GetOfferrequest.
offerProviderID	String, 1 - 28 digits	Optional (0-1)	The subscriber number as represented in the SDP database for the provider.



Table 31 Delete Offer Response

Parameter	Type	Occurrence	Description
productID	Integer, 0 - 2147483647	Optional (0-1)	The identity of a product. Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.
usageCounterUsageThresholdInformation	Sub-MO	Optional (0-n)	All active usage counters with their thresholds for a subscriber.
usageCounterID	Integer, 1 - 2147483647	Mandatory	The id of a usage counter.
usageCounterValue	String, 0 - 9 223 372 036 854 775 807 digits	Optional (0-1)	The value of a non-monetary usage counter.
usageCounterNominalValue	String, 0 - 9 223 372 036 854 775 807 digits	Optional (0-1)	The value of a non-monetary usage counter, without any factor.
usageCounterMonetaryValue1	String, 0 - 999 999 999 999	Optional (0-1)	The value of a monetary usage counter. It indicates a usage counter amount in the first currency.
usageCounterMonetaryNominalValue1	String, 0 - 999 999 999 999	Optional (0-1)	The value of a monetary usage counter, without any factor. It indicates a usage counter amount in the first currency.
usageCounterMonetaryValue2	String, 0 - 999 999 999 999	Optional (0-1)	The value of a monetary usage counter. It indicates a usage counter amount in the second currency.
usageCounterMonetaryNominalValue2	String, 0 - 999 999 999 999	Optional (0-1)	The value of a monetary usage counter, without any factor. It indicates a usage counter amount in the second currency.
usageThresholdInformation	Sub-MO	Optional (0-n)	All information about a usage threshold. Depending on the usage counted the threshold value is represented either in the usageThresholdValue parameter or the usageThresholdMonetaryValue1 or usageThresholdMonetaryValue2 parameter. The usageThresholdSource parameter can not be updated but is included in responses.
usageThresholdID	Integer, 1 - 2147483647	Mandatory	The ID of a usage threshold.
usageThresholdValue	String, 0 - 9 223 372 036 854 775 807 digits	Optional (0-1)	The value of a non-monetary usage threshold.
usageThresholdMonetaryValue1	String, 0 - 999 999 999 999	Optional (0-1)	The value of a monetary usage threshold. It indicates a usage threshold amount in the first currency.
usageThresholdMonetaryValue2	String, 0 - 999 999 999 999	Optional (0-1)	The value of a monetary usage threshold. It indicates a usage threshold amount in the second currency.

Table 31 Delete Offer Response

Parameter	Type	Occurrence	Description
usageThresholdSource	Integer, 1 - 3 1 = Personal - The threshold has been changed to a value other than the usage counter definition and is fetched from the subscriber. 2 = Common - The threshold has been changed to an individual value for a provider shared by all consumers. 3 = Default - The threshold value fetched from the usage counter definition.	Optional (0-1)	The source of a usage threshold.
associatedPartyID	String, 1 - 28 digits	Optional (0-1)	The subscriber identity of the consumer or provider. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes.
associatedPartyID	String, 1 - 28 digits	Optional (0-1)	The subscriber identity of the consumer or provider. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes.
productID	Integer, 0 - 2147483647	Optional (0-1)	The identity of a product. Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.
usageCounterResourceConnected	Boolean {1} 1 (true): The usage counter is a non-product-private connected resource	Optional (0-1)	Indicates if the usage counter is a non-product-private connected resource.
dedicatedAccountChangeInformation	Sub-MO	Optional (0-n)	Contain information of changes done to balances and dates for dedicated accounts.
dedicatedAccountID	Integer, 1 - 2147483647	Mandatory	The identity of the dedicated account in order to be able to distinguish between the various dedicated accounts in an array of dedicated accounts.



Table 31 Delete Offer Response

Parameter	Type	Occurrence	Description
productID	Integer, 0 - 2147483647	Optional (0-1)	<p>The identity of a product.</p> <p>Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.</p>
dedicatedAccountValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p> <p>It indicates the balance in the first currency.</p>
dedicatedAccountValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p> <p>It indicates the balance in the second currency.</p>
startDate	<p>DateTime.iso 8601: YYYY-MM-DDT hh:mm:ssTZ</p> <p>TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00</p>	Optional (0-1)	<p>The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used.</p> <p>Element Value Range: DateMin to DateMax or DateBeginningOfTime</p>



Table 31 Delete Offer Response

Parameter	Type	Occurrence	Description
expiryDate	DateTime.iso 8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The expiry date for a dedicated account. Element Value Range: DateMin to DateMax or DateInfinite
pamServiceID	Integer, 0 - 99	Optional (0-1)	The id of the periodic account management service.
offerID	Integer, 1 - 2147483647	Optional (0-1)	The identity of an offer.
closestExpiryDate	DateTime.iso 8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date when the next sub dedicated account(s) will expire, this include both active and inactive sub dedicated accounts. DateToday to DateMax
closestExpiryValue1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest expiry date, this include both active and in active sub dedicated accounts. It indicates the balance of the first currency. If the unit type is other than money the closestExpiryValue1 contains the amount of the valid units and closestExpiryValue2 is omitted.
closestExpiryValue2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest expiry date, this include both active and in active sub dedicated accounts. It indicates the balance of the second currency. If the unit type is other than money the closestExpiryValue1 contains the amount of the valid units and closestExpiryValue2 is omitted.
closestAccessibleDate	DateTime.iso 8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date when the next sub dedicated account(s) will be accessible. This parameter is only valid for composite dedicated accounts. DateToday to DateMax



Table 31 Delete Offer Response

Parameter	Type	Occurrence	Description
closestAccessibleValue1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The balance of the sub dedicated account(s) with the closest start date. This parameter is only valid for composite dedicated accounts.</p> <p>It indicates the balance in the first currency.</p> <p>If the unit type is other than money the closestAccessibleValue1 contains the sum of the valid units and closestAccessibleValue2 is omitted.</p>
closestAccessibleValue2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The balance of the sub dedicated account(s) with the closest start date. This parameter is only valid for composite dedicated accounts.</p> <p>It indicates the balance in the second currency.</p> <p>If the unit type is other than money the closestAccessibleValue1 contains the sum of the valid units and closestAccessibleValue2 is omitted.</p>
dedicatedAccountActiveValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>This parameter contains a dedicated account balance that can be consumed right now. This is not taking in consideration any ongoing chargeable events. The active value is only valid for composite dedicated account as they can have resources that becomes accessible later.</p> <p>It indicates that the balance is in the first currency.</p> <p>If the unit type is other than money the dedicatedAccountActiveValue1 contains the sum of the valid units and dedicatedAccountActiveValue2 is omitted.</p>
dedicatedAccountActiveValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>This parameter contains a dedicated account balance that can be consumed right now. This is not taking in consideration any ongoing chargeable events. The active value is only valid for composite dedicated account as they can have resources that becomes accessible later.</p> <p>It indicates that the balance is in the second currency.</p> <p>If the unit type is other than money the dedicatedAccountActiveValue1 contains the sum of the valid units and dedicatedAccountActiveValue2 is omitted.</p>
subDedicatedAccountChangeInformation	Sub-MO	Optional (0-n)	Information about the changes made to a sub dedicated account.
changedAmount1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The parameter defines changed values on a main or dedicated account.</p> <p>It indicates a changed amount in the first currency.</p> <p>If the unit type is other than money the changedAmount1 contains the amount of the valid units and changedAmount2 is omitted.</p>
changedAmount2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The parameter defines changed values on a main or dedicated account.</p> <p>It indicates a changed amount in the second currency.</p> <p>If the unit type is other than money the changedAmount1 contains the amount of the valid units and changedAmount2 is omitted.</p>



Table 31 Delete Offer Response

Parameter	Type	Occurrence	Description
dedicatedAccountValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p> <p>It indicates the balance in the first currency.</p>
dedicatedAccountValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p> <p>It indicates the balance in the second currency.</p>
changedExpiryDate	Integer, -65535 to 65535	Optional (0-1)	The number of days the expiry date for a dedicated account has been changed as a result of the operation. The value is given in number of days.
newExpiryDate	DateTime.iso 8601: YYYY -MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11- 24T23:59:5 9+08:00	Optional (0-1)	The new expiry date for a dedicated account.



Table 31 Delete Offer Response

Parameter			Type	Occurrence	Description
		clearedExpiryDate	DateTime.iso 8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The previous expiry date for a cleared dedicated account. DateMin to DateMax or DateInfinite
		changedStartDate	Integer, -65535 to 65535	Optional (0-1)	The number of days the start date for a dedicated account has been changed as a result of the operation. The value is given in number of days.
		newStartDate	DateTime.iso 8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The new start date for a dedicated account. DateMin to DateMax or DateBeginningOfTime
		clearedStartDate	DateTime.iso 8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The previous start date for a cleared dedicated account. DateMin to DateMax or DateBeginningOfTime



Table 31 Delete Offer Response

Parameter	Type	Occurrence	Description
dedicatedAccountUnitType	Integer, 0 - 6 0 = The account contains time. 1 = The account contains money. 2 - 4 = The account contains total octets (Not used, reserved for future use). 5 = The account contains service specific units. 6 = The account contains volume.	Optional (0-1)	The unit of the dedicated account values and is mandatory if the function "multi unit" is active, in other case it is optional.
dedicatedAccountResourceConnected	Boolean {1} 1 (true): The dedicated account is a non-product-private connected resource	Optional (0-1)	Indicates if the dedicated account is a non-product-private connected resource.
dedicatedAccountInformation	Sub-MO	Optional (0-n)	Contain balances and dates for dedicated accounts.
dedicatedAccountID	Integer, 1 - 2147483647	Mandatory	The identity of the dedicated account in order to be able to distinguish between the various dedicated accounts in an array of dedicated accounts.
dedicatedAccountValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>It indicates that the balance is in the first currency.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p>



Table 31 Delete Offer Response

Parameter	Type	Occurrence	Description
dedicatedAccountValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>It indicates that the balance is in the second currency.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p>
expiryDate	DateTime.iso 8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	<p>The expiry date for a dedicated account.</p> <p>Element Value Range: DateMin to DateMax or DateInfinite</p>
startDate	DateTime.iso 8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	<p>The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used.</p> <p>Element Value Range: DateMin to DateMax or DateBeginningOfTime</p>
pamServiceID	Integer, 0 - 99	Optional (0-1)	The id of the periodic account management service.
offerID	Integer, 1 - 2147483647	Optional (0-1)	The identity of an offer.
productID	Integer, 0 - 2147483647	Optional (0-1)	<p>The identity of a product.</p> <p>Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.</p>



Table 31 Delete Offer Response

Parameter	Type	Occurrence	Description
closestExpiryDate	DateTime.iso 8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date when the next sub dedicated account(s) will expire, this include both active and inactive sub dedicated accounts. DateToday to DateMax
closestExpiryValue1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest expiry date, this include both active and in active sub dedicated accounts. It indicates the balance of the first currency. If the unit type is other than money the closestExpiryValue1 contains the amount of the valid units and closestExpiryValue2 is omitted.
closestExpiryValue2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest expiry date, this include both active and in active sub dedicated accounts. It indicates the balance of the second currency. If the unit type is other than money the closestExpiryValue1 contains the amount of the valid units and closestExpiryValue2 is omitted.
closestAccessibleDate	DateTime.iso 8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date when the next sub dedicated account(s) will be accessible. This parameter is only valid for composite dedicated accounts. DateToday to DateMax
closestAccessibleValue1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest start date. This parameter is only valid for composite dedicated accounts. It indicates the balance in the first currency. If the unit type is other than money the closestAccessibleValue1 contains the sum of the valid units and closestAccessibleValue2 is omitted.
closestAccessibleValue2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest start date. This parameter is only valid for composite dedicated accounts. It indicates the balance in the second currency. If the unit type is other than money the closestAccessibleValue1 contains the sum of the valid units and closestAccessibleValue2 is omitted.



Table 31 Delete Offer Response

Parameter		Type	Occurrence	Description
	subDedicatedAccountInformation	Sub-MO	Optional (0-n)	Balances and dates for sub dedicated accounts.
	dedicatedAccountValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>It indicates that the balance is in the first currency.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p>
	dedicatedAccountValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>It indicates that the balance is in the second currency.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p>
	startDate	DateTime.iso 8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	<p>The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used.</p> <p>Element Value Range: DateMin to DateMax or DateBeginningOfTime</p>



Table 31 Delete Offer Response

Parameter	Type	Occurrence	Description
expiryDate	DateTime.iso 8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The expiry date for a dedicated account. Element Value Range: DateMin to DateMax or DateInfinite
dedicatedAccountActiveValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	This parameter contains a dedicated account balance that can be consumed right now. This is not taking in consideration any ongoing chargeable events. The active value is only valid for composite dedicated account as they can have resources that becomes accessible later. It indicates that the balance is in the first currency. If the unit type is other than money the dedicatedAccountActiveValue1 contains the sum of the valid units and dedicatedAccountActiveValue2 is omitted.
dedicatedAccountActiveValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	This parameter contains a dedicated account balance that can be consumed right now. This is not taking in consideration any ongoing chargeable events. The active value is only valid for composite dedicated account as they can have resources that becomes accessible later. It indicates that the balance is in the second currency. If the unit type is other than money the dedicatedAccountActiveValue1 contains the sum of the valid units and dedicatedAccountActiveValue2 is omitted.
dedicatedAccountUnitType	Integer, 0 - 6 0 = The account contains time. 1 = The account contains money. 2 - 4 = The account contains total octets (Not used, reserved for future use). 5 = The account contains service specific units. 6 = The account contains volume.	Optional (0-1)	The unit of the dedicated account values and is mandatory if the function "multi unit" is active, in other case it is optional.
compositeDedicatedAccountFlag	Boolean { 1 }	Optional (0-1)	Indicate that a dedicated account is a composite dedicated account. It is used to identify a composite dedicated account that does not have any sub dedicated accounts



Table 31 Delete Offer Response

Parameter	Type	Occurrence	Description
dedicatedAccountResourceConnected	Boolean {1} 1 (true): The dedicated account is a non-product-private connected resource	Optional (0-1)	Indicates if the dedicated account is a non-product-private connected resource.
attributeInformation	Sub-MO	Optional (0-n)	Contains information about attributes. It will be returned as response to GetAccountDetails, GetBalanceAndDate, GetOffers and Refill if requested with requestAttributesFlag and if any attributes exist that have a value. attributeInformation will also be included as response to DeleteOffer and DeleteSubscriber if any attributes is removed. For UpdateOffer response, attributeInformation will include all attributes that have values.
attributeName	String, 1 - 128 characters	Mandatory	The name of the attribute.
attributeValueString	String, 1 - 128 extended characters Extended characters which allows all US-ASCII values from 32 to 126 (hexadecimal 0x20 to 0x7e).	Optional (0-1)	The string value of an attribute.
attributeValueDate	DateTime.iso 8601: YYYY-MM-DDThh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date value of an attribute. DateMin to DateMax or DateInfinite
attributeValueDecimal	Sub-MO	Optional (0-n)	Information about a decimal value.
attributeValueNumber	String, -999 999 999 999 to 999 999 999 999 SignedNumeric	Mandatory	The parameter contains up to 15 significant digits that together with the numberOfDecimals parameter forms a decimal number. There is no decimal sign included in this parameter.
numberOfDecimals	Integer, 0 - 15	Mandatory	The parameter forms together with attributeValue Number a decimal number. The parameter contains information about where to put the decimal sign counted in positions from the right.
attributeValueInteger	Integer, -214 7483648 to 2147483647	Optional (0-1)	Contains the integer value of an attribute.



Table 31 Delete Offer Response

Parameter		Type	Occurrence	Description
	attributeSource	Integer, 1 - 255 1 = Default value from definition 2 - 255 = Reserved for future use	Optional (0-1)	Contains the source from where the attribute is fetched. Default (parameter is not included) means the attribute is stored on the entity provisioned for a subscriber.
	treeParameterSetInformation	Sub-MO	Optional (0-n)	Contains information about treeParameterSets divided per tree names It is returned as response to GetAccountDetails, GetBalanceAndDate and GetOffers if requested with requestTreeParameterSetsFlag and if any attributes exist that have a value. It is also included as response to DeleteOffer and DeleteSubscriber if any attributes is removed. For UpdateOffer response, it includes all attributes that have values.
	serviceProvider	Integer, 1 - 6 1: Rating template 2: Policy rule determination template 3: Product notification template 4: Product fee template 5: Product provision template 6: Quota determination template	Optional (0-1)	Contains the service provider which is the type of treeParameter.
	treeParameterInformation	Sub-MO	Optional (0-n)	Contains information about a treeParameter.
	treeParameterName	String , 1 - 128 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash).	Optional (0-1)	Contains the name of the tree parameter.
	treeParameterValueString	String , 1 - 128 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash).	Optional (0-1)	Contains the string value of a tree parameter.



Table 31 Delete Offer Response

Parameter			Type	Occurrence	Description
		treeParameterValueDate	DateTime.iso8601: YYYY-MM-DDThh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	Contains the date value of a tree parameter.
		treeParameterValueDecimal	Sub-MO	Optional (0-n)	Contains information about a decimal value. It is enclosed in a <struct> of its own. The structure contains one parameter treeParameterValueNumber containing the significant digits and a numberOfDecimals part telling how many decimals are used.
		treeParameterValueNumber	String, -999 999 999 999 to 999 999 999 999 SignedNumeric	Mandatory	The parameter contains up to 15 significant digits that together with the numberOfDecimals parameter forms a decimal number. There is no decimal sign included in this parameter.
		numberOfDecimals	Integer, 0 - 15	Mandatory	The parameter contains information about where to put the decimal sign counted in positions from the right.
		treeParameterValueInteger	String, -922337203 6854775807 to 922337203 6854775807 SignedNumeric	Optional (0-1)	Contains the integer value of a tree parameter
		treeParameterValueDayOfWeek	Integer, 0 - 7	Optional (0-1)	Contains the value of day of week of a tree parameter. 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday
		treeParameterValueDateRange	Sub-MO	Optional (0-1)	The struct is used to define the range of dates valid for a tree parameter. It contains two dates in a sequence to specify the range needed for tree parameter.



Table 31 Delete Offer Response

Parameter				Type	Occurrence	Description
			treeParameterStartDate	DateTime.iso8601: YYYY-MM-DDThh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Mandatory	Contains the initial date of range applied for a tree parameter.
			treeParameterEndDate	DateTime.iso8601: YYYY-MM-DDThh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Mandatory	Contains the final date of range applied for a tree parameter.
			treeParameterValueTime	String, 1 - 8 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash)	Optional (0-1)	Contains the value of time applied for a tree parameter.
			treeParameterValueSchedule		Optional (0-1)	Contains values for a schedule event.
			scheduledFrequency	Integer, 1 - 7	Mandatory	Contains the frequency of the schedule (monthly, weekly, daily etc). 1: Yearly 2: Monthly 3: Weekly 4: Daily 5: Hourly 6: Minutely 7: Secondly
			scheduledInterval	Integer, 1 - 99999	Optional (0-1)	Contains the interval of the schedule (For example every week, every second, every month, etc.).
			scheduledMonth	Integer, 1 - 12	Optional (0-n)	Contains the number of month for the schedule.
			scheduledDayOfMonth	Integer, -1 - 31	Optional (0-n)	Contains the number of the days of month for the schedule. Value -1 means last day of month.



Table 31 Delete Offer Response

Parameter				Type	Occurrence	Description
			scheduledDayOfWeek	Integer, 1 - 7	Optional (0-n)	Contains the week day for the schedule. 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday
			scheduledHour	Integer, 0 - 23	Optional (0-1)	Contains the time (hour) for the schedule.
			scheduledMinute	Integer, 0 - 59	Optional (0-1)	Contains the time (minute) for the schedule.
			scheduledSecond	Integer, 0 - 59	Optional (0-1)	Contains the time (second) for the schedule.
			treeParameterSource	Integer, 1 - 2 1: Tree parameter value fetched from the offer definition 2: Tree parameter fetched from the template tree definition	Optional (0-1)	Contains the source where the tree parameter is fetched. Default (parameter is not included) means the tree parameter is stored on the entity provisioned for a subscriber.
			associatedPartyID	String, 1 - 28 digits	Optional (0-1)	The subscriber identity of the consumer or provider. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes.
			productOfferingName	String, 1 - 128 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash)	Optional (0-n)	Contains the identity of a product offering.
			pamServiceID	Integer, 0 - 99	Optional (0-1)	The identity of the periodic account management service.
			currency1	String, Currency	Optional (0-1)	The first currency to be presented to the end user. For example, SEK, EUR, USD, etc.
			currency2	String, Currency	Optional (0-1)	The second currency to be presented to the end user. For example, SEK, EUR, USD, etc.
			dedicatedAccountDeleteInformation	Sub-MO	Optional (0-n)	Balances and dates for dedicated accounts.
			dedicatedAccountID	Integer, 1 - 2147483647	Mandatory	The identity of the dedicated account in order to be able to distinguish between the various dedicated accounts in an array of dedicated accounts.



Table 31 Delete Offer Response

Parameter	Type	Occurrence	Description
productID	Integer, 0 - 2147483647	Optional (0-1)	<p>The identity of a product.</p> <p>Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.</p>
dedicatedAccountValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p> <p>It indicates the balance in the first currency.</p>
dedicatedAccountValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p> <p>It indicates the balance in the second currency.</p>
expiryDate	<p>DateTime.iso 8601: YYYY-MM-DDT hh:mm:ssTZ</p> <p>TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00</p>	Optional (0-1)	<p>The expiry date for a dedicated account.</p> <p>Element Value Range: DateMin to DateMax or DateInfinite</p>



Table 31 Delete Offer Response

Parameter	Type	Occurrence	Description
startDate	DateTime.iso8601: YYYY-MM-DDThh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used. Element Value Range: DateMin to DateMax or DateBeginningOfTime
pamServiceID	Integer, 0 - 99	Optional (0-1)	The identity of the periodic account management service.
offerID	Integer, 1 - 2147483647	Optional (0-1)	The identity of an offer.
subDedicatedAccountInformation	Sub-MO	Optional (0-n)	Balances and dates for sub dedicated accounts.
dedicatedAccountValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events. It indicates that the balance is in the first currency. If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted. When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.
dedicatedAccountValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events. It indicates that the balance is in the second currency. If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted. When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.



Table 31 Delete Offer Response

Parameter	Type	Occurrence	Description
startDate	DateTime.iso 8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used. Element Value Range: DateMin to DateMax or DateBeginningOfTime
expiryDate	DateTime.iso 8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The expiry date for a dedicated account. Element Value Range: DateMin to DateMax or DateInfinite
dedicatedAccountUnit Type	Integer, 0 - 6 0 = The account contains time. 1 = The account contains money. 2 - 4 = The account contains total octets (Not used, reserved for future use). 5 = The account contains service specific units. 6 = The account contains volume.	Optional (0-1)	The unit of the dedicated account values and is mandatory if the function "multi unit" is active, in other case it is optional
fafInformation	Sub-MO	Optional (0-n)	Information about family and friends function
fafNumber	String, 1 - 30 digits	Mandatory	A Family and Friends number



Table 31 Delete Offer Response

Parameter	Type	Occurrence	Description
owner	String Enumeration value="Subscriber" Enumeration value="Account"	Mandatory	Indicate whether the data is attached to the account or subscriber.
faIndicator	Integer, 1 - 65535	Optional (0-1)	This parameter is used for differentiated rating for traffic events to and from numbers in the Family and Friends (FaF) number list.
offerType	Integer, 0 - 7	Optional (0-1)	The identifies the offer type.
offerState	Integer, 0 - 99 0 = Enabled offer state 1 = Disabled offer state 2-99 = Reserved for future use	Optional (0-1)	Specifies the actual offer state to return in a GetOfferrequest.
offerProviderID	String, 1 - 28 digits	Optional (0-1)	The subscriber number as represented in the SDP database for the provider.
attributeInformation	Sub-MO	Optional (0-n)	Contains information about attributes. It will be returned as response to GetAccountDetails, GetBalanceAndDate, GetOffers and Refill if requested with requestAttributesFlag and if any attributes exist that have a value. attributeInformation will also be included as response to DeleteOffer and DeleteSubscriber if any attributes is removed. For UpdateOffer reponse, attributeInformation will include all attributes that have values.
attributeName	String, 1 - 128 characters	Mandatory	The name of the attribute.
attributeValueString	String, 1 - 128 extended characters Extended characters which allows all US-ASCII values from 32 to 126 (hexadecimal 0x20 to 0x7e).	Optional (0-1)	The string value of an attribute.
attributeValueDate	DateTime.iso 8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Mandatory	The date value of an attribute. DateMin to DateMax or DateInfinite



Table 31 Delete Offer Response

Parameter	Type	Occurrence	Description
attributeValueDecimal	Sub-MO	Mandatory	Information about a decimal value.
attributeValueNumber	String, -999 999 999 999 to 999 999 999 SignedNumeric	Mandatory	The parameter contains up to 15 significant digits that together with the numberOfDecimals parameter forms a decimal number. There is no decimal sign included in this parameter.
numberOfDecimals	Integer, 0 - 15	Mandatory	The parameter forms together with attributeValue Number a decimal number. The parameter contains information about where to put the decimal sign counted in positions from the right.
attributeValueInteger	Integer, -214 7483648 to 2147483647	Optional (0-1)	Contains the integer value of an attribute.
attributeSource	Integer, 1 - 255 1 = Default value from definition 2 - 255 = Reserved for future use	Optional (0-1)	Contains the source from where the attribute is fetched. Default (parameter is not included) means the attribute is stored on the entity provisioned for a subscriber.
treeParameterSetInformation	Sub-MO	Optional (0-n)	Contains information about treeParameterSets divided per tree names It is returned as response to GetAccountDetails, GetBalanceAndDate and GetOffers if requested with requestTreeParameterSetsFlag and if any attributes exist that have a value. It is also included as response to DeleteOffer and DeleteSubscriber if any attributes is removed. For UpdateOffer response, it includes all attributes that have values.
serviceProvider	Integer, 1 - 6 1: Rating template 2: Policy rule determination template 3: Product notification template 4: Product fee template 5: Product provision template 6: Quota determination template	Optional (0-1)	Contains the service provider which is the type of treeParameter.
treeParameterInformation	Sub-MO	Optional (0-n)	Contains information about a treeParameter.



Table 31 Delete Offer Response

Parameter	Type	Occurrence	Description
treeParameterName	String , 1 - 128 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash).	Optional (0-1)	Contains the name of the tree parameter.
treeParameterValue String	String , 1 - 128 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash).	Optional (0-1)	Contains the string value of a tree parameter.
treeParameterValue Date	DateTime.iso 8601: YYYY -MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11- 24T23:59:5 9+08:00	Optional (0-1)	Contains the date value of a tree parameter.
treeParameterValue Decimal	Sub-MO	Optional (0-n)	Contains information about a decimal value. It is enclosed in a <struct> of its own. The structure contains one parameter treeParameterValueNumber containing the significant digits and a numberOfDecimals part telling how many decimals are used.
treeParameterVal ueNumber	String, -999 999 999 999 999 to 999 999 999 999 999 SignedN umeric	Mandatory	The parameter contains up to 15 significant digits that together with the numberOfDecimals parameter forms a decimal number. There is no decimal sign included in this parameter.
numberOfDecimal s	Integer, 0 - 15	Mandatory	The parameter contains information about where to put the decimal sign counted in positions from the right.
treeParameterValue Integer	String, -922337203 6854775807 to 92233720 36854775807 SignedNume ric	Optional (0-1)	Contains the integer value of a tree parameter
treeParameterValue Schedule		Optional (0-1)	Contains values for a schedule event.



Table 31 Delete Offer Response

Parameter			Type	Occurrence	Description
		scheduledFrequency	Integer, 1 - 7	Mandatory	Contains the frequency of the schedule (monthly, weekly, daily etc). 1: Yearly 2: Monthly 3: Weekly 4: Daily 5: Hourly 6: Minutely 7: Secondly
		scheduledInterval	Integer, 1 - 99999	Optional (0-1)	Contains the interval of the schedule (For example every week, every second, every month, etc.).
		scheduledMonth	Integer, 1 - 12	Optional (0-n)	Contains the number of month for the schedule.
		scheduledDayOf Month	Integer, -1 - 31	Optional (0-n)	Contains the number of the days of month for the schedule. Value -1 means last day of month.
		scheduledDayOf Week	Integer, 1 - 7	Optional (0-n)	Contains the week day for the schedule. 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday
		scheduledHour	Integer, 0 - 23	Optional (0-1)	Contains the time (hour) for the schedule.
		scheduledMinute	Integer, 0 - 59	Optional (0-1)	Contains the time (minute) for the schedule.
		scheduledSecond	Integer, 0 - 59	Optional (0-1)	Contains the time (second) for the schedule.
		treeParameterValue DayOfWeek	Integer, 0 - 7	Optional (0-1)	Contains the value of day of week of a tree parameter. 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday
		treeParameterValue DateRange	Sub-MO	Optional (0-1)	The struct is used to define the range of dates valid for a tree parameter. It contains two dates in a sequence to specify the range needed for tree parameter.



Table 31 Delete Offer Response

Parameter	Type	Occurrence	Description
treeParameterStartDate	DateTime.iso8601: YYYY-MM-DDThh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Mandatory	Contains the initial date of range applied for a tree parameter.
treeParameterEndDate	DateTime.iso8601: YYYY-MM-DDThh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Mandatory	Contains the final date of range applied for a tree parameter.
treeParameterValueTime	String, 1 - 8 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash)	Optional (0-1)	Contains the value of time applied for a tree parameter.
treeParameterSource	Integer, 1 - 2 1: Tree parameter value fetched from the offer definition 2: Tree parameter fetched from the template tree definition	Optional (0-1)	Contains the source where the tree parameter is fetched. Default (parameter is not included) means the tree parameter is stored on the entity provisioned for a subscriber.
associatedPartyID	String, 1 - 28 digits	Optional (0-1)	The subscriber identity of the consumer or provider. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes.



Table 31 Delete Offer Response

Parameter	Type	Occurrence	Description
productOfferingName	String , 1 - 128 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash)	Optional (0-n)	Contains the identity of a product offering.
negotiatedCapabilities	Integer, 0 - 2147483647	Optional (0-n)	Indicate the negotiated capabilities between the client and server node. The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active.
availableServerCapabilities	Integer, 0 - 2147483647	Optional (0-n)	Indicate the available capabilities at the server node. The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active. If only one element is present and is set to 0, no functions after release AIR-IP 5.0 are active, only legacy functionality can be used.

8.3 Examples

This section gives an example of the deleteOffer request and response message. This example shows how to delete an AIR offer.

Request Example

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
  xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SessionId>5b96b03b62c9445fac3862d4632aabee</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Delete>
      <cai3:MOType>Offer@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000001</air:subscriberNumber>
        <air:offerID>102</air:offerID>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:deleteOffer subscriberNumber="465273152000001" offerID="102">
          <air:subscriberNumberNAI>1</air:subscriberNumberNAI>
          <air:originOperatorID>operator1997</air:originOperatorID>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
        </air:deleteOffer>
      </cai3:MOAttributes>
    </cai3:Delete>
  </soapenv:Body>
</soapenv:Envelope>
```

Example 78 Delete Offer Request Message

Response Example



```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3g="http://schemas.ericsson.com/cai3g1.2/">
  <S:Header>
    <cai3g:SessionId>5b96b03b62c9445fac3862d4632aabee</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <DeleteResponse xmlns="http://schemas.ericsson.com/cai3g1.2/">
      <MOId>
        <air:subscriberNumber xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/"
xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">465273152000001
        </air:subscriberNumber>
        <air:offerID xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/"
xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
          102</air:offerID>
      </MOId>
      <MOAttributes>
        <deleteOfferResponse:deleteOfferResponse
xmlns="http://schemas.ericsson.com/ma/CS/AIR/"
xmlns:deleteOfferResponse="http://schemas.ericsson.com/ma/CS/AIR/">
          <subscriberNumber>465273152000001</subscriberNumber>
          <originTransactionID>14430815310782731534</originTransactionID>
          <originOperatorID>operator1997</originOperatorID>
          <offerID>102</offerID>
          <startDateTime>2015-09-24T09:56:49+02:00</startDateTime>
          <expiryDateTime>9999-12-31T12:00:00+00:00</expiryDateTime>
          <offerType>3</offerType>
          <offerProviderID>465273152000001</offerProviderID>
          <negotiatedCapabilities>0</negotiatedCapabilities>
          <availableServerCapabilities>805646916</availableServerCapabilities>
        </deleteOfferResponse:deleteOfferResponse>
      </MOAttributes>
    </DeleteResponse>
  </S:Body>
</S:Envelope>

```

Example 79 Delete Offer Response Message



9 Set AIR refill

This section covers the AIR command `setRefill`.

MOType

Refill@http://schemas.ericsson.com/ma/CS/AIR/

9.1 Request Data

9.1.1 Parameters

MOId

Table 32 Set Refill MOId

Parameter	Type	Occurrence	Description
subscriberNumber	String, 1 - 28 digits	Mandatory	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by subscriberNumberNAI parameter.

MOAttributes

Table 33 covers the parameters that can be used in a `setRefill` request.



Table 33 Set Refill Parameters

Parameter	Type	Occurrence	Description
originNodeType	String Enumeration value="EXT" Enumeration value="AIR" Enumeration value="ADM" Enumeration value="UGW" Enumeration value="IVR" Enumeration value="OGW" Enumeration value="SDP"	Optional (0-1)	<p>The parameter contains the origin node type that is set by AIR or provided by an external network element. It contains the type of the logical node from where the operation originated. External network elements are not allowed to use the reserved names on network element types, (except EXT).</p> <p>Network Element Type:</p> <p>EXT:External system</p> <p>AIR:Account information and refill</p> <p>ADM:Administrative system</p> <p>UGW: USSD gateway</p> <p>IVR :Interactive voice response system</p> <p>OGW: On-line gateway</p> <p>SDP: Service data point</p> <p>If this parameter is absent from the request, Dynamic Activation will generate "ADM" as the parameter to NEs.</p>
originHostName	String, 1 - 255 characters	Optional (0-1)	<p>The identifier string for the host where the operation originated from. The host name shall be unique within the network for a given network element type.</p> <p>If this parameter is absent from the request, Dynamic Activation will generate a node name, which the character "-" replaced by "" as the parameter to NEs.</p>
originTransactionID	String, 0 - 9999 9999 9999 9999 digits Each digit is 0-9	Optional (0-1)	<p>The Unique identifier for the transaction, generated by the system it was initiated from.</p> <p>The value in this parameter must be unique per operation and can be a sequence number. An operation in this case is for example a refill.</p> <p>If this parameter is absent from the request, Dynamic Activation will generate System time milliseconds plus seven random digital numbers as the parameter to NEs.</p>



Parameter	Type	Occurrence	Description
originTimeStamp	String: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date and time of sending the request by the entity that initiated the operation. If this parameter is absent from the request, Dynamic Activation will generate PGN system time plus the default "+0100" or the configured <i>ChargingTimeZone</i> value in Activation Logic as the parameter to NEs. Refer to <i>User Guide for Resource Activation</i> , Reference [4] for details of Activation Logic.
subscriberNumberNAI	Integer, 0 - 2 0 = National number (with prefix) 1 = International number 2 = National significant number (without prefix)	Optional (0-1)	The Nature of Address Indicator identifies the format of the subscriberNumber parameter.
originOperatorID	String, 1- 255 characters	Optional (0-1)	The identity of the system user or the session from where the operation was initiated. It can be used for security management or logging purposes for an example. If this parameter is absent from the request, Dynamic Activation will generate the default "operator" or the configured <i>OriginOperatorId</i> value in Activation Logic as the parameter to NEs. Refer to <i>User Guide for Resource Activation</i> , Reference [4] for details of Activation Logic configure.
externalData1	String, 1 - 128	Optional (0-1)	A spare parameter for customizations to include in data records.
externalData2	String, 1 - 128	Optional (0-1)	A spare parameter for customizations to include in data records.
externalData3	String, 1 - 128	Optional (0-1)	A spare parameter for customizations to include in data records.
externalData4	String, 1 - 128	Optional (0-1)	A spare parameter for customizations to include in data records.
transactionType	String, 1 - 30 characters	Optional (0-1)	Specify the operation in more detail. It associate a description of a certain operation along with <i>transactionCode</i> .



Parameter	Type	Occurrence	Description
transactionCode	String, 1 - 30 characters	Optional (0-1)	Specify the operation in more detail. It associate a description of a certain operation along with transactionType.
messageCapabilityFlag	Sub-MO	Optional (0-1)	The possible actions that may be performed on the account due to an operation initiated over this protocol.
promotionNotificationFlag	Boolean { 0, 1 } 0 (false) = Default value. Promotion notification code will not be cleared after delivery in response. 1 (true) = Promotion notification code will be cleared after delivery in response.	Optional (0-1)	Indicate whether the promotion notification code shall be cleared or not after delivery in response.
firstIVRCallsSetFlag	Boolean { 0, 1 } 0 (false) = Do not set first IVR call done flag. 1 (true) = Set first IVR call done flag.	Optional (0-1)	Indicate whether the first IVR call done flag shall be set or not.
accountActivationFlag	Boolean { 0, 1 } 0 (false) = Default value. Pre-activated accounts will not be activated due to the request. Account can however be activated if service fee and supervision expiry dates are set as a result of this request. In this case neither the initial balance nor the life-cycle dates from the pre-activation configuration will not be given. 1 (true) = Pre-activated accounts may be activated due to the request. If service fee and supervision expiry dates are explicitly received in the request these days will used and initial balance will be applied (but no additional days from the pre-activation configuration will be given). If service fee and supervision expiry dates are not explicitly set in the request initial life-cycle days and initial balance is applied.	Optional (0-1)	Indicate whether pre-activated accounts can be or cannot be activated due to the request. The possibility to activate a pre-activated account by this flag is configured in the account databases service class configuration. This results in that even if the flag is set to true the account may not be activated.
requestRefillAccountBeforeFlag	Boolean { 0, 1 } 0 (false) = Request account details before refill is not applied. 1 (true) = Request account details before refill is applied.	Optional (0-1)	The parameter contains the optional information that is requested.



Parameter	Type	Occurrence	Description
requestRefillAccountAfterFlag	Boolean { 0, 1 } 0 (false) = Request account details after refill is not applied. 1 (true) = Request account details after refill is applied.	Optional (0-1)	The parameter contains optional information that is requested.
requestRefillDetailsFlag	Boolean { 0, 1 } 0 (false) = Request refill information is not applied. 1 (true) = Request refill information is applied.	Optional (0-1)	The parameter contains optional information that is requested.
requestSubDedicatedAccountDetailsFlag	Boolean { 0, 1 } 0 (false) = Default value. The response will not include the associated subDedicatedAccountInformation structs. 1 (true) = The response will include the associated subDedicatedAccountInformation structs.	Optional (0-1)	Indicate the requested detail level of the content in the dedicatedAccountInformation.
transactionAmount	String, 0 - 999 999 999 999	Optional (0-1)	The nominal value of the refill.
transactionCurrency	String, Currency	Optional (0-1)	The ID to point out what currency is used for the transaction. For example, SEK, EUR, USD, etc.
refillProfileID	String, 1 - 4 characters	Optional (0-1)	The parameter contains a refill profile that is converted into a segmentation identity by the AIR server.
voucherActivationCode	String, 8 - 20 digits	Optional (0-1)	The activation number which is the unique secret code on the voucher which the subscriber uses when performing a voucher based refill of the account. The format includes support of leading zeroes.
selectedOption	Integer, 1- 999	Optional (0-1)	The value of the selected option. The values are configurable by the operator. The value is primarily used for Option Refill.
locationNumber	String, 1 - 20 digits	Optional (0-1)	The parameter contains the location of the subscriber. The default numbering format in the parameter is the same numbering format that is used for subscriber numbers in the Account Database. If another format is used, then it must be indicated by "Location Number NAI"



Parameter	Type	Occurrence	Description
locationNumberNAI	Integer, 0 -2 0 = National number (with prefix) 1 = International number 2 = National significant number (without prefix)	Optional (0-1)	The locationNumberNAI (Nature of Address Indicator) parameter identifies the format of the "location Number".
refillType	Integer, 1-999 1 = Value Refill 2 = Account Refill 3 = Premium Refill 4~99 = Reserved for future use 100~999 = Operator defined	Optional (0-1)	The refillType parameter specifies the kind of refill, it is part of both the refill request and refill response. The refillType parameter in a request specifies the wanted type of refill; this parameter can be validated or ignored depending of the configuration.
cellIdentifier	String, 1 - 19 1 - 19 = Numeric 10 - 19 CAP = 14 CGI/SAI	Optional (0-1)	The parameter output the CellGlobal Identity (CGI) or Service Area Identity (SAI). It can be sent as an input parameter through UCIP. If not sent as parameter, this parameter is retrieved from the HLR using ATI request. The cellIdentifier parameter can also be a return parameter through UCIP.
validateSubscriberLocation	Boolean { 0, 1 } 0 (false) = Default value. Do not perform validation. 1 (true) = Perform validation	Optional (0-1)	Indicates whether a validation of the subscriber location should be performed or not.
treeDefinedField	Sub-MO	Optional (0-1)	
treeDefinedFieldName	String, 1 - 15 characters	Mandatory	The defined name of the TDF.
treeDefinedFieldType	String	Mandatory	The treeDefinedFieldType parameter holds the defined type of the TDF. Possible value are list as below: Boolean String Long
treeDefinedFieldValue	String Alphanumeric Ranger: Depends on treeDefinedFieldType Boolean "true", "false" String Allowed characters: All	Mandatory	The treeDefinedFieldValue parameter contains the defined value of the TDF.



Parameter	Type	Occurrence	Description
requestAttributesFlag	Boolean { 0, 1 } 0 (false) = Default value. The response will not contain attributes. 1 (true) The response will contain attributes, if existing.	Optional (0-1)	Indicate whether the attribute stored for the offer is to be included in a response.
negotiatedCapabilities	Integer: array of <int> or <i4> 0 - 2147483647	Optional (0-n)	Indicates the negotiated capabilities between the client and server node. The capabilities are presented as a series of elements, where each element contains an integer value between 0 and 2147483647. The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active..

9.2 Response Data

9.2.1 Parameters

MOAttributes

The following tables cover the parameters that can be used in a `setRefill` response.

Table 34 Set Refill Parameters (Part I)

Parameter	Type	Occurrence	Description
subscriberNumber	String, 1 - 28 digits	Optional (0-1)	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by subscriberNumberNAI parameter.
originTransactionID	String, 0 - 9999 9999 9999 9999 9999 digits	Optional (0-1)	Reference to a single operation, generated by the system it was initiated from. The value in this parameter must be unique per operation and can be a sequence number. For example, an operation in this case is a refill.
originOperatorID	String, 1 - 255 characters	Optional (0-1)	The identity of the system user or the session from where the operation was initiated. It might be used for security management or logging purposes for an example.
masterAccountNumber	String, 1 - 28 digits	Optional (0-1)	The subscriber identity of the master subscriber in a multi user account. The format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeros.



Parameter	Type	Occurrence	Description
languageIDCurrent	Integer, 1 - 4 1 = Operat or specific language 1 2 = Operat or specific language 2 3 = Operat or specific language 3 4 = Operat or specific language 4	Optional (0-1)	The preferred language of the subscriber.
promotionAnnouncementCode	Integer, 0 - 99	Optional (0-1)	The promotional code for the announcement to be played.
voucherAgent	String, 1 - 8 characters	Optional (0-1)	The dealer who received the vouchers from the service provider (as defined when creating the vouchers).
voucherSerialNumber	String, 8 - 20 digits	Optional (0-1)	The vouchers serial number. Mandatory for voucher based refill and not needed for voucherless refill.
voucherGroup	String, 1 - 4 characters	Optional (0-1)	The unique identity of the card group that is associated to the voucher.
transactionCurrency	String, Currency	Optional (0-1)	The ID to point out what currency is used for the transaction. For example, SEK, EUR, USD, etc.
transactionAmount	String, 0 - 999 999 999 999	Optional (0-1)	The nominal value of the refill. A transaction parameter includes data regarding a requested change.
transactionAmountConverted	String, 0 - 999 999 999 999	Optional (0-1)	The 'Transaction Amount Refill' that has been converted into the currency of the account.
currency1	String, Currency	Optional (0-1)	The first currency to be presented to the end user. For example, SEK, EUR, USD, etc.
currency2	String, Currency	Optional (0-1)	The second currency to be presented to the end user. For example, SEK, EUR, USD, etc.
refillInformation	Sub-MO	Optional (0-1)	Contain information the refillvalue Total and Promotion.
refillValueTotal	Sub-MO	Mandatory	The total values applied to account (including market segmentation and promotion). It contains the resulting values that will be applied to the account, both for the added amounts and dates.
refillAmount1	Sting, 0 - 9 223 372 036 854 775 807	Mandatory	Refill value towards the main account in the first currency. If the unit type is other than money the refillAmount1 contains the amount of the valid units and refillAmount2 is omitted.



Parameter	Type	Occurrence	Description
refillAmount2	Sting, 0 - 9 223 372 036 854 775 807	Optional (0-1)	Refill value towards the main account in the second currency. If the unit type is other than money the refillAmount1 contains the amount of the valid units and refillAmount2 is omitted.
supervisionDaysExtended	Integer, 0 - 2147483 647	Optional (0-1)	Number of days the supervision period has been extended as a result of the refill. The part is given in number of days.
serviceFeeDaysExtended	Integer, 0 - 2147483 647	Optional (0-1)	Number of days the service fee period has been extended as a result of the refill. The part is given in number of days.
dedicatedAccountRefillInformation	Sub-MO	Optional (0-n)	The Refill information of dedicated Account.
dedicatedAccountID	Integer, 0 - 2147483 647	Optional (0-1)	Identity of the dedicated account in order to be able to distinguish between the various dedicated accounts.
refillAmount1	Sting, 0 - 9 223 372 036 854 775 807	Optional (0-1)	Refill value towards the main account in the first currency. If the unit type is other than money the refillAmount1 contains the amount of the valid units and refillAmount2 is omitted.
refillAmount2	Sting, 0 - 9 223 372 036 854 775 807	Optional (0-1)	Refill value towards the main account in the second currency. If the unit type is other than money the refillAmount1 contains the amount of the valid units and refillAmount2 is omitted.
expiryDateExtended	Integer, 0 - 65535 0 = Expiry date has been changed to no expiry date. 1 - 65535 = Expiry date has been extended.	Optional (0-1)	The expiry date for a dedicated account has been extended. The part is given in number of days.
clearedValue1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807	Optional (0-1)	The units cleared for the dedicated account of subscriber when the dedicated account is removed. For example, a dedicated account might be removed at a service class change, or when the account is deleted. It indicates that the units cleared is in the first currency to be announced If the unit type is other than money the clearedValue1 contains the amount of the valid units and clearedValue2 is omitted.



Parameter			Type	Occurrence	Description
		clearedValue2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807	Optional (0-1)	The units cleared for the dedicated account of subscriber when the dedicated account is removed. For example, a dedicated account might be removed at a service class change, or when the account is deleted. It indicates that the units cleared is in the second currency to be announced If the unit type is other than money the clearedValue1 contains the amount of the valid units and clearedValue2 is omitted.
		offerID	Integer, 1 - 2147483 647	Optional (0-1)	The identity of an offer.
		subDedicated AccountRefill nformation	Sub-MO	Optional (0-1)	The refill information of sub dedicated account.
		startDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used. Element Value Range: DateMin to DateMax or DateBeginningOfTime
		expiryDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The expiry date for a dedicated account. Element Value Range: DateMin to DateMax or DateInfinite
		refillAmount 1	String, 0 - 9 223 372 036 854 775 807	Optional (0-1)	Refill value towards the main account in the first currency. If the unit type is other than money the refillAmount1 contains the amount of the valid units and refillAmount2 is omitted.
		refillAmount 2	String, 0 - 9 223 372 036 854 775 807	Optional (0-1)	Refill value towards the main account in the second currency. If the unit type is other than money the refillAmount1 contains the amount of the valid units and refillAmount2 is omitted.



Parameter			Type	Occurrence	Description
		clearedValue1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807	Optional (0-1)	<p>The units cleared for the dedicated account of subscriber when the dedicated account is removed. For example, a dedicated account might be removed at a service class change, or when the account is deleted.</p> <p>It indicates that the units cleared is in the first currency to be announced</p> <p>If the unit type is other than money the clearedValue1 contains the amount of the valid units and clearedValue2 is omitted.</p>
		clearedValue2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807	Optional (0-1)	<p>The units cleared for the dedicated account of subscriber when the dedicated account is removed. For example, a dedicated account might be removed at a service class change, or when the account is deleted.</p> <p>It indicates that the units cleared is in the second currency to be announced</p> <p>If the unit type is other than money the clearedValue1 contains the amount of the valid units and clearedValue2 is omitted.</p>
		dedicatedAccountUnitType	Integer, 0 - 6 0 = The account contains time. 1 = The account contains money. 2 - 4 = The account contains total octets (Not used, reserved for future use). 5 = The account contains service specific units. 6 = The account contains volume.	Optional (0-1)	The unit of the dedicated account values and is mandatory if the function "multi unit" is active, in other case it is optional
		usageAccumulatorInformation	Sub-MO	Optional (0-n)	Information of usage accumulator.
		accumulatorID	Integer, 1 - 2147483 647	Optional (0-1)	The identity of accumulator.
		accumulatorValue	Integer, -214748 3648 to 2147483 647	Optional (0-1)	The value of accumulator.



Parameter	Type	Occurrence	Description
refillValuePromotion	Sub-MO	Optional (0-1)	The resulting promotion values that is applied to the account (including market segmentation and promotion). It contains the resulting values that will be applied to the account, both for the added amounts and dates.
refillAmount1	Sting, 0 - 9 223 372 036 854 775 807	Mandatory	Refill value towards the main account in the first currency. If the unit type is other than money the refillAmount1 contains the amount of the valid units and refillAmount2 is omitted.
refillAmount2	Sting, 0 - 9 223 372 036 854 775 807	Optional (0-1)	Refill value towards the main account in the second currency. If the unit type is other than money the refillAmount1 contains the amount of the valid units and refillAmount2 is omitted.
supervisionDaysExtended	Integer, 0 - 2147483 647	Optional (0-1)	Number of days the supervision period has been extended as a result of the refill. The part is given in number of days.
serviceFeeDaysExtended	Integer, 0 - 2147483 647	Optional (0-1)	Number of days the service fee period has been extended as a result of the refill. The part is given in number of days.
dedicatedAccountRefillInformation	Sub-MO	Optional (0-n)	The Refill information of dedicated Account.
dedicatedAccountID	Integer, 1 - 2147483 647	Optional (0-1)	The identity of the dedicated account in order to be able to distinguish between the various dedicated accounts.
refillAmount1	Sting, 0 - 9 223 372 036 854 775 807	Optional (0-1)	Refill value towards the main account in the first currency. If the unit type is other than money the refillAmount1 contains the amount of the valid units and refillAmount2 is omitted.
refillAmount2	Sting, 0 - 9 223 372 036 854 775 807	Optional (0-1)	Refill value towards the main account in the second currency. If the unit type is other than money the refillAmount1 contains the amount of the valid units and refillAmount2 is omitted.
expiryDateExtended	Integer, 0 - 65535 0 = Expiry date has been changed to no expiry date. 1 - 65535 = Expiry date has been extended.	Optional (0-1)	The expiry date for a dedicated account has been extended. The part is given in number of days.



Parameter			Type	Occurrence	Description
		clearedValue1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807	Optional (0-1)	<p>The units cleared for the dedicated account of subscriber when the dedicated account is removed. For example, a dedicated account might be removed at a service class change, or when the account is deleted.</p> <p>It indicates that the units cleared is in the first currency to be announced</p> <p>If the unit type is other than money the clearedValue1 contains the amount of the valid units and clearedValue2 is omitted.</p>
		clearedValue2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807	Optional (0-1)	<p>The units cleared for the dedicated account of subscriber when the dedicated account is removed. For example, a dedicated account might be removed at a service class change, or when the account is deleted.</p> <p>It indicates that the units cleared is in the second currency to be announced</p> <p>If the unit type is other than money the clearedValue1 contains the amount of the valid units and clearedValue2 is omitted.</p>
		offerID	Integer, 1 - 2147483 647	Optional (0-1)	The identity of an offer.
		subDedicated AccountRefill information	Sub-MO	Optional (0-1)	The refill information of sub dedicated account.
		startDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	<p>The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used.</p> <p>Element Value Range: DateMin to DateMax or DateBeginningOfTime</p>
		expiryDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	<p>The expiry date for a dedicated account.</p> <p>Element Value Range: DateMin to DateMax or DateInfinite</p>



Parameter				Type	Occurrence	Description
			refillAmount1	String, 0 - 9 223 372 036 854 775 807	Optional (0-1)	Refill value towards the main account in the first currency. If the unit type is other than money the refillAmount1 contains the amount of the valid units and refillAmount2 is omitted.
			refillAmount2	String, 0 - 9 223 372 036 854 775 807	Optional (0-1)	Refill value towards the main account in the second currency. If the unit type is other than money the refillAmount1 contains the amount of the valid units and refillAmount2 is omitted.
			clearedValue1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807	Optional (0-1)	The units cleared for the dedicated account of subscriber when the dedicated account is removed. For example, a dedicated account might be removed at a service class change, or when the account is deleted. It indicates that the units cleared is in the first currency to be announced If the unit type is other than money the clearedValue1 contains the amount of the valid units and clearedValue2 is omitted.
			clearedValue2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807	Optional (0-1)	The units cleared for the dedicated account of subscriber when the dedicated account is removed. For example, a dedicated account might be removed at a service class change, or when the account is deleted. It indicates that the units cleared is in the second currency to be announced If the unit type is other than money the clearedValue1 contains the amount of the valid units and clearedValue2 is omitted.
			dedicatedAccountUnitType	Integer, 0 - 6 0 = The account contains time. 1 = The account contains money. 2 - 4 = The account contains total octets (Not used, reserved for future use). 5 = The account contains service specific units. 6 = The account contains volume.	Optional (0-1)	The unit of the dedicated account values and is mandatory if the function "multi unit" is active, in other case it is optional.



Parameter		Type	Occurrence	Description
	usageAccumulatorInformation	Sub-MO	Optional (0-n)	Information of usage accumulator.
	accumulatorID	Integer, 1 - 2147483647	Optional (0-1)	The identity of accumulator.
	accumulatorValue	Integer, -2147483648 to 2147483647	Optional (0-1)	The value of accumulator.
	serviceClassCurrent	Integer, 0 - 9999	Optional (0-1)	The service class currently used by the subscriber.
	serviceClassTemporaryExpiryDate	DateTime.iso8601: YYYY-MM-DDThh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The expiry date of a temporary service class of an account. A temporary service class has precedence before the normally assigned service class, as long as the temporary service class date expiry date is not passed.
	promotionPlanProgressed	Boolean { 0, 1 } 0 (false) = Default value. No progress 1 (true) = Progression of promotion	Optional (0-1)	Indicate whether the result of the refill was a progression of promotion plan.
	supervisionDaysSurplus	Integer, 0 - 2147483647	Optional (0-1)	The number of days that was not possible to add (including any promotional part) as the date has exceed the maximum period allowed. The accounts actual supervision date will be set equal to the maximum allowed date.
	serviceFeeDaysSurplus	Integer, 0 - 2147483647	Optional (0-1)	The number of days that was not possible to add (including any promotional part) as the date has exceed the maximum period allowed. The accounts actual supervision date will be set equal to the maximum allowed date.
	promotionRefillAccumulatedValue1	String, 0 - 999 999 999 999 price	Optional (0-1)	The accumulated value of account refills made within the current promotion plan of a subscriber. It indicates the value in the first currency.
	promotionRefillAccumulatedValue2	String, 0 - 999 999 999 999 price	Optional (0-1)	The accumulated value of account refills made within the current promotion plan of a subscriber. It indicates the value in the second currency.
	promotionRefillCounter	Integer, 0 - 255	Optional (0-1)	The accumulated number of account refills within the current promotion plan of a subscriber.



Parameter	Type	Occurrence	Description
progressionRefillValue1	String, 0 - 999 999 999 999 price	Optional (0-1)	The accumulated value of refills for promotion plan progression. It indicates the value in the first currency.
progressionRefillValue2	String, 0 - 999 999 999 999 price	Optional (0-1)	The accumulated value of refills for promotion plan progression. It indicates the value in the second currency.
progressionRefillCounter	Integer, 0 - 255	Optional (0-1)	The value of the accumulated number of refills for promotion plan progression.

Table 35 Set Refill Parameters (Part II)

Parameter	Type	Occurrence	Description
accountBeforeRefill	Sub-MO	Optional (0-1)	The financial and lifecycle data of the account before the refill is applied.
serviceClassTemporaryExpiryDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The expiry date of a temporary service class of an account. A temporary service class has precedence before the normally assigned service class, as long as the temporary service class date expiry date is not passed.
serviceClassOriginal	Integer, 0 - 9999	Optional (0-1)	The identity of the original service class when a temporary service class is active for an account. In case serviceClassOriginal is returned then the serviceClassCurrent will contain the temporary service class currently active for the account. When a temporary service class is active and a Return Service Class ID is specified, the serviceClassOriginal parameter will contain the identity of the return service class instead of the original service class. The account will then return to the specified Return Service Class ID when the temporary service class expires.
serviceClassCurrent	Integer, 0 - 9999	Optional (0-1)	The service class currently used by the subscriber. This might be a temporary Service Class, which is controlled by a temporary Service Class expiry date (separate parameter).
accountFlags	Sub-MO	Optional (0-1)	The life cycle state flags of the account, indicating the actual status of the account.



Parameter	Type	Occurrence	Description
activationStatus Flag	Boolean { 0, 1 } 0 (false) = Default value. Account is not activated 1 (true) = Account is activated	Optional (0-1)	Indicate whether an account is activated or not.
negativeBarring StatusFlag	Boolean { 0, 1 } 0 (false) = Default value. Account is not barred due to negative balance. 1 (true) = Account is barred due to negative balance.	Optional (0-1)	Indicate whether an account is barred due to negative balance or not.
supervisionPeriodWarningActive Flag	Boolean { 0, 1 } 0 (false) = Default value. Supervision period date expiration warning not active. 1 (true) = Supervision period date expiration warning active.	Optional (0-1)	Indicate whether the supervision period date expiration warning is active or not.
serviceFeePeriodWarningActive Flag	Boolean { 0, 1 } 0 (false) = Default value. Service fee period date expiration warning not active. 1 (true) = Service fee period date expiration warning active	Optional (0-1)	Indicate whether the service fee period date expiration warning is active or not.



Parameter	Type	Occurrence	Description
supervisionPeriodExpiryFlag	Boolean { 0, 1 } 0 (false) = Default value. Supervision period date has not expired. 1 (true) = Supervision period date has expired.	Optional (0-1)	Indicate whether the supervision period date has expired or not.
serviceFeePeriodExpiryFlag	Boolean { 0, 1 } 0 (false) = Default value. Service fee period date has not expired. 1 (true) = Service fee period date has expired.	Optional (0-1)	Indicate if the service fee period date has expired or not.
promotionPlanID	String, 1 - 4 characters	Optional (0-1)	The identity of one of the current promotion plans of a subscriber.
serviceFeeExpiryDate	DateTime .iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm m For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The expiry date of the service fee period.



Parameter	Type	Occurrence	Description
supervisionExpiryDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:ss sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The expiry date of the supervision period.
creditClearanceDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:ss sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date when the credit clearance period will expire.
serviceRemovalDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:ss sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date when the account will be removed after the service removal period has expired.
accountValue1	String, -999 999 999 999 to 999 999 999 999 price	Optional (0-1)	The account value for the master account of subscriber. This is not taking in consideration any ongoing chargeable events. It indicates an account value in the first currency.
accountValue2	String, -999 999 999 999 to 999 999 999 999 price	Optional (0-1)	The account value for the master account of subscriber. This is not taking in consideration any ongoing chargeable events. It indicates an account value in the second currency.



Parameter	Type	Occurrence	Description
dedicatedAccountInformation	Sub-MO	Optional (0-n)	Balances and dates for dedicated accounts.
dedicatedAccountID	Integer, 1 - 2147483647	Mandatory	The identity of the dedicated account in order to be able to distinguish between the various dedicated accounts in an array of dedicated accounts.
dedicatedAccountValue1	String, 0 - 9 223 372 036 854 775 807 Unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p> <p>It indicates the balance in the first currency.</p>
dedicatedAccountValue2	String, 0 - 9 223 372 036 854 775 807 Unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p> <p>It indicates the balance in the second currency.</p>
expiryDate	DateTime .iso8601: YYYY-MM-DDT hh:mm:ss sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm m For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	<p>The expiry date for a dedicated account.</p> <p>Value Range: DateMin to DateMax or DateInfinite</p>



Parameter	Type	Occurrence	Description
startDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used. Value Range: DateMin to DateMax or DateBeginningOfTime
pamServiceID	Integer, 0 - 99	Optional (0-1)	The identity of the periodic account management service.
offerID	Integer, 0 - 2147483 647	Optional (0-1)	The identity of an offer.
productID	Integer, 0 - 2147483 647	Optional (0-1)	The identity of a product. Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.
closestExpiryDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	Date when the next sub dedicated account(s) will expire, this include both active and inactive sub dedicated accounts. Value Range: DateToday to DateMax
closestExpiryValue1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest expiry date, this include both active and in active sub dedicated accounts. It indicates the balance in the first currency. If the unit type is other than money the closestExpiryValue1 contains the amount of the valid units and closestExpiryValue2 is omitted.
closestExpiryValue2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest expiry date, this include both active and in active sub dedicated accounts. It indicates the balance in the second currency. If the unit type is other than money the closestExpiryValue1 contains the amount of the valid units and closestExpiryValue2 is omitted.



Parameter	Type	Occurrence	Description
closestAccessibleDate	DateTime .iso8601: YYYY-MM-DDT hh:mm:ss sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm m For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	Date when the next sub dedicated account(s) will be accessible. This parameter is only valid for composite dedicated accounts. Value Range: DateToday to DateMax
closestAccessibleValue1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest start date. This parameter is only valid for composite dedicated accounts. It indicates the balance in the first currency. If the unit type is other than money the closestAccessibleValue1 contains the sum of the valid units and closestAccessibleValue2 is omitted.
closestAccessibleValue2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest start date. This parameter is only valid for composite dedicated accounts. It indicates the balance in the second currency. If the unit type is other than money the closestAccessibleValue1 contains the sum of the valid units and closestAccessibleValue2 is omitted.
subDedicatedAccountInformation	Sub-MO	Optional (0-n)	Balances and dates for sub dedicated accounts.
dedicatedAccountValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events. If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted. When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807. It indicates the balance in the first currency.



Parameter	Type	Occurrence	Description
dedicatedAccountValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p> <p>It indicates the balance in the second currency.</p>
startDate	DateTime .iso8601: YYYY-MM-DDT hh:mm:ss sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	<p>The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used.</p> <p>Value Range: DateMin to DateMax or DateBeginningOfTime</p>
expiryDate	DateTime .iso8601: YYYY-MM-DDT hh:mm:ss sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	<p>The expiry date for a dedicated account.</p> <p>Value Range: DateMin to DateMax or DateInfinite</p>



Parameter	Type	Occurrence	Description
dedicatedAccountActiveValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>This parameter contains a dedicated account balance that can be consumed right now. This is not taking in consideration any ongoing chargeable events. The active value is only valid for composite dedicated account as they can have resources that becomes accessible later.</p> <p>It indicates that the balance is in the first currency.</p> <p>If the unit type is other than money the dedicatedAccountActiveValue1 contains the sum of the valid units and dedicatedAccountActiveValue2 is omitted.</p>
dedicatedAccountActiveValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>This parameter contains a dedicated account balance that can be consumed right now. This is not taking in consideration any ongoing chargeable events. The active value is only valid for composite dedicated account as they can have resources that becomes accessible later.</p> <p>It indicates that the balance is in the second currency.</p> <p>If the unit type is other than money the dedicatedAccountActiveValue1 contains the sum of the valid units and dedicatedAccountActiveValue2 is omitted.</p>
dedicatedAccountUnitType	Integer, 0 - 6 0 = The account contains time. 1 = The account contains money. 2 - 4= The account contains total octets (Not used, reserved for future use). 5 = The account contains service specific units. 6 = The account contains volume.	Optional (0-1)	The unit of the dedicated account values and is mandatory if the function "multi unit" is active, in other case it is optional.
compositeDedicatedAccountFlag	Boolean { 1 }	Optional (0-1)	This flag indicates that a dedicated account is a composite dedicated account. It is used to identify a composite dedicated account that does not have any sub dedicated accounts.
usageAccumulatorInformation	Sub-MO	Optional (0-n)	Information of usage accumulator.
accumulatorID	Integer, 1 - 2147483 647	Optional (0-1)	The identity of accumulator.



Parameter	Type	Occurrence	Description
accumulatorValue	Integer, -2147483648 to 2147483647	Optional (0-1)	The value of accumulator.
serviceOfferings	Sub-MO	Optional (0-n)	The values of the service offerings defined on an account. It has to be matched to the definitions of the tariff tree.
serviceOfferingID	Integer, 1 - 31	Mandatory	The identity of a current service offering defined on an account.
serviceOfferingActiveFlag	Boolean { 0, 1 } 0 (false) = The service offering is not active. 1 (true) = The service offering is active.	Mandatory	Whether a specific service offering pointed out by the serviceOfferingID parameter is active or not.
communityID	String	Mandatory (1-n)	The identity of the community the subscriber belong to.
offerInformation	Sub-MO	Optional (0-n)	Dates (or dates and time) for offers.
offerID	Integer, 0 - 2147483647	Mandatory	The identity of an offer.
startDate	DateTime .iso8601: YYYY-MM-DDThh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used. Value Range: DateMin to DateMax or DateBeginningOfTime



Parameter		Type	Occurrence	Description
	expiryDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The expiry date for a dedicated account, Value Range: DateMin to DateMax or DateInfinite
	startDateTime	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The start date and time for an offer. Value Range: DateMin to DateMax or DateBeginningOfTime
	expiryDateTime	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The expiry date and time. Value Range: DateMin to DateMax or DateInfinite
	pamServiceID	Integer, 0 - 99	Optional (0-1)	The id of the periodic account management service.
	offerType	Integer, 0 - 7	Optional (0-1)	The identifies the offer type.



Parameter	Type	Occurrence	Description
offerState	Integer, 0 - 99 0 = Enabled offer state 1 = Disabled offer state 2-99 = Reserved for future use	Optional (0-1)	Specifies the actual offer state to return in a GetOfferrequest.
offerProviderID	String, 1 - 28 digits	Optional (0-1)	The subscriber number as represented in the SDP database for the provider.
productID	Integer, 0 - 2147483647	Optional (0-1)	The identity of a product. Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.
usageCounterUsageThresholdInformation	Sub-MO	Optional (0-n)	All active usage counters with their thresholds for a subscriber.
usageCounterID	Integer, 1 - 2147483647	Mandatory	The id of a usage counter.
usageCounterValue	String, 0 - 9 223 372 036 854 775 807 digits	Optional (0-1)	The value of a non-monetary usage counter.
usageCounterNominalValue	String, 0 - 9 223 372 036 854 775 807 digits	Optional (0-1)	The value of a non-monetary usage counter, without any factor.
usageCounterMonetaryValue1	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage counter. It indicates a usage counter amount in the first currency.
usageCounterMonetaryNominalValue1	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage counter, without any factor. It indicates a usage counter amount in the first currency.
usageCounterMonetaryValue2	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage counter. It indicates a usage counter amount in the second currency.
usageCounterMonetaryNominalValue2	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage counter, without any factor. It indicates a usage counter amount in the second currency.



Parameter			Type	Occurrence	Description
		usageThresholdInformation	Sub-MO	Optional (0-n)	All information about a usage threshold. Depending on the usage counted the threshold value is represented either in the usageThresholdValue parameter or the usageThresholdMonetaryValue1 or usageThresholdMonetaryValue2 parameter. The usageThresholdSource parameter can not be updated but is included in responses.
		usageThresholdID	Integer, 1 - 2147483647	Mandatory	The ID of a usage threshold.
		usageThresholdValue	String, 0 - 9 223 372 036 854 775 807 digits	Optional (0-1)	The value of a non-monetary usage threshold.
		usageThresholdMonetaryValue1	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage threshold. It indicates a usage threshold amount in the first currency.
		usageThresholdMonetaryValue2	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage threshold. It indicates a usage threshold amount in the second currency.
		usageThresholdSource	Integer, 1 - 3 1 = Personal - The threshold has been changed to a value other than the usage counter definition and is fetched from the subscriber. 2 = Common - The threshold has been changed to an individual value for a provider shared by all consumers. 3 = Default - The threshold value fetched from the usage counter definition.	Optional (0-1)	The source of a usage threshold.
		associatedPartyID	String, 1 - 28 digits	Optional (0-1)	The subscriber identity of the consumer or provider. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes.



Parameter	Type	Occurrence	Description
associatedPartyID	String, 1 - 28 digits	Optional (0-1)	The subscriber identity of the consumer or provider. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes.
productID	Integer, 0 - 2147483647	Optional (0-1)	The identity of a product. Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.
dedicatedAccountChangeInformation	Sub-MO	Optional (0-n)	Information of changes done to balances and dates for dedicated accounts.
dedicatedAccountID	Integer, 1 - 2147483647	Mandatory	The identity of the dedicated account in order to be able to distinguish between the various dedicated accounts in an array of dedicated accounts.
productID	Integer, 0 - 2147483647	Optional (0-1)	The identity of a product. Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.
dedicatedAccountValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events. If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted. When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807. It indicates the balance in the first currency.



Parameter	Type	Occurrence	Description
dedicatedAccountValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p> <p>It indicates the balance in the second currency.</p>
expiryDate	DateTime .iso8601: YYYY-MM-DDT hh:mm:ss sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm m For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	<p>The expiry date for a dedicated account.</p> <p>Element Value Range: DateMin to DateMax or DateInfinite</p>
startDate	DateTime .iso8601: YYYY-MM-DDT hh:mm:ss sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm m For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	<p>The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used.</p> <p>Element Value Range: DateMin to DateMax or DateBeginningOfTime</p>
pamServiceID	Integer, 0 - 99	Optional (0-1)	The id of the periodic account management service.
offerID	Integer, 1 - 2147483 647	Optional (0-1)	The identity of an offer.



Parameter	Type	Occurrence	Description
closestExpiryDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:ss sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The date when the next sub dedicated account(s) will expire, this include both active and inactive sub dedicated accounts. DateToday to DateMax
closestExpiryValue1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest expiry date, this include both active and in active sub dedicated accounts. It indicates the balance of the first currency. If the unit type is other than money the closestExpiryValue1 contains the amount of the valid units and closestExpiryValue2 is omitted.
closestExpiryValue2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest expiry date, this include both active and in active sub dedicated accounts. It indicates the balance of the second currency. If the unit type is other than money the closestExpiryValue1 contains the amount of the valid units and closestExpiryValue2 is omitted.
closestAccessibleDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:ss sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The date when the next sub dedicated account(s) will be accessible. This parameter is only valid for composite dedicated accounts. DateToday to DateMax
closestAccessibleValue1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest start date. This parameter is only valid for composite dedicated accounts. It indicates the balance in the first currency. If the unit type is other than money the closestAccessibleValue1 contains the sum of the valid units and closestAccessibleValue2 is omitted.



Parameter	Type	Occurrence	Description
closestAccessibleValue2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The balance of the sub dedicated account(s) with the closest start date. This parameter is only valid for composite dedicated accounts.</p> <p>It indicates the balance in the second currency.</p> <p>If the unit type is other than money the closestAccessibleValue1 contains the sum of the valid units and closestAccessibleValue2 is omitted.</p>
dedicatedAccountActiveValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>This parameter contains a dedicated account balance that can be consumed right now. This is not taking in consideration any ongoing chargeable events. The active value is only valid for composite dedicated account as they can have resources that becomes accessible later.</p> <p>It indicates that the balance is in the first currency.</p> <p>If the unit type is other than money the dedicatedAccountActiveValue1 contains the sum of the valid units and dedicatedAccountActiveValue2 is omitted.</p>
dedicatedAccountActiveValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>This parameter contains a dedicated account balance that can be consumed right now. This is not taking in consideration any ongoing chargeable events. The active value is only valid for composite dedicated account as they can have resources that becomes accessible later.</p> <p>It indicates that the balance is in the second currency.</p> <p>If the unit type is other than money the dedicatedAccountActiveValue1 contains the sum of the valid units and dedicatedAccountActiveValue2 is omitted.</p>
subDedicatedAccountChangeInformation	Sub-MO	Optional (0-n)	Information about the changes made to a sub dedicated account.
changedAmount1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The parameter defines changed values on a main or dedicated account.</p> <p>It indicates a changed amount in the first currency.</p> <p>If the unit type is other than money the changedAmount1 contains the amount of the valid units and changedAmount2 is omitted.</p>
changedAmount2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The parameter defines changed values on a main or dedicated account.</p> <p>It indicates a changed amount in the second currency.</p> <p>If the unit type is other than money the changedAmount1 contains the amount of the valid units and changedAmount2 is omitted.</p>



Parameter	Type	Occurrence	Description
dedicatedAccountValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p> <p>It indicates the balance in the first currency.</p>
dedicatedAccountValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p> <p>It indicates the balance in the second currency.</p>
changedExpiryDate	Integer, -65535 to 65535	Optional (0-1)	The number of days the expiry date for a dedicated account has been changed as a result of the operation. The value is given in number of days.
newExpiryDate	DateTime .iso8601: YYYY-MM-DDT hh:mm:ss sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm m For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The new expiry date for a dedicated account.



Parameter				Type	Occurrence	Description
			clearedExpiry Date	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The previous expiry date for a cleared dedicated account. DateMin to DateMax or DateInfinite
			changedStart Date	Integer, -65535 to 65535	Optional (0-1)	The number of days the start date for a dedicated account has been changed as a result of the operation. The value is given in number of days.
			newStartDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The new start date for a dedicated account. DateMin to DateMax or DateBeginningOfTime
			clearedStartD ate	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The previous start date for a cleared dedicated account. DateMin to DateMax or DateBeginningOfTime



Parameter	Type	Occurrence	Description
dedicatedAccountUnitType	Integer, 0 - 6 0 = The account contains time. 1 = The account contains money. 2 - 4 = The account contains total octets (Not used, reserved for future use). 5 = The account contains service specific units. 6 = The account contains volume.	Optional (0-1)	The unit of the dedicated account values and is mandatory if the function "multi unit" is active, in other case it is optional.
dedicatedAccountInformation	Sub-MO	Optional (0-n)	Balances and dates for dedicated accounts.
dedicatedAccountID	Integer, 1 - 2147483647	Mandatory	The identity of the dedicated account in order to be able to distinguish between the various dedicated accounts in an array of dedicated accounts.
dedicatedAccountValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>It indicates that the balance is in the first currency.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p>



Parameter	Type	Occurrence	Description
dedicatedAccountValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>It indicates that the balance is in the second currency.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p>
expiryDate	<p>DateTime .iso8601: YYYY-MM-DDT hh:mm:ss sTZ</p> <p>TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11-24T23:59:59+08:00</p>	Optional (0-1)	<p>The expiry date for a dedicated account.</p> <p>Element Value Range: DateMin to DateMax or DateInfinite</p>
startDate	<p>DateTime .iso8601: YYYY-MM-DDT hh:mm:ss sTZ</p> <p>TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11-24T23:59:59+08:00</p>	Optional (0-1)	<p>The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used.</p> <p>Element Value Range: DateMin to DateMax or DateBeginningOfTime</p>
pamServiceID	Integer, 0 - 99	Optional (0-1)	The id of the periodic account management service.
offerID	Integer, 1 - 2147483 647	Optional (0-1)	The identity of an offer.



Parameter	Type	Occurrence	Description
productID	Integer, 0 - 2147483647	Optional (0-1)	The identity of a product. Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.
closestExpiryDate	DateTime .iso8601: YYYY-MM-DDT hh:mm:ss sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date when the next sub dedicated account(s) will expire, this include both active and inactive sub dedicated accounts. DateToday to DateMax
closestExpiryValue1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest expiry date, this include both active and in active sub dedicated accounts. It indicates the balance of the first currency. If the unit type is other than money the closestExpiryValue1 contains the amount of the valid units and closestExpiryValue2 is omitted.
closestExpiryValue2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest expiry date, this include both active and in active sub dedicated accounts. It indicates the balance of the second currency. If the unit type is other than money the closestExpiryValue1 contains the amount of the valid units and closestExpiryValue2 is omitted.
closestAccessibleDate	DateTime .iso8601: YYYY-MM-DDT hh:mm:ss sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date when the next sub dedicated account(s) will be accessible. This parameter is only valid for composite dedicated accounts. DateToday to DateMax



Parameter	Type	Occurrence	Description
closestAccessibleValue1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The balance of the sub dedicated account(s) with the closest start date. This parameter is only valid for composite dedicated accounts.</p> <p>It indicates the balance in the first currency.</p> <p>If the unit type is other than money the closestAccessibleValue1 contains the sum of the valid units and closestAccessibleValue2 is omitted.</p>
closestAccessibleValue2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The balance of the sub dedicated account(s) with the closest start date. This parameter is only valid for composite dedicated accounts.</p> <p>It indicates the balance in the second currency.</p> <p>If the unit type is other than money the closestAccessibleValue1 contains the sum of the valid units and closestAccessibleValue2 is omitted.</p>
subDedicatedAccountInformation	Sub-MO	Optional (0-n)	Balances and dates for sub dedicated accounts.
dedicatedAccountValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>It indicates that the balance is in the first currency.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p>
dedicatedAccountValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>It indicates that the balance is in the second currency.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p>



Parameter	Type	Occurrence	Description
startDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used. Element Value Range: DateMin to DateMax or DateBeginningOfTime
expiryDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The expiry date for a dedicated account. Element Value Range: DateMin to DateMax or DateInfinite
dedicatedAccountActiveValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	This parameter contains a dedicated account balance that can be consumed right now. This is not taking in consideration any ongoing chargeable events. The active value is only valid for composite dedicated account as they can have resources that becomes accessible later. It indicates that the balance is in the first currency. If the unit type is other than money the dedicatedAccountActiveValue1 contains the sum of the valid units and dedicatedAccountActiveValue2 is omitted.
dedicatedAccountActiveValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	This parameter contains a dedicated account balance that can be consumed right now. This is not taking in consideration any ongoing chargeable events. The active value is only valid for composite dedicated account as they can have resources that becomes accessible later. It indicates that the balance is in the second currency. If the unit type is other than money the dedicatedAccountActiveValue1 contains the sum of the valid units and dedicatedAccountActiveValue2 is omitted.



Parameter		Type	Occurrence	Description
	dedicatedAccountUnitType	Integer, 0 - 6 0 = The account contains time. 1 = The account contains money. 2 - 4 = The account contains total octets (Not used, reserved for future use). 5 = The account contains service specific units. 6 = The account contains volume.	Optional (0-1)	The unit of the dedicated account values and is mandatory if the function "multi unit" is active, in other case it is optional.
	compositeDedicatedAccountFlag	Boolean { 1 }	Optional (0-1)	Indicate that a dedicated account is a composite dedicated account. It is used to identify a composite dedicated account that does not have any sub dedicated accounts
	attributeInformation	Sub-MO	Optional (0-n)	Contains information about attributes. It will be returned as response to GetAccountDetails, GetBalanceAndDate, GetOffers and Refill if requested with requestAttributesFlag and if any attributes exist that have a value. attributeInformation will also be included as response to DeleteOffer and DeleteSubscriber if any attributes is removed. For UpdateOffer response, attributeInformation will include all attributes that have values.
	attributeName	String, 1 - 128 characters	Mandatory	The name of the attribute.
	attributeValueString	String, 1 - 128 extended characters Extended characters which allows all US-ASCII values from 32 to 126 (hexadecimal 0x20 to 0x7e).	Optional (0-1)	The string value of an attribute.



Parameter	Type	Occurrence	Description
attributeValueDate	DateTime .iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date value of an attribute. DateMin to DateMax or DateInfinite
attributeValueDecimal	Sub-MO	Optional (0-1)	Information about a decimal value.
attributeValueNumber	String, -999 999 999 999 999 to 999 999 999 SignedNumeric	Mandatory	The parameter contains up to 15 significant digits that together with the numberOfDecimals parameter forms a decimal number. There is no decimal sign included in this parameter.
numberOfDecimals	Integer, 0 - 15	Mandatory	The parameter forms together with attributeValueNumber a decimal number. The parameter contains information about where to put the decimal sign counted in positions from the right.
attributeValueInteger	Integer, -2147483648 to 2147483647	Optional (0-1)	Contains the integer value of an attribute.
attributeSource	Integer, 1 - 255 1 = Default value from definition 2 - 255 = Reserved for future use	Optional (0-1)	Contains the source from where the attribute is fetched. Default (parameter is not included) means the attribute is stored on the entity provisioned for a subscriber.
treeParameterSetInformation	Sub-MO	Optional (0-n)	Contains information about treeParameterSets divided per tree names It is returned as response to GetAccountDetails, GetBalanceAndDate and GetOffers if requested with requestTreeParameterSetsFlag and if any attributes exist that have a value. It is also included as response to DeleteOffer and DeleteSubscriber if any attributes is removed. For UpdateOffer reponse, it includes all attributes that have values.



Parameter			Type	Occurrence	Description
		serviceProvider	Integer, 1 - 6 1: Rating template 2: Policy rule determination template 3: Product notification template 4: Product fee template 5: Product provision template 6: Quota determination template	Optional (0-1)	Contains the service provider which is the type of treeParameter.
		treeParameterInformation	Sub-MO	Optional (0-n)	Contains information about a treeParameter.
		treeParameterName	String , 1 - 128 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash).	Optional (0-1)	Contains the name of the tree parameter.
		treeParameterValueString	String , 1 - 128 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash).	Optional (0-1)	Contains the string value of a tree parameter.



Parameter			Type	Occurrence	Description
		treeParameter ValueDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:ss sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For exam ple, 2005- 11- 24T23 :59:59+08 :00	Optional (0-1)	Contains the date value of a tree parameter.
		treeParameter ValueDecima l	Sub-MO	Optional (0-n)	Contains information about a decimal value. It is enclosed in a <struct> of its own. The structure contains one parameter treeParameterValueNumber containing the significant digits and a numberOfDecimals part telling how many decimals are used.
		treeParamet erValueNum ber	String, -999 999 999 999 999 to 999 999 999 999 999 SignedNu meric	Mandatory	The parameter contains up to 15 significant digits that together with the numberOfDecimals parameter forms a decimal number. There is no decimal sign included in this parameter.
		numberOfD ecimals	Integer, 0 - 15	Mandatory	The parameter contains information about where to put the decimal sign counted in positions from the right.
		treeParameter ValueInteger	String, -922337 20368547 75807 to 92233720 36854775 807 Signe dNumeric	Optional (0-1)	Contains the integer value of a tree parameter
		treeParameter ValueSchedu le		Optional (0-1)	Contains values for a schedule event.
		scheduledFr equency	Integer, 1 - 7	Mandatory	Contains the frequency of the schedule (monthly, weekly, daily etc). 1: Yearly 2: Monthly 3: Weekly 4: Daily 5: Hourly 6: Minutely 7: Secondly
		scheduledInt erval	Integer, 1 - 99999	Optional (0-1)	Contains the interval of the schedule (For example every week, every second, every month, etc.).



Parameter				Type	Occurrence	Description
			scheduledMonth	Integer, 1 - 12	Optional (0-n)	Contains the number of month for the schedule.
			scheduledDayOfMonth	Integer, -1 - 31	Optional (0-n)	Contains the number of the days of month for the schedule. Value -1 means last day of month.
			scheduledDayOfWeek	Integer, 1 - 7	Optional (0-n)	Contains the week day for the schedule. 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday
			scheduledHour	Integer, 0 - 23	Optional (0-1)	Contains the time (hour) for the schedule.
			scheduledMinute	Integer, 0 - 59	Optional (0-1)	Contains the time (minute) for the schedule.
			scheduledSecond	Integer, 0 - 59	Optional (0-1)	Contains the time (second) for the schedule.
			treeParameterValueDayOfWeek	Integer, 0 - 7	Optional (0-1)	Contains the value of day of week of a tree parameter. 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday
			treeParameterValueDateRange	Sub-MO	Optional (0-1)	The struct is used to define the range of dates valid for a tree parameter. It contains two dates in a sequence to specify the range needed for tree parameter.
			treeParameterStartDate	DateTime .iso8601: YYYY-MM-DDT hh:mm:ss sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Mandatory	Contains the initial date of range applied for a tree parameter.



Parameter				Type	Occurrence	Description
			treeParameterEndDate	DateTime .iso8601: YYYY-MM-DDT hh:mm:ss sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Mandatory	Contains the final date of range applied for a tree parameter.
			treeParameterValueTime	String , 1 - 8 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash)	Optional (0-1)	Contains the value of time applied for a tree parameter.
			treeParameterSource	Integer, 1 - 2 1: Tree parameter value fetched from the offer definition 2: Tree parameter fetched from the template tree definition	Optional (0-1)	Contains the source where the tree parameter is fetched. Default (parameter is not included) means the tree parameter is stored on the entity provisioned for a subscriber.
			associatedPartyID	String, 1 - 28 digits	Optional (0-1)	The subscriber identity of the consumer or provider. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes.
			productOfferingName	String , 1 - 128 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash)	Optional (0-n)	Contains the identity of a product offering.



Table 36 Set Refill Parameters (Part III)

Parameter	Type	Occurrence	Description
accountAfterRefill	Sub-MO	Optional (0-1)	Contain financial and lifecycle data that affected during a refill.
serviceClassTemporaryExpiryDate	DateTime .iso8601: YYYY-MM-DDT hh:mm:ss sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm m For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The expiry date of a temporary service class of an account. A temporary service class has precedence before the normally assigned service class, as long as the temporary service class date expiry date is not passed.
serviceClassOriginal	Integer, 0 - 9999	Optional (0-1)	The identity of the original service class when a temporary service class is active for an account. In case serviceClassOriginal is returned then the serviceClassCurrent will contain the temporary service class currently active for the account. When a temporary service class is active and a Return Service Class ID is specified, the serviceClassOriginal parameter will contain the identity of the return service class instead of the original service class. The account will then return to the specified Return Service Class ID when the temporary service class expires.
serviceClassCurrent	Integer, 0 - 9999	Optional (0-1)	The service class currently used by the subscriber.
accountFlags	Sub-MO	Optional (0-1)	The life cycle state flags of the account, indicating the actual status of the account.
activationStatusFlag	Boolean { 0,1 } 0 (false) = Default value. Account is not activated 1 (true) = Account is activated	Optional (0-1)	Indicate whether an account is activated or not.



Parameter	Type	Occurrence	Description
negativeBarringStatusFlag	Boolean { 0,1 } 0 (false) = Default value. Account is not barred due to negative balance. 1 (true) = Account is barred due to negative balance.	Optional (0-1)	Indicate whether an account is barred due to negative balance or not.
supervisionPeriodWarningActiveFlag	Boolean { 0,1 } 0 (false) = Default value. Supervision period date expiration warning not active. 1 (true) = Supervision period date expiration warning active.	Optional (0-1)	Indicate whether the supervision period date expiration warning is active or not.
serviceFeePeriodWarningActiveFlag	Boolean { 0,1 } 0 (false) = Default value. Service fee period date expiration warning not active. 1 (true) = Service fee period date expiration warning active	Optional (0-1)	Indicate whether the service fee period date expiration warning is active or not.



Parameter	Type	Occurrence	Description
supervisionPeriodExpiryFlag	Boolean { 0,1 } 0 (false) = Default value. Supervision period date has not expired. 1 (true) = Supervision period date has expired.	Optional (0-1)	Indicate whether the supervision period date has expired or not.
serviceFeePeriodExpiryFlag	Boolean { 0,1 } 0 (false) = Default value. Service fee period date has not expired. 1 (true) = Service fee period date has expired.	Optional (0-1)	Indicate whether the service fee period date has expired or not.
promotionPlanID	String, 1 - 4 characters	Optional (0-1)	The identity of one of the current promotion plans of a subscriber.
serviceFeeExpiryDate	DateTime .iso8601: YYYY-MM-DDThh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -]hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	Expiry date of the service fee period.



Parameter	Type	Occurrence	Description
supervisionExpiryDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:ss sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	Expiry date of the supervision period.
creditClearanceDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:ss sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	Date when the credit clearance period will expire.
serviceRemovalDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:ss sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	Date when the account will be removed after the service removal period has expired.
accountValue1	String, -999 999 999 999 to 999 999 999 999 price	Optional (0-1)	The account value for the master account of subscriber. This is not taking in consideration any ongoing chargeable events. It indicates an account value in the first currency.
accountValue2	String, -999 999 999 999 to 999 999 999 999 price	Optional (0-1)	The account value for the master account of subscriber. This is not taking in consideration any ongoing chargeable events. It indicates an account value in the second currency.



Parameter	Type	Occurrence	Description
dedicatedAccountInformation	Sub-MO	Optional (0-n)	Balances and dates for dedicated accounts.
dedicatedAccountID	Integer, 1 - 2147483647	Mandatory	The identity of the dedicated account in order to be able to distinguish between the various dedicated accounts in an array of dedicated accounts.
dedicatedAccountValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>It indicates that the balance is in the first currency.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p>
dedicatedAccountValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>It indicates that the balance is in the second currency.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p>
expiryDate	<p>DateTime .iso8601: YYYY-MM-DDT hh:mm:ss sTZ</p> <p>TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00</p>	Optional (0-1)	<p>The expiry date for a dedicated account.</p> <p>Element Value Range: DateMin to DateMax or DateInfinite</p>



Parameter	Type	Occurrence	Description
startDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used. Element Value Range: DateMin to DateMax or DateBeginningOfTime
pamServiceID	Integer, 0 - 99	Optional (0-1)	The id of the periodic account management service.
offerID	Integer, 1 - 2147483647	Optional (0-1)	The identity of an offer.
productID	Integer, 0 - 2147483647	Optional (0-1)	The identity of a product. Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.
closestExpiryDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The date when the next sub dedicated account(s) will expire, this include both active and inactive sub dedicated accounts. DateToday to DateMax
closestExpiryValue1	String, -9223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest expiry date, this include both active and in active sub dedicated accounts. It indicates the balance of the first currency. If the unit type is other than money the closestExpiryValue1 contains the amount of the valid units and closestExpiryValue2 is omitted.
closestExpiryValue2	String, -9223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest expiry date, this include both active and in active sub dedicated accounts. It indicates the balance of the second currency. If the unit type is other than money the closestExpiryValue1 contains the amount of the valid units and closestExpiryValue2 is omitted.



Parameter	Type	Occurrence	Description
closestAccessibleDate	DateTime .iso8601: YYYY-MM-DDT hh:mm:ss sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm m For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date when the next sub dedicated account(s) will be accessible. This parameter is only valid for composite dedicated accounts. DateToday to DateMax
closestAccessibleValue1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest start date. This parameter is only valid for composite dedicated accounts. It indicates the balance in the first currency. If the unit type is other than money the closestAccessibleValue1 contains the sum of the valid units and closestAccessibleValue2 is omitted.
closestAccessibleValue2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest start date. This parameter is only valid for composite dedicated accounts. It indicates the balance in the second currency. If the unit type is other than money the closestAccessibleValue1 contains the sum of the valid units and closestAccessibleValue2 is omitted.
subDedicatedAccountInformation	Sub-MO	Optional (0-n)	Balances and dates for sub dedicated accounts.
dedicatedAccountValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events. It indicates that the balance is in the first currency. If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted. When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.



Parameter	Type	Occurrence	Description
dedicatedAccountValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>It indicates that the balance is in the second currency.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p>
startDate	DateTime .iso8601: YYYY-MM-DDT hh:mm:ss sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	<p>The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used.</p> <p>Element Value Range: DateMin to DateMax or DateBeginningOfTime</p>
expiryDate	DateTime .iso8601: YYYY-MM-DDT hh:mm:ss sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	<p>The expiry date for a dedicated account.</p> <p>Element Value Range: DateMin to DateMax or DateInfinite</p>



Parameter	Type	Occurrence	Description
dedicatedAccountActiveValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>This parameter contains a dedicated account balance that can be consumed right now. This is not taking in consideration any ongoing chargeable events. The active value is only valid for composite dedicated account as they can have resources that becomes accessible later.</p> <p>It indicates that the balance is in the first currency.</p> <p>If the unit type is other than money the dedicatedAccountActiveValue1 contains the sum of the valid units and dedicatedAccountActiveValue2 is omitted.</p>
dedicatedAccountActiveValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>This parameter contains a dedicated account balance that can be consumed right now. This is not taking in consideration any ongoing chargeable events. The active value is only valid for composite dedicated account as they can have resources that becomes accessible later.</p> <p>It indicates that the balance is in the second currency.</p> <p>If the unit type is other than money the dedicatedAccountActiveValue1 contains the sum of the valid units and dedicatedAccountActiveValue2 is omitted.</p>
dedicatedAccountUnitType	Integer, 0 - 6 0 = The account contains time. 1 = The account contains money. 2 - 4 = The account contains total octets (Not used, reserved for future use). 5 = The account contains service specific units. 6 = The account contains volume.	Optional (0-1)	The unit of the dedicated account values and is mandatory if the function "multi unit" is active, in other case it is optional.
compositeDedicatedAccountFlag	Boolean { 1 }	Optional (0-1)	This flag indicates that a dedicated account is a composite dedicated account. It is used to identify a composite dedicated account that does not have any sub dedicated accounts.
usageAccumulatorInformation	Sub-MO	Optional (0-n)	Information of usage accumulator.
accumulatorID	Integer, 1 - 2147483 647	Optional (0-1)	The identity of accumulator.



Parameter	Type	Occurrence	Description
accumulatorValue	Integer, -2147483648 to 2147483647	Optional (0-1)	The value of accumulator.
serviceOfferings	Sub-MO	Optional (0-n)	The values of the service offerings defined on an account. It has to be matched to the definitions of the tariff tree.
serviceOfferingID	Integer, 1 - 31	Mandatory	The identity of a current service offering defined on an account.
serviceOfferingActiveFlag	Boolean { 0, 1 } 0 (false) = The service offering is not active. 1 (true) = The service offering is active.	Mandatory	Whether a specific service offering pointed out by the serviceOfferingID parameter is active or not.
communityID	Integer, 1-9 999 999	Mandatory (1-n)	The identity of the community the subscriber belong to.
offerInformation	Sub-MO	Optional (0-n)	Dates (or dates and time) for offers.
offerID	Integer, 0 - 2147483647	Mandatory	The identity of an offer.
startDate	DateTime .iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm m For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used. Value Range: DateMin to DateMax or DateBeginningOfTime



Parameter	Type	Occurrence	Description
expiryDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The expiry date for a dedicated account, Value Range: DateMin to DateMax or DateInfinite
startDateTime	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The start date and time for an offer. Value Range: DateMin to DateMax or DateBeginningOfTime
expiryDateTime	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The expiry date and time. Value Range: DateMin to DateMax or DateInfinite
pamServiceID	Integer, 0 - 99	Optional (0-1)	The id of the periodic account management service.
offerType	Integer, 0 - 7	Optional (0-1)	The identifies the offer type.



Parameter	Type	Occurrence	Description
offerState	Integer, 0 - 99 0 = Enabled offer state 1 = Disabled offer state 2-99 = Reserved for future use	Optional (0-1)	Specifies the actual offer state to return in a GetOfferrequest.
offerProviderID	String, 1 - 28 digits	Optional (0-1)	The subscriber number as represented in the SDP database for the provider.
productID	Integer, 0 - 2147483647	Optional (0-1)	The identity of a product. Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.
usageCounterUsageThresholdInformation	Sub-MO	Optional (0-n)	All active usage counters with their thresholds for a subscriber.
usageCounterID	Integer, 1 - 2147483647	Mandatory	The id of a usage counter.
usageCounterValue	String, 0 - 9 223 372 036 854 775 807 digits	Optional (0-1)	The value of a non-monetary usage counter.
usageCounterNominalValue	String, 0 - 9 223 372 036 854 775 807 digits	Optional (0-1)	The value of a non-monetary usage counter, without any factor.
usageCounterMonetaryValue1	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage counter. It indicates a usage counter amount in the first currency.
usageCounterMonetaryNominalValue1	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage counter, without any factor. It indicates a usage counter amount in the first currency.
usageCounterMonetaryValue2	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage counter. It indicates a usage counter amount in the second currency.
usageCounterMonetaryNominalValue2	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage counter, without any factor. It indicates a usage counter amount in the second currency.



Parameter			Type	Occurrence	Description
		usageThresholdInformation	Sub-MO	Optional (0-n)	All information about a usage threshold. Depending on the usage counted the threshold value is represented either in the usageThresholdValue parameter or the usageThresholdMonetaryValue1 or usageThresholdMonetaryValue2 parameter. The usageThresholdSource parameter can not be updated but is included in responses.
		usageThresholdID	Integer, 1 - 2147483647	Optional (0-1)	The ID of a usage threshold.
		usageThresholdValue	String, 0 - 9 223 372 036 854 775 807 digits	Optional (0-1)	The value of a non-monetary usage threshold.
		usageThresholdMonetaryValue1	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage threshold. It indicates a usage threshold amount in the first currency.
		usageThresholdMonetaryValue2	String, 0 - 999 999 999 999 price	Optional (0-1)	The value of a monetary usage threshold. It indicates a usage threshold amount in the second currency.
		usageThresholdSource	Integer, 1 - 3 1 = Personal - The threshold has been changed to a value other than the usage counter definition and is fetched from the subscriber. 2 = Common - The threshold has been changed to an individual value for a provider shared by all consumers. 3 = Default - The threshold value fetched from the usage counter definition.	Optional (0-1)	The source of a usage threshold.
		associatedPartyID	String, 1 - 28 digits	Optional (0-1)	The subscriber identity of the consumer or provider. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes.



Parameter	Type	Occurrence	Description
associatedPartyID	String, 1 - 28 digits	Optional (0-1)	<p>The subscriber identity of the consumer or provider.</p> <p>The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes.</p>
productID	Integer, 0 - 2147483647	Optional (0-1)	<p>The identity of a product.</p> <p>Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.</p>
dedicatedAccountChangeInformation	Sub-MO	Optional (0-n)	Information of changes done to balances and dates for dedicated accounts.
dedicatedAccountID	Integer, 1 - 2147483647	Mandatory	The identity of the dedicated account in order to be able to distinguish between the various dedicated accounts in an array of dedicated accounts.
productID	Integer, 0 - 2147483647	Optional (0-1)	<p>The identity of a product.</p> <p>Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.</p>
dedicatedAccountValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p> <p>It indicates the balance in the first currency.</p>
dedicatedAccountValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p> <p>It indicates the balance in the second currency.</p>



Parameter		Type	Occurrence	Description
	expiryDate	<p>DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ</p> <p>TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11-24T23:59:59+08:00</p>	Optional (0-1)	<p>The expiry date for a dedicated account.</p> <p>Element Value Range: DateMin to DateMax or DateInfinite</p>
	startDate	<p>DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ</p> <p>TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11-24T23:59:59+08:00</p>	Optional (0-1)	<p>The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used.</p> <p>Element Value Range: DateMin to DateMax or DateBeginningOfTime</p>
	pamServiceID	Integer, 0 - 99	Optional (0-1)	The id of the periodic account management service.
	offerID	Integer, 1 - 2147483647	Optional (0-1)	The identity of an offer.
	closestExpiryDate	<p>DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ</p> <p>TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11-24T23:59:59+08:00</p>	Optional (0-1)	<p>The date when the next sub dedicated account(s) will expire, this include both active and inactive sub dedicated accounts.</p> <p>DateToday to DateMax</p>



Parameter	Type	Occurrence	Description
closestExpiryValue1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The balance of the sub dedicated account(s) with the closest expiry date, this include both active and in active sub dedicated accounts.</p> <p>It indicates the balance of the first currency.</p> <p>If the unit type is other than money the closestExpiryValue1 contains the amount of the valid units and closestExpiryValue2 is omitted.</p>
closestExpiryValue2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The balance of the sub dedicated account(s) with the closest expiry date, this include both active and in active sub dedicated accounts.</p> <p>It indicates the balance of the second currency.</p> <p>If the unit type is other than money the closestExpiryValue1 contains the amount of the valid units and closestExpiryValue2 is omitted.</p>
closestAccessibleDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	<p>The date when the next sub dedicated account(s) will be accessible. This parameter is only valid for composite dedicated accounts.</p> <p>DateToday to DateMax</p>
closestAccessibleValue1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The balance of the sub dedicated account(s) with the closest start date. This parameter is only valid for composite dedicated accounts.</p> <p>It indicates the balance in the first currency.</p> <p>If the unit type is other than money the closestAccessibleValue1 contains the sum of the valid units and closestAccessibleValue2 is omitted.</p>
closestAccessibleValue2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The balance of the sub dedicated account(s) with the closest start date. This parameter is only valid for composite dedicated accounts.</p> <p>It indicates the balance in the second currency.</p> <p>If the unit type is other than money the closestAccessibleValue1 contains the sum of the valid units and closestAccessibleValue2 is omitted.</p>
dedicatedAccountActiveValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>This parameter contains a dedicated account balance that can be consumed right now. This is not taking in consideration any ongoing chargeable events. The active value is only valid for composite dedicated account as they can have resources that becomes accessible later.</p> <p>It indicates that the balance is in the first currency.</p> <p>If the unit type is other than money the dedicatedAccountActiveValue1 contains the sum of the valid units and dedicatedAccountActiveValue2 is omitted.</p>



Parameter	Type	Occurrence	Description
dedicatedAccountActiveValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>This parameter contains a dedicated account balance that can be consumed right now. This is not taking in consideration any ongoing chargeable events. The active value is only valid for composite dedicated account as they can have resources that becomes accessible later.</p> <p>It indicates that the balance is in the second currency.</p> <p>If the unit type is other than money the dedicatedAccountActiveValue1 contains the sum of the valid units and dedicatedAccountActiveValue2 is omitted.</p>
subDedicatedAccountChangeInformation	Sub-MO	Optional (0-n)	Information about the changes made to a sub dedicated account.
changedAmount1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The parameter defines changed values on a main or dedicated account.</p> <p>It indicates a changed amount in the first currency.</p> <p>If the unit type is other than money the changedAmount1 contains the amount of the valid units and changedAmount2 is omitted.</p>
changedAmount2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The parameter defines changed values on a main or dedicated account.</p> <p>It indicates a changed amount in the second currency.</p> <p>If the unit type is other than money the changedAmount1 contains the amount of the valid units and changedAmount2 is omitted.</p>
dedicatedAccountValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p> <p>It indicates the balance in the first currency.</p>



Parameter	Type	Occurrence	Description
dedicatedAccountValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p> <p>It indicates the balance in the second currency.</p>
changedExpiryDate	Integer, -65535 to 65535	Optional (0-1)	The number of days the expiry date for a dedicated account has been changed as a result of the operation. The value is given in number of days.
newExpiryDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:ss sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The new expiry date for a dedicated account.
clearedExpiryDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:ss sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	<p>The previous expiry date for a cleared dedicated account.</p> <p>DateMin to DateMax or DateInfinite</p>
changedStartDate	Integer, -65535 to 65535	Optional (0-1)	The number of days the start date for a dedicated account has been changed as a result of the operation. The value is given in number of days.



Parameter				Type	Occurrence	Description
			newStartDate	<p>DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ</p> <p>TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11- 24T23:59: 59+08:00</p>	Optional (0-1)	<p>The new start date for a dedicated account.</p> <p>DateMin to DateMax or DateBeginningOfTime</p>
			clearedStartDate	<p>DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ</p> <p>TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11- 24T23:59: 59+08:00</p>	Optional (0-1)	<p>The previous start date for a cleared dedicated account.</p> <p>DateMin to DateMax or DateBeginningOfTime</p>
			dedicatedAccountUnitType	<p>Integer, 0 - 6</p> <p>0 = The account contains time.</p> <p>1 = The account contains money.</p> <p>2 - 4 = The account contain s total octets (Not used, reserved for future use).</p> <p>5 = The account contains service specific units.</p> <p>6 = The account contains volume.</p>	Optional (0-1)	<p>The unit of the dedicated account values and is mandatory if the function "multi unit" is active, in other case it is optional.</p>



Parameter	Type	Occurrence	Description
dedicatedAccountInformation	Sub-MO	Optional (0-n)	Balances and dates for dedicated accounts.
dedicatedAccountID	Integer, 1 - 2147483647	Mandatory	The identity of the dedicated account in order to be able to distinguish between the various dedicated accounts in an array of dedicated accounts.
dedicatedAccountValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>It indicates that the balance is in the first currency.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p>
dedicatedAccountValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>It indicates that the balance is in the second currency.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p>
expiryDate	DateTime .iso8601: YYYY-MM-DDT hh:mm:ss sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	<p>The expiry date for a dedicated account.</p> <p>Element Value Range: DateMin to DateMax or DateInfinite</p>



Parameter	Type	Occurrence	Description
startDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used. Element Value Range: DateMin to DateMax or DateBeginningOfTime
pamServiceID	Integer, 0 - 99	Optional (0-1)	The id of the periodic account management service.
offerID	Integer, 1 - 2147483 647	Optional (0-1)	The identity of an offer.
productID	Integer, 0 - 2147483 647	Optional (0-1)	The identity of a product. Zero can only be received in a response where it indicates that a personal usage threshold value exists for the usage counter and there may exist zero or more additional product local usage counters which have not been used yet.
closestExpiryDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The date when the next sub dedicated account(s) will expire, this include both active and inactive sub dedicated accounts. DateToday to DateMax
closestExpiryValue1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest expiry date, this include both active and in active sub dedicated accounts. It indicates the balance of the first currency. If the unit type is other than money the closestExpiryValue1 contains the amount of the valid units and closestExpiryValue2 is omitted.
closestExpiryValue2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest expiry date, this include both active and in active sub dedicated accounts. It indicates the balance of the second currency. If the unit type is other than money the closestExpiryValue1 contains the amount of the valid units and closestExpiryValue2 is omitted.



Parameter	Type	Occurrence	Description
closestAccessibleDate	DateTime .iso8601: YYYY-MM-DDT hh:mm:ss sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date when the next sub dedicated account(s) will be accessible. This parameter is only valid for composite dedicated accounts. DateToday to DateMax
closestAccessibleValue1	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest start date. This parameter is only valid for composite dedicated accounts. It indicates the balance in the first currency. If the unit type is other than money the closestAccessibleValue1 contains the sum of the valid units and closestAccessibleValue2 is omitted.
closestAccessibleValue2	String, -9 223 372 036 854 775 807 to 9 223 372 036 854 775 807 unit	Optional (0-1)	The balance of the sub dedicated account(s) with the closest start date. This parameter is only valid for composite dedicated accounts. It indicates the balance in the second currency. If the unit type is other than money the closestAccessibleValue1 contains the sum of the valid units and closestAccessibleValue2 is omitted.
subDedicatedAccountInformation	Sub-MO	Optional (0-n)	Balances and dates for sub dedicated accounts.
dedicatedAccountValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events. It indicates that the balance is in the first currency. If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted. When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.



Parameter				Type	Occurrence	Description
			dedicatedAccountValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>The total balance of the dedicated account, this includes all currently active and not yet active balances of the dedicated account if applicable. This is not taking in consideration any ongoing chargeable events.</p> <p>It indicates that the balance is in the second currency.</p> <p>If the unit type is not money the dedicatedAccountValue1 contains the sum of the valid units and dedicatedAccountValue2 is omitted.</p> <p>When dedicatedAccountUnitType is Money, the parameter can contain both an integer part and a decimal part. There is no decimal separator, the decimal part is given directly to the right of the integer part. The number of digits in the decimal part is configured in the currency configuration. The integer part range is: 0-9223372036854. The decimal part can consist of 0 to 6 digits, that is maximum value is 999999. If the maximum value of the integer part is reached the maximum decimal part is 775807.</p>
			startDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	<p>The date when a dedicated account, FaF entry or offer will be considered as active. The parameter may also be used to define start date for other entities depending on the context where it is used.</p> <p>Element Value Range: DateMin to DateMax or DateBeginningOfTime</p>
			expiryDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	<p>The expiry date for a dedicated account.</p> <p>Element Value Range: DateMin to DateMax or DateInfinite</p>



Parameter	Type	Occurrence	Description
dedicatedAccountActiveValue1	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>This parameter contains a dedicated account balance that can be consumed right now. This is not taking in consideration any ongoing chargeable events. The active value is only valid for composite dedicated account as they can have resources that becomes accessible later.</p> <p>It indicates that the balance is in the first currency.</p> <p>If the unit type is other than money the dedicatedAccountActiveValue1 contains the sum of the valid units and dedicatedAccountActiveValue2 is omitted.</p>
dedicatedAccountActiveValue2	String, 0 - 9 223 372 036 854 775 807 unit	Optional (0-1)	<p>This parameter contains a dedicated account balance that can be consumed right now. This is not taking in consideration any ongoing chargeable events. The active value is only valid for composite dedicated account as they can have resources that becomes accessible later.</p> <p>It indicates that the balance is in the second currency.</p> <p>If the unit type is other than money the dedicatedAccountActiveValue1 contains the sum of the valid units and dedicatedAccountActiveValue2 is omitted.</p>
dedicatedAccountUnitType	Integer, 0 - 6 0 = The account contains time. 1 = The account contains money. 2 - 4 = The account contains total octets (Not used, reserved for future use). 5 = The account contains service specific units. 6 = The account contains volume.	Optional (0-1)	The unit of the dedicated account values and is mandatory if the function "multi unit" is active, in other case it is optional.
compositeDedicatedAccountFlag	Boolean { 1 }	Optional (0-1)	This flag indicates that a dedicated account is a composite dedicated account. It is used to identify a composite dedicated account that does not have any sub dedicated accounts.



Parameter		Type	Occurrence	Description
	attributeInformation	Sub-MO	Optional (0-n)	Contains information about attributes. It will be returned as response to GetAccountDetails, GetBalanceAndDate, GetOffers and Refill if requested with requestAttributesFlag and if any attributes exist that have a value. attributeInformation will also be included as response to DeleteOffer and DeleteSubscriber if any attributes is removed. For UpdateOffer response, attributeInformation will include all attributes that have values.
	attributeName	String, 1 - 128 characters	Mandatory	The name of the attribute.
	attributeValueString	String, 1 - 128 extended characters Extended characters which allows all US-ASCII values from 32 to 126 (hex adecimal 0x20 to 0x7e).	Optional (0-1)	The string value of an attribute.
	attributeValueDate	DateTime .iso8601: YYYY-MM DDT hh:mm:ss TZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:m m For example, 2005-11- 24T23:59: 59+08:00	Optional (0-1)	The date value of an attribute. DateMin to DateMax or DateInfinite
	attributeValueDecimal	Sub-MO	Optional (0-1)	Information about a decimal value.
	attributeValueNumber	String, -999 999 999 999 999 to 999 999 999 999 999 SignedNu meric	Mandatory	The parameter contains up to 15 significant digits that together with the numberOfDecimals parameter forms a decimal number. There is no decimal sign included in this parameter.
	numberOfDecimals	Integer, 0 - 15	Mandatory	The parameter forms together with attributeValue Number a decimal number. The parameter contains information about where to put the decimal sign counted in positions from the right.



Parameter			Type	Occurrence	Description
		attributeValueInteger	Integer, -2147483648 to 2147483647	Optional (0-1)	Contains the integer value of an attribute.
		attributeSource	Integer, 1 - 255 1 = Default value from definition 2 - 255 = Reserved for future use	Optional (0-1)	Contain the source from where the attribute is fetched. Default (parameter is not included) means the attribute is stored on the entity provisioned for a subscriber.
		treeParameterSetInformation	Sub-MO	Optional (0-n)	Contains information about treeParameterSets divided per tree names It is returned as response to GetAccountDetails, GetBalanceAndDate and GetOffers if requested with requestTreeParameterSetsFlag and if any attributes exist that have a value. It is also included as response to DeleteOffer and DeleteSubscriber if any attributes is removed. For UpdateOffer response, it includes all attributes that have values.
		serviceProvider	Integer, 1 - 6 1: Rating template 2: Policy rule determination template 3: Product notification template 4: Product fee template 5: Product provision template 6: Quota determination template	Optional (0-1)	Contains the service provider which is the type of treeParameter.
		treeParameterInformation	Sub-MO	Optional (0-n)	Contains information about a treeParameter.
		treeParameterName	String, 1 - 128 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash).	Optional (0-1)	Contains the name of the tree parameter.



Parameter				Type	Occurrence	Description
			treeParameter rValueString	String , 1 - 128 characters Allowed characters are a-z. A-Z, 0-9, - (hyphen) and / (slash).	Optional (0-1)	Contains the string value of a tree parameter.
			treeParameter rValueDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:s sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For exam ple, 2005- 11- 24T23 :59:59+08 :00	Optional (0-1)	Contains the date value of a tree parameter.
			treeParameter rValueDecima l	Sub-MO	Optional (0-n)	Contains information about a decimal value. It is enclosed in a <struct> of its own. The structure contains one parameter treeParameterValueNumber containing the significant digits and a numberOfDecimals part telling how many decimals are used.
			treeParamet erValueNum ber	String, -999 999 999 999 999 to 999 999 999 999 999 SignedNu meric	Mandatory	The parameter contains up to 15 significant digits that together with the numberOfDecimals parameter forms a decimal number. There is no decimal sign included in this parameter.
			numberOfD ecimals	Integer, 0 - 15	Mandatory	The parameter contains information about where to put the decimal sign counted in positions from the right.
			treeParameter rValueInteger	String, -922337 20368547 75807 to 92233720 36854775 807 Signe dNumeric	Optional (0-1)	Contains the integer value of a tree parameter
			treeParameter rValueSchedu le		Optional (0-1)	Contains values for a schedule event.



Parameter				Type	Occurrence	Description
			scheduledFrequency	Integer, 1 - 7	Mandatory	Contains the frequency of the schedule (monthly, weekly, daily etc). 1: Yearly 2: Monthly 3: Weekly 4: Daily 5: Hourly 6: Minutely 7: Secondly
			scheduledInterval	Integer, 1 - 99999	Optional (0-1)	Contains the interval of the schedule (For example every week, every second, every month, etc.).
			scheduledMonth	Integer, 1 - 12	Optional (0-n)	Contains the number of month for the schedule.
			scheduledDayOfMonth	Integer, -1 - 31	Optional (0-n)	Contains the number of the days of month for the schedule. Value -1 means last day of month.
			scheduledDayOfWeek	Integer, 1 - 7	Optional (0-n)	Contains the week day for the schedule. 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday
			scheduledHour	Integer, 0 - 23	Optional (0-1)	Contains the time (hour) for the schedule.
			scheduledMinute	Integer, 0 - 59	Optional (0-1)	Contains the time (minute) for the schedule.
			scheduledSecond	Integer, 0 - 59	Optional (0-1)	Contains the time (second) for the schedule.
			treeParameterValueDayOfWeek	Integer, 0 - 7	Optional (0-1)	Contains the value of day of week of a tree parameter. 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday
			treeParameterValueDateRange	Sub-MO	Optional (0-1)	The struct is used to define the range of dates valid for a tree parameter. It contains two dates in a sequence to specify the range needed for tree parameter.



Parameter				Type	Occurrence	Description
			treeParameterStartDate	DateTime .iso8601: YYYY-MM-DDT hh:mm:ss sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Mandatory	Contains the initial date of range applied for a tree parameter.
			treeParameterEndDate	DateTime .iso8601: YYYY-MM-DDT hh:mm:ss sTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Mandatory	Contains the final date of range applied for a tree parameter.
			treeParameterValueTime	String , 1 - 8 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash)	Optional (0-1)	Contains the value of time applied for a tree parameter.
			treeParameterSource	Integer, 1 - 2 1: Tree parameter value fetched from the offer definition 2: Tree parameter fetched from the template tree definition	Optional (0-1)	Contains the source where the tree parameter is fetched. Default (parameter is not included) means the tree parameter is stored on the entity provisioned for a subscriber.



Parameter	Type	Occurrence	Description
associatedPartyID	String, 1 - 28 digits	Optional (0-1)	The subscriber identity of the consumer or provider. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes.
productOfferingName	String, 1 - 128 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash)	Optional (0-n)	Contains the identity of a product offering.
refillFraudCount	Integer, 0 - 255	Optional (0-1)	Contain the number of fraudulent refill attempts left, before the account becomes barred from refill.
selectedOption	Integer, 1 - 999	Optional (0-1)	The value of the selected option. The values are configurable by the operator. The value is primarily used for Option Refill.
segmentationID	String, 1 - 4 characters	Optional (0-1)	The value that was used for the branching in the refill trees.
refillType	Integer, 1-999 1 = Value Refill 2 = Account Refill 3 = Premium Refill 4-99 = Reserved for future use 100-999 = Operator defined	Optional (0-1)	The refillType parameter specifies the kind of refill, it is part of both the refill request and refill response.
accountPrepaidEmptyLimit1	String, -999 999 999 999 to 999 999 999 999	Optional (0-1)	The lowest allowed balance on an account. It indicates an account balance in the first currency
accountPrepaidEmptyLimit2	String, -999 999 999 999 to 999 999 999 999	Optional (0-1)	The lowest allowed balance on an account. It indicates an account balance in the second currency
treeDefinedField	Sub-MO	Optional (0-1)	Information about the Tree Defined Field values.
treeDefinedFieldName	String, 1-200 characters	Mandatory	The name of the TDF.



Parameter	Type	Occurrence	Description
treeDefinedFieldType	String Enumeration value="Boolean" Enumeration value="String" Enumeration value="Long" Enumeration value="Amount"	Mandatory	The defined type of the TDF.
treeDefinedFieldValue	String, depends on treeDefinedFieldType If treeDefinedFieldType is Boolean, then the value is "true" or "false" If treeDefinedFieldType is String, then the value is all allowed characters . If treeDefinedFieldType is Long, then the value is 1 - 9 digits. If treeDefinedFieldType is Amount, then the value is the Decimal value and currency code to hold a monetary amount.	Mandatory	The defined value of the TDF.



Parameter	Type	Occurrence	Description
negotiatedCapabilities	Integer, 0 - 2147483647	Optional (0-n)	Indicate the negotiated capabilities between the client and server node. The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active.
availableServerCapabilities	Integer, 0 - 2147483647	Optional (0-n)	Indicate the available capabilities at the server node. The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active. If only one element is present and is set to 0, no functions after release AIR-IP 5.0 are active, only legacy functionality can be used.

9.3 Examples

9.3.1 Example of Refilling with Voucher

This section gives an example of the `setRefill` request and response message. This example shows how to refill with voucher.

Request Example

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SessionId>e64d81502bc741bf9b2d9b8babec3ce2</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Set>
      <cai3:MOType>Refill@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000005</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:setRefill subscriberNumber="465273152000005">
          <air:originNodeType>ADM</air:originNodeType>
          <air:voucherActivationCode>11111111</air:voucherActivationCode>
        </air:setRefill>
      </cai3:MOAttributes>
    </cai3:Set>
  </soapenv:Body>
</soapenv:Envelope>
```

Example 80 Set Refill Request Message

Response Example



```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3g="http://schemas.ericsson.com/cai3g1.2/">
  <S:Header>
    <cai3g:SessionId>e64d81502bc741bf9b2d9b8babec3ce2</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <SetResponse xmlns="http://schemas.ericsson.com/cai3g1.2/">
      <MOAttributes>
        <air:setRefillResponse xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
          <air:subscriberNumber>465273152000005</air:subscriberNumber>
          <air:originTransactionID>43061763180304238</air:originTransactionID>
          <air:masterAccountNumber>465273152000005</air:masterAccountNumber>
          <air:languageIDCurrent>1</air:languageIDCurrent>
          <air:voucherAgent>1</air:voucherAgent>
          <air:voucherSerialNumber>11111111</air:voucherSerialNumber>
          <air:voucherGroup>1</air:voucherGroup>
          <air:currencyl>SEK</air:currencyl>
          <air:segmentationID>01</air:segmentationID>
          <air:refillType>0</air:refillType>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
          <air:availableServerCapabilities>805646916</air:availableServerCapabilities>
        </air:setRefillResponse>
      </MOAttributes>
    </SetResponse>
  </S:Body>
</S:Envelope>

```

Example 81 Set Refill Response Message

9.3.2 Example of Refilling without Voucher

This section gives an example of the `setRefill` request and response message. This example shows how to refill without voucher.

Request Example

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SessionId>07581bf0857345109d3b24e6d2928258</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Set>
      <cai3:MOType>Refill@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000005</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:setRefill subscriberNumber="465273152000005">
          <air:originNodeType>ADM</air:originNodeType>
          <air:transactionAmount>13</air:transactionAmount>
          <air:transactionCurrency>SEK</air:transactionCurrency>
          <air:refillProfileID>1</air:refillProfileID>
        </air:setRefill>
      </cai3:MOAttributes>
    </cai3:Set>
  </soapenv:Body>
</soapenv:Envelope>

```

Example 82 Set Refill Request Message

Response Example



```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3g="http://schemas.ericsson.com/cai3g1.2/">
  <S:Header>
    <cai3g:SessionId>07581bf0857345109d3b24e6d2928258</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <SetResponse xmlns="http://schemas.ericsson.com/cai3g1.2/">
      <MOAttributes>
        <air:setRefillResponse xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
          <air:subscriberNumber>465273152000005</air:subscriberNumber>
          <air:originTransactionID>43061763180304238</air:originTransactionID>
          <air:masterAccountNumber>465273152000005</air:masterAccountNumber>
          <air:languageIDCurrent>1</air:languageIDCurrent>
          <air:transactionCurrency>SEK</air:transactionCurrency>
          <air:transactionAmount>13</air:transactionAmount>
          <air:currency1>SEK</air:currency1>
          <air:segmentationID>MA</air:segmentationID>
          <air:refillType>0</air:refillType>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
          <air:availableServerCapabilities>805646916</air:availableServerCapabilities>
        </air:setRefillResponse>
      </MOAttributes>
    </SetResponse>
  </S:Body>
</S:Envelope>

```

Example 83 *Set Refill Response Message*





10 Set AIR Communication ID

This section covers the AIR subscriber command `setCommunicationID`.

MOType

`CommunicationID@http://schemas.ericsson.com/ma/CS/AIR/`

10.1 Request Data

10.1.1 Parameters

MOId

Table 37 Set Communication ID Parameters

Parameter	Type	Occurrence	Description
subscriberNumber	String, 1 - 28 digits	Mandatory	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by subscriberNumberNAI parameter.

MOAttributes

Table 38 covers the parameters that can be used in a `setCommunicationID` request.



Table 38 Set Communication ID Parameters

Parameter	Type	Occurrence	Description
originNodeType	String Enumeration value="EXT" Enumeration value="AIR" Enumeration value="ADM" Enumeration value="UGW" Enumeration value="IVR" Enumeration value="OGW" Enumeration value="SDP"	Mandatory	<p>The parameter contains the origin node type that is set by AIR or provided by an external network element. It contains the type of the logical node from where the operation originated. External network elements are not allowed to use the reserved names on network element types, (except EXT).</p> <p>Network Element Type:</p> <p>EXT:External system</p> <p>AIR:Account information and refill</p> <p>ADM:Administrative system</p> <p>UGW: USSD gateway</p> <p>IVR :Interactive voice response system</p> <p>OGW: On-line gateway</p> <p>SDP: Service data point</p> <p>If this parameter is absent from the request, Dynamic Activation will generate "ADM" as the parameter to NEs.</p>
originHostName	String, 1 - 255 characters	Mandatory	<p>The identifier string for the host where the operation originated from. The host name shall be unique within the network for a given network element type.</p> <p>If this parameter is absent from the request, Dynamic Activation will generate a node name, which the character "-" replaced by "" as the parameter to NEs.</p>
originTransactionID	String, 0 - 9999 9999 9999 9999 9999 digits Each digit is 0-9	Mandatory	<p>The Unique identifier for the transaction, generated by the system it was initiated from.</p> <p>The value in this parameter must be unique per operation and can be a sequence number. An operation in this case is for example a refill.</p> <p>If this parameter is absent from the request, Dynamic Activation will generate System time milliseconds plus seven random digital numbers as the parameter to NEs.</p>
originTimeStamp	String: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11- 24T23:59:59+08:00	Mandatory	<p>The date and time of sending the request by the entity that initiated the operation.</p> <p>If this parameter is absent from the request, Dynamic Activation will generate PGN system time plus the default "+0100" or the configured ChargingTimeZone value in Activation Logic as the parameter to NEs. Refer to <i>User Guide for Resource Activation</i>, Reference [4] for details of Activation Logic.</p>



Parameter	Type	Occurrence	Description
originOperatorID	String, 1 - 255 characters	Optional (0-1)	<p>The identity of the system user or the session from where the operation was initiated. It might be used for security management or logging purposes for an example.</p> <p>If this parameter is absent from the request, Dynamic Activation will generate the default "operator" or the configured <code>OriginOperatorId</code> value in Activation Logic as the parameter to NEs. Refer to <i>User Guide for Resource Activation</i>, Reference [4] for details of Activation Logic configure.</p>
msisdnCurrent	String, 1 - 28 digits	Optional (0-1)	This parameter contains the existing subscriber identity of the subscriber. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes.
msisdnCurrentNAI	Integer, 0 - 7 0 = Unknown 1 = International number 2 = National significant number 3 = Network specific number 4 = Subscriber number 5 = Reserved 6 = Abbreviated Number 7 = Reserved for extension	Optional (0-1)	Nature of Address Indicator identifies the format of the <code>msisdnCurrent</code> parameter.
msisdnNew	String, 1 - 28 digits	Optional (0-1)	The MSISDN format of the <code>msisdnNew</code> parameter
msisdnNewNAI	Integer, 0 - 7 0 = Unknown 1 = International number 2 = National significant number 3 = Network specific number 4 = Subscriber number 5 = Reserved 6 = Abbreviated Number 7 = Reserved for extension	Optional (0-1)	Nature of Address Indicator identifies the format of the <code>msisdnNew</code> parameter.
imsiCurrent	String, 1 - 15 digits	Optional (0-1)	The subscriber's existing IMSI.
imsiNew	String, 1 - 15 digits	Optional (0-1)	The subscriber's new IMSI.
naiCurrent	String, 1-128 characters	Optional (0-1)	The subscriber's existing Network Access Identifier (NAI).



Parameter	Type	Occurrence	Description
naiNew	String, 1-128 characters	Optional (0-1)	The subscriber's new Network Access Identifier (NAI).
sipUriCurrent	String, 1-128 characters	Optional (0-1)	The subscriber's existing SIP-URI.
sipUriNew	String, 1-128 characters	Optional (0-1)	The subscriber's new SIP-URI.
privateCurrent	String, 1-128 characters	Optional (0-1)	The subscriber's existing address in Private format.
privateNew	String, 1-128 characters	Optional (0-1)	The subscriber's new address in Private format.
chargingInformation	Sub-MO	Mandatory	Information for an charged Online Communication ID Change.
chargingIndicator	Integer, 0 - 65535	Optional (0-1)	An indicator for rating differentiation.
specifiedPrice	String, 0 - 999 999 999 999	Optional (0-1)	The price that shall be used to charge for the operation, instead of using the rating function normally used.
transactionCurrency	String, Currency	Optional (0-1)	The ID to point out what currency is used for the transaction. For example, SEK, EUR, USD, etc.
suppressDeduction	Boolean {0, 1} 0 (false) = Default value. Not suppressed deduction 1 (true) = Suppressed deduction	Optional (0-1)	Indicates if the calculated cost is to be withdrawn from the account or not.
externalContract	Boolean {0, 1} 0 (false) = Not an external contract, that is, the account resides in Charging Compound. 1 (true) = An external contract, the account resides outside Charging Compound.	Optional (0-1)	Indicate if the account resides in Charging Compound or in an external system in a convergent solution.
negotiatedCapabilities	Integer, 0 - 2147483647	Optional (0-n)	Indicate the negotiated capabilities between the client and server node. The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active.

10.2 Response Data

10.2.1 Parameters

MOAttributes



Table 39 covers the parameters that can be used in a `setCommunicationID` response.

Table 39 Set Communication ID Parameters

Parameter	Type	Occurrence	Description
originTransactionID	String, 0 - 9999 9999 9999 9999 digits	Mandatory	Reference to a single operation, generated by the system it was initiated from. The value in this parameter must be unique per operation and can be a sequence number. For example, an operation in this case is a refill.
cleanupDate	DateTime.iso 8601	Optional (0-1)	Information of how long an old Identifier is kept in parallel during an Online Communication ID change. DateToday to DateMax
originOperatorID	String, 1 - 255 characters	Optional (0-1)	The identity of the system user or the session from where the operation was initiated. It might be used for security management or logging purposes for an example.
deductionSuppressed	Boolean {0, 1} 0 (false) = Default value. Not suppressed deduction 1 (true) = Suppressed deduction	Optional (0-1)	Indicates if the calculated cost has not been withdrawn from the account or not.
chargingResultInformation	Sub-MO	Optional (0-1)	Information for a charged end user communication event.
cost1	String, -999 999 999 999 to 999 999 999 999 price	Optional (0-1)	The cost for an event. It indicates a cost in the first currency.
currency1	String, currency	Optional (0-1)	The first currency to be presented to the end user. For example, SEK, EUR, USD, etc.
cost2	String, -999 999 999 999 to 999 999 999 999 price	Optional (0-1)	The cost for an event. It indicates a cost in the second currency.
currency2	String, currency	Optional (0-1)	The second currency to be presented to the end user. For example, SEK, EUR, USD, etc.
chargingResultCode	Integer, 0 - 2 0 = or not present Successful 1 = No charge (free counter stepped) 2 = No charge (free counter not stepped)	Optional (0-1)	Information related to a charged event.
reservationCorrelationID	Integer, 0 - 2147483647	Optional (0-1)	The id needed to correlate a reservation.



Table 39 Set Communication ID Parameters

Parameter	Type	Occurrence	Description
negotiatedCapabilities	Interger: array of <int> or <i4> 0 - 2147483647	Optional (0-n)	Indicates the negotiated capabilities between the client and server node. The capabilities are presented as a series of elements, where each element contains an integer value between 0 and 2147483647. The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active.
availableServerCapabilities	Integer, 0 - 2147483647	Optional (0-n)	Indicate the available capabilities at the server node. The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active. If only one element is present and is set to 0, no functions after release AIR-IP 5.0 are active, only legacy functionality can be used.

10.3 Examples

This section gives an example of the `setCommunicationID` request and response message. This example shows how to set the communication ID .

Request Example

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SessionId>12b27d765da5490b87a864dbb9a5a7fd</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Set>
      <cai3:MOType>CommunicationID@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000010</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:setCommunicationID subscriberNumber="465273152000010">
          <air:imsiCurrent>46001111222</air:imsiCurrent>
          <air:imsiNew>46001111223</air:imsiNew>
          <air:externalContract>1</air:externalContract>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
        </air:setCommunicationID>
      </cai3:MOAttributes>
    </cai3:Set>
  </soapenv:Body>
</soapenv:Envelope>
```

Example 84 Set Communication ID Request Message

Response Example



```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3g="http://schemas.ericsson.com/cai3g1.2/">
  <S:Header>
    <cai3g:SessionId>12b27d765da5490b87a864dbb9a5a7fd</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <SetResponse xmlns="http://schemas.ericsson.com/cai3g1.2/">
      <MOAttributes>
        <air:setCommunicationIDResponse xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
          <air:originTransactionID>1442804667204430352</air:originTransactionID>
          <air:cleanupDate>2015-12-20T12:00:00+00:00</air:cleanupDate>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
          <air:availableServerCapabilities>805646852</air:availableServerCapabilities>
        </air:setCommunicationIDResponse>
      </MOAttributes>
    </SetResponse>
  </S:Body>
</S:Envelope>
```

Example 85 *Set Communication ID Response Message*



11 Get Accumulators

This section covers the AIR command `getAccumulators`.

MOType

`Accumulators@http://schemas.ericsson.com/ma/CS/AIR/`

11.1 Request Data

11.1.1 Parameters

MOId

Table 40 Get Accumulators MOId

Parameter	Type	Occurrence	Description
<code>subscriberNumber</code>	String, 1 - 28 digits	Mandatory	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by <code>subscriberNumberNAI</code> parameter.

MOAttributes

Table 41 covers the parameters that can be used in a `getAccumulatorsResponse` request.

Table 41 *Get Accumulators Parameter*

Parameter	Type	Occurrence	Description
originNodeTye	String Enumeration value="EXT" Enumeration value="AIR" Enumeration value="ADM" Enumeration value="UGW" Enumeration value="IVR" Enumeration value="OGW" Enumeration value="SDP"	Optional (0-1)	The parameter contains the origin node type that is set by AIR or provided by an external network element. It contains the type of the logical node from where the operation originated. External network elements are not allowed to use the reserved names on network element types, (except EXT). Network Element Type: EXT:External system AIR:Account information and refill ADM:Administrative system UGW: USSD gateway IVR :Interactive voice response system OGW: On-line gateway SDP: Service data point
originHostName	String,1 - 255 characters	Optional (0-1)	The identifier string for the host where the operation originated from. The host name shall be unique within the network for a given network element type.
originTransactionID	String, 0 - 9999 9999 9999 9999 9999 digits Each digit is 0-9	Optional (0-1)	The Unique identifier for the transaction, generated by the system it was initiated from. The value in this parameter must be unique per operation and can be a sequence number. An operation in this case is for example a refill.
originTimeStamp	String: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date and time of sending the request by the entity that initiated the operation.
subscriberNumberNAI	Integer, 0 - 2 0 = National number (with prefix) 1 = International number 2 = National significant number (without prefix)	Optional (0-1)	The Nature of Address Indicator identifies the format of the subscriberNumber parameter.



Parameter	Type	Occurrence	Description
messageCapabilityFlag		Optional (0-1)	The possible actions that may be performed on the account due to an operation initiated over this protocol.
promotionNotificationFlag	Boolean { 0, 1 } 0 (false) = Default value. Promotion notification code will not be cleared after delivery in response. 1 (true) = Promotion notification code will be cleared after delivery in response.	Optional (0-1)	Indicate whether the promotion notification code shall be cleared or not after delivery in response.
firstIVRCallSetFlag	Boolean { 0, 1 } 0 (false) = Do not set first IVR call done flag. 1 (true) = Set first IVR call done flag.	Optional (0-1)	Indicate whether the first IVR call done flag shall be set or not.
accountActivationFlag	Boolean { 0, 1 } 0 (false) = Default value. Pre-activated accounts will not be activated due to the request. Account can however be activated if service fee and supervision expiry dates are set as a result of this request. In this case neither the initial balance nor the life-cycle dates from the pre-activation configuration will not be given. 1 (true) = Pre-activated accounts may be activated due to the request. If service fee and supervision expiry dates are explicitly received in the request these days will be used and initial balance will be applied (but no additional days from the pre-activation configuration will be given). If service fee and supervision expiry dates are not explicitly set in the request initial life-cycle days and initial balance is applied.	Optional (0-1)	Indicate whether pre-activated accounts can be or cannot be activated due to the request. The possibility to activate a pre-activated account by this flag is configured in the account databases service class configuration. This results in that even if the flag is set to true the account may not be activated.
accumulatorSelection	Sub-Mo	Optional (0-n)	This parameter is used to select which usage accumulators that will be returned.
accumulatorIDFirst	Integer, 1 - 2147483647	Mandatory	The first accumulator identity in a sequence of usage accumulators or the only accumulator identity if a single usage accumulator shall be obtained.



Parameter	Type	Occurrence	Description
accumulatorIDLast	Integer, 1 - 2147483647	Optional (0-1)	The last accumulator identity in a sequence of usage accumulators.
negotiatedCapabilities	Integer, 0 - 2147483647	Optional (0-n)	Indicates the negotiated capabilities between the client and server node. The capabilities are presented as a series of elements, where each element contains an integer value between 0 and 2147483647. The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active..

11.2 Response Data

11.2.1 Parameters

MOId

Table 42 Get Accumulators Parameters

Parameter	Type	Occurrence	Description
subscriberNumber	String, 1 - 28 digits	Mandatory	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by subscriberNumberNAI parameter.

MOAttributes

Table 43 covers the parameters that can be used in a `getAccumulators` response.



Table 43 Get Accumulators Parameter

Parameter	Type	Occurrence	Description
subscriberNumber	String, 1 - 28 digits	Mandatory	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by subscriberNumberNAI parameter.
originTransactionID	String, 0 - 9999 9999 9999 9999 9999 digits	Optional (0-1)	The Unique identifier for the transaction, generated by the system it was initiated from. The value in this parameter must be unique per operation and can be a sequence number. An operation in this case is for example a refill.
languageIDCurrent	Integer, 1 - 4 1 = Operator specific language 1 2 = Operator specific language 2 3 = Operator specific language 3 4 = Operator specific language 4	Mandatory	The preferred language of the subscriber.
serviceClassCurrent	Integer, 0 - 9999	Mandatory	The service class currently used by the subscriber.
accumulatorInformation		Optional (0-1)	The list information of accumulator.
accumulatorID	Integer, 1 - 2147483647	Mandatory	The identity of accumulator.
accumulatorValue	Integer, -2147483648 to 2147483647	Mandatory	The value of accumulator.
accumulatorStartDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	Indicates the date on which the accumulator was last reset.
accumulatorEndDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	Indicates the date on which the accumulator will be reset to the initial value again.
temporaryBlockedFlag	Boolean { 0, 1 } 0 (false) = Default value. Unblocked 1 (true) = Temporary blocked	Optional (0-1)	Indicate whether the subscriber and operator has access to subscriber and account data.



Parameter	Type	Occurrence	Description
accountFlagsAfter		Optional (0-1)	Life cycle state flags of the account, indicating the actual status of the account after.
activationStatusFlag	Boolean, { 0,1 } 0 (false) = Default value. Account is not activated 1 (true) = Account is activated	Optional (0-1)	Indicate whether an account is activated or not.
negativeBarringStatusFlag	Boolean { 0,1 } 0 (false) = Default value. Account is not barred due to negative balance. 1 (true) = Account is barred due to negative balance.	Optional (0-1)	Indicate whether an account is barred due to negative balance or not.
supervisionPeriodWarningActiveFlag	Boolean, { 0,1 } 0 (false) = Default value. Supervision period date expiration warning not active. 1 (true) = Supervision period date expiration warning active.	Optional (0-1)	Indicate whether the supervision period date expiration warning is active or not.
serviceFeePeriodWarningActiveFlag	Boolean, { 0,1 } 0 (false) = Default value. Service fee period date expiration warning not active. 1 (true) = Service fee period date expiration warning active	Optional (0-1)	Indicate whether the service fee period date expiration warning is active or not.
supervisionPeriodExpiryFlag	Boolean, { 0,1 } 0 (false) = Default value. Supervision period date has not expired. 1 (true) = Supervision period date has expired.	Optional (0-1)	Indicate whether the supervision period date has expired or not.
serviceFeePeriodExpiryFlag	Boolean, { 0,1 } 0 (false) = Default value. Service fee period date has not expired. 1 (true) = Service fee period date has expired.	Optional (0-1)	Indicate whether the service fee period date has expired or not.
accountFlagsBefore		Optional (0-1)	Life cycle state flags of the account, indicating the actual status of the account before.
activationStatusFlag	Boolean, { 0,1 } 0 (false) = Default value. Account is not activated 1 (true) = Account is activated	Optional (0-1)	Indicate whether an account is activated or not.



Parameter	Type	Occurrence	Description
negativeBarringStatusFlag	Boolean { 0,1 } 0 (false) = Default value. Account is not barred due to negative balance. 1 (true) = Account is barred due to negative balance.	Optional (0-1)	Indicate whether an account is barred due to negative balance or not.
supervisionPeriodWarningActiveFlag	Boolean, { 0,1 } 0 (false) = Default value. Supervision period date expiration warning not active. 1 (true) = Supervision period date expiration warning active.	Optional (0-1)	Indicate whether the supervision period date expiration warning is active or not.
serviceFeePeriodWarningActiveFlag	Boolean, { 0,1 } 0 (false) = Default value. Service fee period date expiration warning not active. 1 (true) = Service fee period date expiration warning active	Optional (0-1)	Indicate whether the service fee period date expiration warning is active or not.
supervisionPeriodExpiryFlag	Boolean, { 0,1 } 0 (false) = Default value. Supervision period date has not expired. 1 (true) = Supervision period date has expired.	Optional (0-1)	Indicate whether the supervision period date has expired or not.
serviceFeePeriodExpiryFlag	Boolean, { 0,1 } 0 (false) = Default value. Service fee period date has not expired. 1 (true) = Service fee period date has expired.	Optional (0-1)	Indicate whether the service fee period date has expired or not.
negotiatedCapabilities	Integer, 0 - 2147483647	Optional (0-n)	Indicate the negotiated capabilities between the client and server node. The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active.
availableServerCapabilities	Integer, 0 - 2147483647	Optional (0-n)	Indicate the available capabilities at the server node. The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active. If only one element is present and is set to 0, no functions after release AIR-IP 5.0 are active, only legacy functionality can be used.



11.3 Examples

This section gives an example of the `getAccumulators` request and response message. This example shows how to get Accumulators.

Request Example

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3="http://schemas.ericsson.com/cai3gl.2/"
  xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SequenceId>12345</cai3:SequenceId>
    <cai3:TransactionId>12345</cai3:TransactionId>
    <cai3:SessionId>70c10a7fd2de4bed9ca3c03f2313af98</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Get>
      <cai3:MOType>Accumulators@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000001</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:getAccumulators subscriberNumber="465273152000001">
          <air:originNodeType>ADM</air:originNodeType>
          <air:originHostName>node1</air:originHostName>
          <air:originTransactionID>00000</air:originTransactionID>
          <air:originTimeStamp>2015-10-01T12:00:00+00:00</air:originTimeStamp>
          <air:subscriberNumberNAI>1</air:subscriberNumberNAI>
          <air:messageCapabilityFlag>
            <air:promotionNotificationFlag>0</air:promotionNotificationFlag>
            <air:firstIVRCallSetFlag>0</air:firstIVRCallSetFlag>
            <air:accountActivationFlag>0</air:accountActivationFlag>
          </air:messageCapabilityFlag>
          <air:accumulatorSelection>
            <air:accumulatorIDFirst>1</air:accumulatorIDFirst>
            <air:accumulatorIDLast>2</air:accumulatorIDLast>
          </air:accumulatorSelection>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
        </air:getAccumulators>
      </cai3:MOAttributes>
    </cai3:Get>
  </soapenv:Body>
</soapenv:Envelope>
```

Example 86 Get Accumulators Request Message

Response Example



```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3g="http://schemas.ericsson.com/cai3g1.2/">
  <S:Header>
    <cai3g:SessionId>70c10a7fd2de4bed9ca3c03f2313af98</cai3g:SessionId>
    <cai3g:TransactionId>12345</cai3g:TransactionId>
    <cai3g:SequenceId>12345</cai3g:SequenceId>
  </S:Header>
  <S:Body>
    <GetResponse xmlns="http://schemas.ericsson.com/cai3g1.2/">
      <MOAttributes>
        <air:getAccumulatorsResponse xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
          <air:subscriberNumber>465273152000001</air:subscriberNumber>
          <air:originTransactionID>00000</air:originTransactionID>
          <air:languageIDCurrent>1</air:languageIDCurrent>
          <air:serviceClassCurrent>111</air:serviceClassCurrent>
          <air:accumulatorInformation>
            <air:accumulatorID>1</air:accumulatorID>
            <air:accumulatorValue>2147483647</air:accumulatorValue>
            <air:accumulatorStartDate>2015-10-01T12:00:00+00:00</air:accumulatorStartDate>
            <air:accumulatorEndDate>2021-10-31T12:00:00+00:00</air:accumulatorEndDate>
          </air:accumulatorInformation>
          <air:accumulatorInformation>
            <air:accumulatorID>2</air:accumulatorID>
            <air:accumulatorValue>2147483647</air:accumulatorValue>
            <air:accumulatorStartDate>2015-11-01T12:00:00+00:00</air:accumulatorStartDate>
            <air:accumulatorEndDate>2024-12-16T12:00:00+00:00</air:accumulatorEndDate>
          </air:accumulatorInformation>
          <air:accountFlagsAfter>
            <air:activationStatusFlag>1</air:activationStatusFlag>
            <air:negativeBarringStatusFlag>0</air:negativeBarringStatusFlag>
            <air:supervisionPeriodWarningActiveFlag>0</air:supervisionPeriodWarningActiveFlag>
            <air:serviceFeePeriodWarningActiveFlag>0</air:serviceFeePeriodWarningActiveFlag>
            <air:supervisionPeriodExpiryFlag>0</air:supervisionPeriodExpiryFlag>
            <air:serviceFeePeriodExpiryFlag>0</air:serviceFeePeriodExpiryFlag>
          </air:accountFlagsAfter>
          <air:accountFlagsBefore>
            <air:activationStatusFlag>1</air:activationStatusFlag>
            <air:negativeBarringStatusFlag>0</air:negativeBarringStatusFlag>
            <air:supervisionPeriodWarningActiveFlag>0</air:supervisionPeriodWarningActiveFlag>
            <air:serviceFeePeriodWarningActiveFlag>0</air:serviceFeePeriodWarningActiveFlag>
            <air:supervisionPeriodExpiryFlag>0</air:supervisionPeriodExpiryFlag>
            <air:serviceFeePeriodExpiryFlag>0</air:serviceFeePeriodExpiryFlag>
          </air:accountFlagsBefore>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
          <air:availableServerCapabilities>809988676</air:availableServerCapabilities>
        </air:getAccumulatorsResponse>
      </MOAttributes>
    </GetResponse>
  </S:Body>
</S:Envelope>

```

Example 87 Get Accumulators Response Message



12

Set Accumulators

This section covers the AIR command `setAccumulators`.

MOType

`Accumulators@http://schemas.ericsson.com/ma/CS/AIR/`

12.1

Request Data

12.1.1

Parameters

MOId

Table 44 Set Accumulators MOId

Parameter	Type	Occurrence	Description
subscriberNumber	String, 1 - 28 digits	Mandatory	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by subscriberNumberNAI parameter.

MOAttributes

Table 45 covers the parameters that can be used in a `setAccumulators` request.

Table 45 Set Accumulators Parameter

Parameter	Type	Occurrence	Description
originNodeTye	String Enumeration value="EXT" Enumeration value="AIR" Enumeration value="ADM" Enumeration value="UGW" Enumeration value="IVR" Enumeration value="OGW" Enumeration value="SDP"	Optional (0-1)	The parameter contains the origin node type that is set by AIR or provided by an external network element. It contains the type of the logical node from where the operation originated. External network elements are not allowed to use the reserved names on network element types, (except EXT). Network Element Type: EXT:External system AIR:Account information and refill ADM:Administrative system UGW: USSD gateway IVR :Interactive voice response system OGW: On-line gateway SDP: Service data point
originHostName	String,1 - 255 characters	Optional (0-1)	The identifier string for the host where the operation originated from. The host name shall be unique within the network for a given network element type.
originTransactionID	String, 0 - 9999 9999 9999 9999 9999 digits Each digit is 0-9	Optional (0-1)	The Unique identifier for the transaction, generated by the system it was initiated from. The value in this parameter must be unique per operation and can be a sequence number. An operation in this case is for example a refill.
originTimeStamp	String: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date and time of sending the request by the entity that initiated the operation.
subscriberNumberNAI	Integer, 0 - 2 0 = National number (with prefix) 1 = International number 2 = National significant number (without prefix)	Optional (0-1)	The Nature of Address Indicator identifies the format of the subscriberNumber parameter.



Parameter	Type	Occurrence	Description
originOperatorID	String, 1- 255 characters	Optional (0-1)	The identity of the system user or the session from where the operation was initiated. It can be used for security management or logging purposes for an example.
accumulatorUpdateInformation	Sub-MO	Mandatory	The updated information of the accumulator.
accumulatorID	Integer, 1 - 2147483647	Mandatory	The identity of accumulator.
accumulatorValueRelative	Integer, -2147483648 to 2147483647	Optional (0-1)	An accumulator value used for a relative update.
accumulatorValueAbsolute	Integer, -2147483648 to 2147483647	Optional (0-1)	An accumulator value used for an absolute update.
accumulatorStartDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	Indicates the date on which the accumulator was last reset.
serviceClassCurrent	Integer, 0 - 9999	Optional (0-1)	The service class currently used by the subscriber.
negotiatedCapabilities	Integer, 0 - 2147483647	Optional (0-n)	Indicates the negotiated capabilities between the client and server node. The capabilities are presented as a series of elements, where each element contains an integer value between 0 and 2147483647. The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active..

12.2 Response Data

12.2.1 Parameters

MOld

**Table 46** *Set Accumulators Parameters*

Parameter	Type	Occurrence	Description
subscriberNumber	String, 1 - 28 digits	Mandatory	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by subscriberNumberNAI parameter.

MOAttributes

Table 47 covers the parameters that can be used in a `setAccumulators` response.

Table 47 *Set Accumulators Parameter*

Parameter	Type	Occurrence	Description
subscriberNumber	String, 1 - 28 digits	Mandatory	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by subscriberNumberNAI parameter.
originTransactionID	String, 0 - 9999 9999 9999 9999 9999 digits	Optional (0-1)	The Unique identifier for the transaction, generated by the system it was initiated from. The value in this parameter must be unique per operation and can be a sequence number. An operation in this case is for example a refill.
originOperatorID	String, 1- 255 characters	Optional (0-1)	The identity of the system user or the session from where the operation was initiated. It can be used for security management or logging purposes for an example.



Parameter	Type	Occurrence	Description
negotiatedCapabilities	Integer, 0 - 2147483647	Optional (0-n)	Indicate the negotiated capabilities between the client and server node. The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active.
availableServerCapabilities	Integer, 0 - 2147483647	Optional (0-n)	Indicate the available capabilities at the server node. The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active. If only one element is present and is set to 0, no functions after release AIR-IP 5.0 are active, only legacy functionality can be used.

12.3 Examples

This section gives an example of the `setAccumulators` request and response message. This example shows how to set Accumulators.

Request Example

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SessionId>ffaaa4415eb249449a1a6f6827b7c9e</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Set>
      <cai3:Set>
        <cai3:MOType>Accumulators@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOType>
        <cai3:MOId>
          <air:subscriberNumber>465273152000001</air:subscriberNumber>
        </cai3:MOId>
        <cai3:MOAttributes>
          <air:setAccumulators subscriberNumber="465273152000001">
            <air:originNodeType>ADM</air:originNodeType>
            <air:originHostName>node1</air:originHostName>
            <air:originTransactionID>00000</air:originTransactionID>
            <air:originTimeStamp>2015-10-01T12:00:00+00:00</air:originTimeStamp>
            <air:subscriberNumberNAI>1</air:subscriberNumberNAI>
            <air:originOperatorID>user1</air:originOperatorID>
            <air:accumulatorUpdateInformation>
              <air:accumulatorID>1</air:accumulatorID>
              <air:accumulatorValueAbsolute>2147483647</air:accumulatorValueAbsolute>
              <air:accumulatorStartDate>2015-10-01T12:00:00+00:00</air:accumulatorStartDate>
            </air:accumulatorUpdateInformation>
            <air:accumulatorUpdateInformation>
              <air:accumulatorID>2</air:accumulatorID>
              <air:accumulatorValueAbsolute>2147483647</air:accumulatorValueAbsolute>
              <air:accumulatorStartDate>2015-11-01T12:00:00+00:00</air:accumulatorStartDate>
            </air:accumulatorUpdateInformation>
            <air:serviceClassCurrent>111</air:serviceClassCurrent>
            <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
          </air:setAccumulators>
        </cai3:MOAttributes>
      </cai3:Set>
    </soapenv:Body>
  </soapenv:Envelope>
```

Example 88 Set Accumulators Request Message



Response Example

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3g="http://schemas.ericsson.com/cai3g1.2/">
  <S:Header>
    <cai3g:SessionId>ffaaa4415eb249449a1a6f6827b7cale</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <SetResponse xmlns="http://schemas.ericsson.com/cai3g1.2/">
      <MOAttributes>
        <air:setAccumulatorsResponse xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
          <air:subscriberNumber>465273152000001</air:subscriberNumber>
          <air:originTransactionID>00000</air:originTransactionID>
          <air:originOperatorID>user1</air:originOperatorID>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
          <air:availableServerCapabilities>809988676</air:availableServerCapabilities>
        </air:setAccumulatorsResponse>
      </MOAttributes>
    </SetResponse>
  </S:Body>
</S:Envelope>
```

Example 89 Set Accumulators Response Message



13 Delete Accumulators

This section covers the AIR command `deleteAccumulators`.

MOType

`Accumulators@http://schemas.ericsson.com/ma/CS/AIR/`

13.1 Request Data

13.1.1 Parameters

MOId

Table 48 Delete Accumulators MOId

Parameter	Type	Occurrence	Description
<code>subscriberNumber</code>	String, 1 - 28 digits	Mandatory	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by <code>subscriberNumberNAI</code> parameter.

MOAttributes

Table 49 covers the parameters that can be used in a `deleteAccumulators` request.

Table 49 Delete Accumulators Parameter

Parameter	Type	Occurrence	Description
originNodeTye	String Enumeration value="EXT" Enumeration value="AIR" Enumeration value="ADM" Enumeration value="UGW" Enumeration value="IVR" Enumeration value="OGW" Enumeration value="SDP"	Optional (0-1)	The parameter contains the origin node type that is set by AIR or provided by an external network element. It contains the type of the logical node from where the operation originated. External network elements are not allowed to use the reserved names on network element types, (except EXT). Network Element Type: EXT:External system AIR:Account information and refill ADM:Administrative system UGW: USSD gateway IVR :Interactive voice response system OGW: On-line gateway SDP: Service data point
originHostName	String,1 - 255 characters	Optional (0-1)	The identifier string for the host where the operation originated from. The host name shall be unique within the network for a given network element type.
originTransactionID	String, 0 - 9999 9999 9999 9999 9999 digits Each digit is 0-9	Optional (0-1)	The Unique identifier for the transaction, generated by the system it was initiated from. The value in this parameter must be unique per operation and can be a sequence number. An operation in this case is for example a refill.
originTimeStamp	String: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date and time of sending the request by the entity that initiated the operation.
subscriberNumberNAI	Integer, 0 - 2 0 = National number (with prefix) 1 = International number 2 = National significant number (without prefix)	Optional (0-1)	The Nature of Address Indicator identifies the format of the subscriberNumber parameter.



Parameter	Type	Occurrence	Description
originOperatorID	String, 1- 255 characters	Optional (0-1)	The identity of the system user or the session from where the operation was initiated. It can be used for security management or logging purposes for an example.
serviceClassCurrent	Integer, 0 - 9999	Optional (0-1)	The service class currently used by the subscriber.
accumulatorIdentifier	Sub-MO	Mandatory	The identifier information of the accumulator.
accumulatorID	Integer, 1 - 2147483647	Mandatory	The identity of accumulator.
accumulatorEndDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	Indicates the date on which the accumulator will be reset to the initial value again.
negotiatedCapabilities	Integer, 0 - 2147483647	Optional (0-n)	Indicates the negotiated capabilities between the client and server node. The capabilities are presented as a series of elements, where each element contains an integer value between 0 and 2147483647. The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active..

13.2 Response Data

13.2.1 Parameters

MOId

**Table 50 Delete Accumulators Parameters**

Parameter	Type	Occurrence	Description
subscriberNumber	String, 1 - 28 digits	Mandatory	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by subscriberNumberNAI parameter.

MOAttributes

Table 51 covers the parameters that can be used in a deleteAccumulators response.

Table 51 Delete Accumulators Parameter

Parameter	Type	Occurrence	Description
subscriberNumber	String, 1 - 28 digits	Mandatory	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by subscriberNumberNAI parameter.
originTransactionID	String, 0 - 9999 9999 9999 9999 9999 digits	Optional (0-1)	The Unique identifier for the transaction, generated by the system it was initiated from. The value in this parameter must be unique per operation and can be a sequence number. An operation in this case is for example a refill.
originOperatorID	String, 1- 255 characters	Optional (0-1)	The identity of the system user or the session from where the operation was initiated. It can be used for security management or logging purposes for an example.
accumulatorInformation	Sub-MO	Mandatory	The list information of accumulator.
accumulatorID	Integer, 1 - 2147483647	Mandatory	The identity of accumulator.
accumulatorValue	Integer, -2147483648 to 2147483647	Mandatory	The value of accumulator.
accumulatorStartDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	Indicates the date on which the accumulator was last reset.



Parameter	Type	Occurrence	Description
accumulatorEndDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11- 24T23:59:59+08:00	Optional (0-1)	Indicates the date on which the accumulator will be reset to the initial value again.
negotiatedCapabilities	Integer, 0 - 2147483647	Optional (0-n)	Indicate the negotiated capabilities between the client and server node. The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active.
availableServerCapabilities	Integer, 0 - 2147483647	Optional (0-n)	Indicate the available capabilities at the server node. The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active. If only one element is present and is set to 0, no functions after release AIR-IP 5.0 are active, only legacy functionality can be used.

13.3 Examples

This section gives an example of the `deleteAccumulators` request and response message. This example shows how to delete Accumulators.

Request Example



```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3="http://schemas.ericsson.com/cai3gl.2/"
  xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SequenceId>12345</cai3:SequenceId>
    <cai3:TransactionId>12345</cai3:TransactionId>
    <cai3:SessionId>d3679e5e0af64a77804210816a7ele70</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Delete>
      <cai3:MOType>Accumulators@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000001</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:deleteAccumulators subscriberNumber="465273152000001">
          <air:originNodeType>ADM</air:originNodeType>
          <air:originHostName>node1</air:originHostName>
          <air:originTransactionID>00000</air:originTransactionID>
          <air:originTimeStamp>2015-10-01T12:00:00+00:00</air:originTimeStamp>
          <air:subscriberNumberNAI>1</air:subscriberNumberNAI>
          <air:originOperatorID>user1</air:originOperatorID>
          <air:serviceClassCurrent>111</air:serviceClassCurrent>
          <air:accumulatorIdentifier>
            <air:accumulatorID>1</air:accumulatorID>
            <air:accumulatorEndDate>2030-10-01T12:00:00+00:00</air:accumulatorEndDate>
          </air:accumulatorIdentifier>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
        </air:deleteAccumulators>
      </cai3:MOAttributes>
    </cai3:Delete>
  </soapenv:Body>
</soapenv:Envelope>
```

Example 90 Delete Accumulators Request Message

Response Example



```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3g="http://schemas.ericsson.com/cai3gl.2/">
  <S:Header>
    <cai3g:SessionId>d3679e5e0af64a77804210816a7e1e70</cai3g:SessionId>
    <cai3g:TransactionId>12345</cai3g:TransactionId>
    <cai3g:SequenceId>12345</cai3g:SequenceId>
  </S:Header>
  <S:Body>
    <DeleteResponse xmlns="http://schemas.ericsson.com/cai3gl.2/">
      <MOId>
        <air:subscriberNumber xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/"
  xmlns:cai3="http://schemas.ericsson.com/cai3gl.2/"
  xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
          465273152000001</air:subscriberNumber>
        </MOId>
        <MOAttributes>
          <deleteAccumulatorsResponse:deleteAccumulatorsResponse
  xmlns="http://schemas.ericsson.com/ma/CS/AIR/"
  xmlns:deleteAccumulatorsResponse="http://schemas.ericsson.com/ma/CS/AIR/">
            <subscriberNumber>465273152000001</subscriberNumber>
            <originTransactionID>14484215823058213847</originTransactionID>
            <originOperatorID>user1</originOperatorID>
            <accumulatorInformation>
              <accumulatorID>1</accumulatorID>
              <accumulatorValue>2147483647</accumulatorValue>
              <accumulatorStartDate>2015-10-01T12:00:00+00:00</accumulatorStartDate>
              <accumulatorEndDate>2021-10-31T12:00:00+00:00</accumulatorEndDate>
            </accumulatorInformation>
            <negotiatedCapabilities>0</negotiatedCapabilities>
            <availableServerCapabilities>809988676</availableServerCapabilities>
          </deleteAccumulatorsResponse:deleteAccumulatorsResponse>
        </MOAttributes>
      </DeleteResponse>
    </S:Body>
  </S:Envelope>
```

Example 91 Delete Accumulators Response Message





14 Set AIR Run Periodic Account Management

This section covers the AIR subscriber command `setRunPeriodicAccountManagement`.

MOType

`RunPeriodicAccountManagement@http://schemas.ericsson.com/ma/CS/AIR/`

14.1 Request Data

14.1.1 Parameters

MOId

Table 52 Set Run Periodic Account Management Parameters

Parameter	Type	Occurrence	Description
subscriberNumber	String, 1 - 28 digits	Mandatory	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by subscriberNumberNAI parameter.

MOAttributes

Table 53 covers the parameters that can be used in a `setRunPeriodicAccountManagement` request.

Table 53 Set Run Periodic Account Management Parameters

Parameter	Type	Occurrence	Description
originNodeType	String Enumeration value="EXT" Enumeration value="AIR" Enumeration value="ADM" Enumeration value="UGW" Enumeration value="IVR" Enumeration value="OGW" Enumeration value="SDP"	Optional (0-1)	The parameter contains the origin node type that is set by AIR or provided by an external network element. It contains the type of the logical node from where the operation originated. External network elements are not allowed to use the reserved names on network element types, (except EXT). Network Element Type: EXT:External system AIR:Account information and refill ADM:Administrative system UGW: USSD gateway IVR :Interactive voice response system OGW: On-line gateway SDP: Service data point
originHostName	String, 1 - 255 characters	Optional (0-1)	The identifier string for the host where the operation originated from. The host name shall be unique within the network for a given network element type.
originTransactionID	String, 0 - 9999 9999 9999 9999 9999 digits Each digit is 0-9	Optional (0-1)	The Unique identifier for the transaction, generated by the system it was initiated from. The value in this parameter must be unique per operation and can be a sequence number. An operation in this case is for example a refill.
originTimeStamp	String: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date and time of sending the request by the entity that initiated the operation.
subscriberNumberNAI	Integer, 0 - 2 0 = National number (with prefix) 1 = International number 2 = National significant number (without prefix)	Optional (0-1)	The Nature of Address Indicator identifies the format of the subscriberNumber parameter.
originOperatorID	String, 1- 255 characters	Optional (0-1)	The identity of the system user or the session from where the operation was initiated. It can be used for security management or logging purposes for an example.
pamServiceID	Integer, 0 - 99	Mandatory	The id of the periodic account management service.



Parameter	Type	Occurrence	Description
pamIndicator	Integer, 0 - 65535	Optional (0-1)	This parameter is used for differentiation in the periodic account management structure when executing a periodic account management evaluation.
negotiatedCapabilities	Integer, 0 - 2147483647	Optional (0-n)	Indicate the negotiated capabilities between the client and server node. The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active.

14.2 Response Data

14.2.1 Parameters

MOId

Table 54 Set Run Periodic Account Management Parameters

Parameter	Type	Occurrence	Description
subscriberNumber	String, 1 - 28 digits	Mandatory	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by subscriberNumberNAI parameter.

MOAttributes

Table 55 covers the parameters that can be used in a `setRunPeriodicAccountManagement` response.

Table 55 Set Run Periodic Account Management Parameters

Parameter	Type	Occurrence	Description
subscriberNumber	String, 1 - 28 digits	Mandatory	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by subscriberNumberNAI parameter.



Parameter	Type	Occurrence	Description
originTransactionID	String, 0 - 9999 9999 9999 9999 digits	Mandatory	Reference to a single operation, generated by the system it was initiated from. The value in this parameter must be unique per operation and can be a sequence number. For example, an operation in this case is a refill.
originOperatorID	String, 1 - 255 characters	Optional (0-1)	The identity of the system user or the session from where the operation was initiated. It might be used for security management or logging purposes for an example.
pamInformation	SubMo	Mandatory	Information used for periodic account management.
pamServiceID	Integer, 0 - 99	Mandatory	The id of the periodic account management service.
pamClassID	Integer, 0 - 9999	Mandatory	The periodic account management class used by the periodic account management service.
scheduleID	Integer, 0 - 9999	Mandatory	The schedule that is used by the periodic account management service.
currentPamPeriod	String, 1 - 30 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash).	Mandatory	Periodic account management period that is currently used for the subscriber.
deferredToDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The deferred to date for the Periodic Account Management service.
lastEvaluationDate	DateTime .iso8601: YYYY-M M-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	Date of the last periodic account management evaluation.



Parameter	Type	Occurrence	Description
pamServicePriority	Integer, 0 - 65535	Optional (0-1)	Indicate the priority between PAM services at PAM evaluation. Lower value gives higher priority.
negotiatedCapabilities	Integer, 0 - 2147483647	Optional (0-n)	Indicates the negotiated capabilities between the client and server node. The capabilities are presented as a series of elements, where each element contains an integer value between 0 and 2147483647. The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active.
availableServerCapabilities	Integer, 0 - 2147483647	Optional (0-n)	Indicate the available capabilities at the server node. The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active. If only one element is present and is set to 0, no functions after release AIR-IP 5.0 are active, only legacy functionality can be used.

14.3 Examples

This section gives an example of the `setRunPeriodicAccountManagement` request and response message. This example shows how to set Run Periodic Account Management.

Request Example

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SessionId>12b27d765da5490b87a864dbb9a5a7fd</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Set>
      <cai3:MOType>CommunicationID@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000010</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:setCommunicationID subscriberNumber="465273152000010">
          <air:imsiCurrent>46001111222</air:imsiCurrent>
          <air:imsiNew>46001111223</air:imsiNew>
          <air:externalContract>1</air:externalContract>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
        </air:setCommunicationID>
      </cai3:MOAttributes>
    </cai3:Set>
  </soapenv:Body>
</soapenv:Envelope>
```

Example 92 Set Run Periodic Account Management Request Message

Response Example



```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3g="http://schemas.ericsson.com/cai3g1.2/">
  <S:Header>
    <cai3g:SessionId>12b27d765da5490b87a864dbb9a5a7fd</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <SetResponse xmlns="http://schemas.ericsson.com/cai3g1.2/">
      <MOAttributes>
        <air:setCommunicationIDResponse xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
          <air:originTransactionID>1442804667204430352</air:originTransactionID>
          <air:cleanupDate>2015-12-20T12:00:00+00:00</air:cleanupDate>
          <air:negotiatedCapabilities>0</air:negotiatedCapabilities>
          <air:availableServerCapabilities>805646852</air:availableServerCapabilities>
        </air:setCommunicationIDResponse>
      </MOAttributes>
    </SetResponse>
  </S:Body>
</S:Envelope>
```

Example 93 *Set Run Periodic Account Management Response Message*



15 Get AIR Capabilities

This section covers the AIR subscriber command `getCapabilites`.

MOType

`Capabilites@http://schemas.ericsson.com/ma/CS/AIR/`

15.1 Request Data

15.1.1 Parameters

MOId

Table 56 Get Capabilities Parameters

Parameter	Type	Occurrence	Description
subscriberNumber	String, 1 - 28 digits	Mandatory	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by subscriberNumberNAI parameter.

15.2 Response Data

15.2.1 Parameters

MOAttributes

Table 57 covers the parameters that can be used in a `getCapabilites` response.



Table 57 Get Capabilities Parameters

Parameter	Type	Occurrence	Description
availableServerCapabilities	Integer, 0 - 2147483647	Optional (0-n)	Indicate the available capabilities at the server node. The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active. If only one element is present and is set to 0, no functions after release AIR-IP 5.0 are active, only legacy functionality can be used.

15.3 Examples

This section gives an example of the `getCapabilites` request and response message. This example shows how to get Capabilities.

Request Example

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3="http://schemas.ericsson.com/cai3gl.2/"
xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
  <soapenv:Header>
    <cai3:SessionId>a4573228f4124562bf58b6624565607d</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Get>
      <cai3:MOType>Capabilities@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>465273152000001</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:getCapabilities subscriberNumber="465273152000001"/>
      </cai3:MOAttributes>
    </cai3:Get>
  </soapenv:Body>
</soapenv:Envelope>
```

Example 94 Get Capabilities Request Message

Response Example

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3g="http://schemas.ericsson.com/cai3gl.2/">
  <S:Header>
    <cai3g:SessionId>a4573228f4124562bf58b6624565607d</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <GetResponse xmlns="http://schemas.ericsson.com/cai3gl.2/">
      <MOAttributes>
        <air:getCapabilitiesResponse xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
          <air:availableServerCapabilities>809988676</air:availableServerCapabilities>
        </air:getCapabilitiesResponse>
      </MOAttributes>
    </GetResponse>
  </S:Body>
</S:Envelope>
```

Example 95 Get Capabilities Response Message

16 Create AF Subscription

This section covers the AF command `createSubscription`.

MOType

Subscription@http://schemas.ericsson.com/ma/CS/AF/

16.1 Request Data

16.1.1 Parameters

MOId

Table 58 Create Subscription MOId

Parameter	Type	Occurrence	Description
msisdn	String, 1 - 28 digits <ul style="list-style-type: none"> A single number. For example, 13999292921 Several numbers separated by comma. For example, 13999292921, 13999292925, 13999292930 A number range. For example, 13999292921- 13999292971 	Mandatory	Subscriber identifier

MOAttributes

Table 59 covers the parameters that can be used in a `createSubscription` request.

**Table 59** *Create Subscription Parameters*

Parameter	Type	Occurrence	Description
msisdn	String, 1 - 28 digits <ul style="list-style-type: none">A single number. For example, 13999292921Several numbers separated by comma. For example, 13999292921, 13999292925, 13999292930A number range. For example, 13999292921- 13999292971	Mandatory	Subscriber identifier
ttl	Integer	Optional (0-1)	Time To Live
sdpHostName	String Format : hostname.domainname	Mandatory	SDP hostname
prerequisite	Boolean, {true, false}	Optional (0-1)	<p>When it is set to TRUE in the Create operation, it means the MSISDNs are not to be defined in AF, otherwise error is returned.</p> <p>When set to FALSE, it means that this request is to be forced to execute no matter MSISDNs exists or not.</p>

16.2 Examples

This section gives an example of the `createSubscription` request and response message. This example shows how to create a Subscription.

Request Example



```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
xmlns:af="http://schemas.ericsson.com/ma/CS/AF/">
  <soapenv:Header>
    <cai3:SessionId>afe520a0a77e4f47b419bb0555665c11</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Create>
      <cai3:MOType>Subscription@http://schemas.ericsson.com/ma/CS/AF/</cai3:MOType>
      <cai3:MOId>
        <af:msisdn>465273152000995</af:msisdn>
      </cai3:MOId>
      <cai3:MOAttributes>
        <af:createSubscription msisdn="465273152000995">
          <af:msisdn>465273152000995</af:msisdn>
          <af:ttl>2147483647</af:ttl>
          <af:sdpHostName>vmx2118x2119-vip</af:sdpHostName>
          <af:prerequisite>l</af:prerequisite>
        </af:createSubscription>
      </cai3:MOAttributes>
    </cai3:Create>
  </soapenv:Body>
</soapenv:Envelope>
```

Example 96 *Create Subscription Request Message*

Response Example

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3g="http://schemas.ericsson.com/cai3g1.2/">
  <S:Header>
    <cai3g:SessionId>afe520a0a77e4f47b419bb0555665c11</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <CreateResponse xmlns="http://schemas.ericsson.com/cai3g1.2/">
      <MOId>
        <af:msisdn xmlns:af="http://schemas.ericsson.com/ma/CS/AF/"
xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">465273152000995</af:msisdn>
      </MOId>
    </CreateResponse>
  </S:Body>
</S:Envelope>
```

Example 97 *Create Subscription Response Message*





17 Set AF Subscription

This section covers the AF command `setSubscription`.

MOType

Subscription@http://schemas.ericsson.com/ma/CS/AF/

17.1 Request Data

17.1.1 Parameters

MOId

Table 60 Set Subscription MOId

Parameter	Type	Occurrence	Description
msisdn	String, 1 - 28 digits <ul style="list-style-type: none"> • A single number. For example, 13999292921 • Several numbers separated by comma. For example, 13999292921, 13999292925, 13999292930 • A number range. For example, 13999292921- 13999292971 	Mandatory	Subscriber identifier

MOAttributes

Table 61 covers the parameters that can be used in a `setSubscription` request.

Table 61 Set Subscription Parameters

Parameter	Type	Occurrence	Description
ttl	Integer	Optional (0-1)	Time To Live



Parameter	Type	Occurrence	Description
sdpHostName	String Format : hostname.d omainname	Mandatory	SDP hostname
prerequisite	Boolean, {true, false}	Optional (0-1)	When it is set to TRUE in the Create operation, it means the MSISDNs are not to be defined in AF, otherwise error is returned. When set to FALSE, it means that this request is to be forced to execute no matter MSISDNs exists or not.

17.2 Examples

This section gives an example of the `setSubscription` request and response message. This example shows how to set a Subscription.

Request Example

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3="http://schemas.ericsson.com/cai3gl.2/"
xmlns:af="http://schemas.ericsson.com/ma/CS/AF/">
  <soapenv:Header>
    <cai3:SessionId>96904b47ed2342aab5a59695b10d9677</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Set>
      <cai3:MOType>Subscription@http://schemas.ericsson.com/ma/CS/AF/</cai3:MOType>
      <cai3:MOId>
        <af:msisdn>465273152000995</af:msisdn>
      </cai3:MOId>
      <cai3:MOAttributes>
        <af:setSubscription msisdn="465273152000995">
          <af:ttl>0</af:ttl>
          <af:sdpHostName>vmx2118x2119-vip</af:sdpHostName>
          <af:prerequisite>1</af:prerequisite>
        </af:setSubscription>
      </cai3:MOAttributes>
    </cai3:Set>
  </soapenv:Body>
</soapenv:Envelope>
```

Example 98 Set Subscription Request Message

Response Example

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3g="http://schemas.ericsson.com/cai3gl.2/">
  <S:Header>
    <cai3g:SessionId>96904b47ed2342aab5a59695b10d9677</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <SetResponse xmlns="http://schemas.ericsson.com/cai3gl.2/">
  </S:Body>
</S:Envelope>
```

Example 99 Set Subscription Response Message



18 Get AF Subscription

This section covers the AF command `getSubscription`.

MOType

Subscription@http://schemas.ericsson.com/ma/CS/AF/

18.1 Request Data

18.1.1 Parameters

MOId

Table 62 Get Subscription MOId

Parameter	Type	Occurrence	Description
msisdn	String, 1 - 28 digits <ul style="list-style-type: none">A single number. For example, 13999292921Several numbers separated by comma. For example, 13999292921, 13999292925, 13999292930A number range. For example, 13999292921- 13999292971	Mandatory	Subscriber identifier

18.2 Response Data

18.2.1 Parameters

MOAttributes

Table 63 covers the parameters that can be used in a `getSubscription` response.

**Table 63** *Get Subscription Parameters*

Parameter	Type	Occurrence	Description
msisdn	String, 1 - 28 digits <ul style="list-style-type: none">A single number. For example, 13999292921Several numbers separated by comma. For example, 13999292921, 13999292925, 13999292930A number range. For example, 13999292921- 13999292971	Mandatory	Subscriber identifier
class	String	Mandatory	Class identifier
ttl	Integer	Mandatory	Time To Live
sdpHostName	String Format : hostname.domainname	Mandatory	SDP hostname
sdpIP	String	Mandatory	The IP address of SDP node

18.3 Examples

This section gives an example of the `getSubscription` request and response message. This example shows how to get a Subscription.

Request Example

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3="http://schemas.ericsson.com/cai3gl.2/"
xmlns:af="http://schemas.ericsson.com/ma/CS/AF/">
  <soapenv:Header>
    <cai3:SessionId>96904b47ed2342aab5a59695b10d9677</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Get>
      <cai3:MOType>Subscription@http://schemas.ericsson.com/ma/CS/AF/</cai3:MOType>
      <cai3:MOId>
        <af:msisdn>465273152000995</af:msisdn>
      </cai3:MOId>
    </cai3:Get>
  </soapenv:Body>
</soapenv:Envelope>
```

Example 100 *Get Subscription Request Message*

Response Example



```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3g="http://schemas.ericsson.com/cai3g1.2/">
  <S:Header>
    <cai3g:SessionId>96904b47ed2342aab5a59695b10d9677</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <GetResponse xmlns="http://schemas.ericsson.com/cai3g1.2/">
      <MOAttributes>
        <af:getSubscriptionResponse xmlns:af="http://schemas.ericsson.com/ma/CS/AF/">
          <af:msisdn>465273152000995</af:msisdn>
          <af:class>IN</af:class>
          <af:ttd>2147483647</af:ttd>
          <af:sdpHostName>vmx2118x2119-vip.cs.</af:sdpHostName>
          <af:sdpIP>10.61.14.128</af:sdpIP>
        </af:getSubscriptionResponse>
      </MOAttributes>
    </GetResponse>
  </S:Body>
</S:Envelope>
```

Example 101 *Get Subscription Response Message*





19 Delete AF Subscription

This section covers the AF command `deleteSubscription`.

MOType

Subscription@http://schemas.ericsson.com/ma/CS/AF/

19.1 Request Data

19.1.1 Parameters

MOId

Table 64 Delete Subscription MOId

Parameter	Type	Occurrence	Description
msisdn	String, 1 - 28 digits <ul style="list-style-type: none">A single number. For example, 13999292921Several numbers separated by comma. For example, 13999292921, 13999292925, 13999292930A number range. For example, 13999292921- 13999292971	Mandatory	Subscriber identifier

19.2 Examples

This section gives an example of the `deleteSubscription` request and response message. This example shows how to delete a Subscription.

Request Example



```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
xmlns:af="http://schemas.ericsson.com/ma/CS/AF/">
  <soapenv:Header>
    <cai3:SessionId>96904b47ed2342aab5a59695b10d9677</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Delete>
      <cai3:MOType>Subscription@http://schemas.ericsson.com/ma/CS/AF/</cai3:MOType>
      <cai3:MOId>
        <af:msisdn>465273152000995</af:msisdn>
      </cai3:MOId>
    </cai3:Delete>
  </soapenv:Body>
</soapenv:Envelope>
```

Example 102 *Delete Subscription Request Message*

Response Example

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3g="http://schemas.ericsson.com/cai3g1.2/">
  <S:Header>
    <cai3g:SessionId>96904b47ed2342aab5a59695b10d9677</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <DeleteResponse xmlns="http://schemas.ericsson.com/cai3g1.2/">
      <MOId>
        <af:msisdn xmlns:af="http://schemas.ericsson.com/ma/CS/AF/"
xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">465273152000995</af:msisdn>
      </MOId>
    </DeleteResponse>
  </S:Body>
</S:Envelope>
```

Example 103 *Delete Subscription Response Message*

20 Create AF Identifier

This section covers the AF command `createIdentifier`.

MOType

Identifier@http://schemas.ericsson.com/ma/CS/AF/

20.1 Request Data

20.1.1 Parameters

MOId

Table 65 Create Identifier MOId

Parameter	Type	Occurrence	Description
msisdn	String, 1 - 28 digits <ul style="list-style-type: none"> A single number. For example, 13999292921 Several numbers separated by comma. For example, 13999292921, 13999292925, 13999292930 A number range. For example, 13999292921- 13999292971 	Mandatory	Subscriber identifier
identifier	String, 1 - 28 digits	Mandatory	The identifier pointing to an MSISDN.

MOAttributes

Table 66 covers the parameters that can be used in a `createIdentifier` request.

**Table 66** *Create Identifier Parameters*

Parameter	Type	Occurrence	Description
msisdn	String, 1 - 28 digits <ul style="list-style-type: none">A single number. For example, 13999292921Several numbers separated by comma. For example, 13999292921, 13999292925, 13999292930A number range. For example, 13999292921- 13999292971	Mandatory	Subscriber identifier
identifier	String, 1 - 28 digits	Mandatory	The identifier pointing to an MSISDN.
type	String Enumeration value="NAI" Enumeration value="IMSI" Enumeration value="SIP-URI" Enumeration value="PRIVATE"	Mandatory	The type of the identifier
ttl	Integer	Optional (0-1)	Time To Live
prerequisite	Boolean, {true, false}	Optional (0-1)	When it is set to TRUE in the Create operation, it means the MSISDNs are not to be defined in AF, otherwise error is returned. When set to FALSE, it means that this request is to be forced to execute no matter MSISDNs exists or not.

20.2 Examples

This section gives an example of the `createIdentifier` request and response message. This example shows how to create an identifier.

Request Example



```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
xmlns:af="http://schemas.ericsson.com/ma/CS/AF/">
  <soapenv:Header>
    <cai3:SessionId>8e883666b30541d2954e563e96b32123</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Create>
      <cai3:MOType>Identifier@http://schemas.ericsson.com/ma/CS/AF/</cai3:MOType>
      <cai3:MOId>
        <af:msisdn>465273152000111</af:msisdn>
        <af:identifier>naifoobar201@ericsson.com</af:identifier>
      </cai3:MOId>
      <cai3:MOAttributes>
        <af:createIdentifier msisdn="465273152000111" identifier="naifoobar201@ericsson.com">
          <af:msisdn>465273152000111</af:msisdn>
          <af:identifier>naifoobar201@ericsson.com</af:identifier>
          <af:type>nai</af:type>
          <af:ttl>201</af:ttl>
          <af:prerequisite>1</af:prerequisite>
        </af:createIdentifier>
      </cai3:MOAttributes>
    </cai3:Create>
  </soapenv:Body>
</soapenv:Envelope>
```

Example 104 Create Identifier Request Message

Response Example

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3g="http://schemas.ericsson.com/cai3g1.2/">
  <S:Header>
    <cai3g:SessionId>8e883666b30541d2954e563e96b32123</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <CreateResponse xmlns="http://schemas.ericsson.com/cai3g1.2/">
      <MOId>
        <af:msisdn xmlns:af="http://schemas.ericsson.com/ma/CS/AF/"
xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">465273152000111</af:msisdn>
        <af:identifier xmlns:af="http://schemas.ericsson.com/ma/CS/AF/"
xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">naifoobar201@ericsson.com</af:identifier>
      </MOId>
    </CreateResponse>
  </S:Body>
</S:Envelope>
```

Example 105 Create Identifier Response Message





21 Set AF Identifier

This section covers the AF command `setIdentifier`.

MOType

Identifier@http://schemas.ericsson.com/ma/CS/AF/

21.1 Request Data

21.1.1 Parameters

MOId

Table 67 Set Identifier MOId

Parameter	Type	Occurrence	Description
msisdn	String, 1 - 28 digits <ul style="list-style-type: none"> A single number. For example, 13999292921 Several numbers separated by comma. For example, 13999292921, 13999292925, 13999292930 A number range. For example, 13999292921-13999292971 	Mandatory	Subscriber identifier
identifier	String, 1 - 28 digits	Mandatory	The identifier pointing to an MSISDN.

MOAttributes

Table 68 covers the parameters that can be used in a `setIdentifier` request.



Table 68 Set Identifier Parameters

Parameter	Type	Occurrence	Description
type	String Enumeration value="NAI" Enumeration value="IMSI" Enumeration value="SIP-URI" Enumeration value="PRIVATE"	Mandatory	The type of the identifier
ttl	Integer	Optional (0-1)	Time To Live
prerequisite	Boolean, {true, false}	Optional (0-1)	When it is set to TRUE in the Create operation, it means the MSISDNs are not to be defined in AF, otherwise error is returned. When set to FALSE, it means that this request is to be forced to execute no matter MSISDNs exists or not.

21.2 Examples

This section gives an example of the `setIdentifier` request and response message. This example shows how to set an identifier.

Request Example

This section gives an example of a `setIdentifier` request message, as shown in xxx.

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3="http://schemas.ericsson.com/cai3gl.2/"
xmlns:af="http://schemas.ericsson.com/ma/CS/AF/">
  <soapenv:Header>
    <cai3:SessionId>8e883666b30541d2954e563e96b32123</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Set>
      <cai3:MOType>Identifier<http://schemas.ericsson.com/ma/CS/AF/</cai3:MOType>
      <cai3:MOId>
        <af:msisdn>465273152000111</af:msisdn>
        <af:identifier>naifoobar200@ericsson.com</af:identifier>
      </cai3:MOId>
      <cai3:MOAttributes>
        <af:setIdentifier msisdn="465273152000111" identifier="naifoobar200@ericsson.com">
          <af:type>nai</af:type>
          <af:ttl>200</af:ttl>
          <af:prerequisite>1</af:prerequisite>
        </af:setIdentifier>
      </cai3:MOAttributes>
    </cai3:Set>
  </soapenv:Body>
</soapenv:Envelope>
```

Example 106 Set Identifier Request Message

Response Example



```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3g="http://schemas.ericsson.com/cai3g1.2/">
  <S:Header>
    <cai3g:SessionId>8e883666b30541d2954e563e96b32123</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <SetResponse xmlns="http://schemas.ericsson.com/cai3g1.2/" />
  </S:Body>
</S:Envelope>
```

Example 107 *Set Identifier Response Message*



22 Get AF Identifier

This section covers the command `getIdentifier`.

MOType

Identifier@http://schemas.ericsson.com/ma/CS/AF/

22.1 Request Data

22.1.1 Parameters

MOId

Table 69 Get Identifier MOId

Parameter	Type	Occurrence	Description
msisdn	String, 1 - 28 digits <ul style="list-style-type: none"> A single number. For example, 13999292921 Several numbers separated by comma. For example, 13999292921, 13999292925, 13999292930 A number range. For example, 13999292921- 13999292971 	Mandatory	Subscriber identifier
identifier	String, 1 - 28 digits	Mandatory	The identifier pointing to an MSISDN.

MOAttributes

Table 70 covers the parameters that can be used in a `getIdentifier` request.

*Table 70 Get Identifier Parameters*

Parameter	Type	Occurrence	Description
type	String Enumeration value="NAI" Enumeration value="IMSI" Enumeration value="SIP-URI" Enumeration value="PRIVATE"	Mandatory	The type of the identifier

22.2 Response Data

22.2.1 Parameters

MOAttributes

Table 71 covers the parameters that can be used in a `getIdentifier` response.

Table 71 Get Identifier Parameters

Parameter	Type	Occurrence	Description
identifier	String, 1 - 28 digits	Mandatory	The identifier pointing to an MSISDN.
type	String Enumeration value="NAI" Enumeration value="IMSI" Enumeration value="SIP-URI" Enumeration value="PRIVATE"	Mandatory	The type of the identifier
msisdn	String, 1 - 28 digits <ul style="list-style-type: none">• A single number. For example, 13999292921• Several numbers separated by comma. For example, 13999292921, 13999292925, 13999292930• A number range. For example, 13999292921- 13999292971	Mandatory	Subscriber identifier



Parameter	Type	Occurrence	Description
class	String	Mandatory	Class identifier
ttl	Integer	Mandatory	Time To Live
sdpHostName	String Format : hostname.domainname	Mandatory	SDP hostname
sdpIP	String	Mandatory	The IP address of SDP node

22.3 Examples

This section gives an example of the `getIdentifier` request and response message. This example shows how to get an identifier.

Request Example

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
  xmlns:af="http://schemas.ericsson.com/ma/CS/AF/">
  <soapenv:Header>
    <cai3:SessionId>8e883666b30541d2954e563e96b32123</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Get>
      <cai3:MOType>Identifier@http://schemas.ericsson.com/ma/CS/AF/</cai3:MOType>
      <cai3:MOId>
        <af:msisdn>465273152000111</af:msisdn>
        <af:identifier>naifoobar200@ericsson.com</af:identifier>
      </cai3:MOId>
      <cai3:MOAttributes>
        <af:getIdentifier msisdn="465273152000111" identifier="naifoobar200@ericsson.com">
          <af:type>nai</af:type>
        </af:getIdentifier>
      </cai3:MOAttributes>
    </cai3:Get>
  </soapenv:Body>
</soapenv:Envelope>
```

Example 108 Get Identifier Request Message

Response Example



```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3="http://schemas.ericsson.com/cai3gl.2/"
  xmlns:af="http://schemas.ericsson.com/ma/CS/AF/">
  <soapenv:Header>
    <cai3:SessionId>8e883666b30541d2954e563e96b32123</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Get>
      <cai3:MOType>Identifier<http://schemas.ericsson.com/ma/CS/AF/</cai3:MOType>
      <cai3:MOId>
        <af:msisdn>465273152000111</af:msisdn>
        <af:identifier>naifoobar200@ericsson.com</af:identifier>
      </cai3:MOId>
      <cai3:MOAttributes>
        <af:getIdentifier msisdn="465273152000111" identifier="naifoobar200@ericsson.com">
          <af:type>nai</af:type>
        </af:getIdentifier>
      </cai3:MOAttributes>
    </cai3:Get>
  </soapenv:Body>
</soapenv:Envelope>
```

Example 109 Get Identifier Response Message



23 Delete AF Identifier

This section covers the AF command `deleteIdentifier`.

MOType

Subscription@http://schemas.ericsson.com/ma/CS/AF/

23.1 Request Data

23.1.1 Parameters

MOId

Table 72 Delete Identifier MOId

Parameter	Type	Occurrence	Description
msisdn	String, 1 - 28 digits <ul style="list-style-type: none"> A single number. For example, 13999292921 Several numbers separated by comma. For example, 13999292921, 13999292925, 13999292930 A number range. For example, 13999292921-13999292971 	Mandatory	Subscriber identifier
identifier	String, 1 - 28 digits	Mandatory	The identifier pointing to an MSISDN.

MOAttributes

Table 73 covers the parameters that can be used in a `deleteIdentifier` request.

**Table 73** Delete Identifier Parameters

Parameter	Type	Occurrence	Description
type	String Enumeration value="NAI" Enumeration value="IMSI" Enumeration value="SIP-URI" Enumeration value="PRIVATE"	Mandatory	The type of the identifier

23.2 Examples

This section gives an example of the `deleteIdentifier` request and response message. This example shows how to delete an identifier.

Request Example

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3="http://schemas.ericsson.com/cai3gl.2/" xmlns:af="http://schemas.ericsson.com/ma/CS/AF/">
  <soapenv:Header>
    <cai3:SessionId>8e883666b30541d2954e563e96b32123</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Delete>
      <cai3:MOType>Identifier@http://schemas.ericsson.com/ma/CS/AF/</cai3:MOType>
      <cai3:MOId>
        <af:msisdn>465273152000111</af:msisdn>
        <af:identifier>naifoobar200@ericsson.com</af:identifier>
      </cai3:MOId>
      <cai3:MOAttributes>
        <af:deleteIdentifier msisdn="465273152000111" identifier="naifoobar200@ericsson.com">
          <af:type>nai</af:type>
        </af:deleteIdentifier>
      </cai3:MOAttributes>
    </cai3:Delete>
  </soapenv:Body>
</soapenv:Envelope>
```

Example 110 Delete Identifier Request Message

Response Example



```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3g="http://schemas.ericsson.com/cai3g1.2/">
  <S:Header>
    <cai3g:SessionId>8e883666b30541d2954e563e96b32123</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <DeleteResponse xmlns="http://schemas.ericsson.com/cai3g1.2/">
      <MOId>
        <af:msisdn xmlns:af="http://schemas.ericsson.com/ma/CS/AF/"
  xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
  xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
          465273152000111</af:msisdn>
        <af:identifier xmlns:af="http://schemas.ericsson.com/ma/CS/AF/"
  xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
  xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
          naifooobar200@ericsson.com</af:identifier>
      </MOId>
    </DeleteResponse>
  </S:Body>
</S:Envelope>

```

Example 111 Delete Identifier Response Message





24 Set PredefinedOffer

This section covers the AIR command `setPredefinedOffer`.

MOType

`PredefinedOffer@http://schemas.ericsson.com/ma/CS/AIR/`

24.1 Request Data

24.1.1 Parameters

MOId

Table 74 Set PredefinedOffer MOId

Parameter	Type	Occurrence	Description
subscriberNumber	String, 1 - 28 digits	Mandatory	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by subscriberNumberNAI parameter.
offerID	Integer, 0 - 2147483647	Mandatory	The identity of an offer.

MOAttributes

Table 75 covers the parameters that can be used in a `setPredefinedOffer` request.



Table 75 Set PredefinedOffer Parameters

Parameter	Type	Occurrence	Description
originNodeType	String Enumeration value="EXT" Enumeration value="AIR" Enumeration value="ADM" Enumeration value="UGW" Enumeration value="IVR" Enumeration value="OGW" Enumeration value="SDP"	Optional (0-1)	<p>The parameter contains the origin node type that is set by AIR or provided by an external network element. It contains the type of the logical node from where the operation originated. External network elements are not allowed to use the reserved names on network element types, (except EXT).</p> <p>Network Element Type:</p> <p>EXT:External system</p> <p>AIR:Account information and refill</p> <p>ADM:Administrative system</p> <p>UGW: USSD gateway</p> <p>IVR :Interactive voice response system</p> <p>OGW: On-line gateway</p> <p>SDP: Service data point</p> <p>If this parameter is absent from the request, Dynamic Activation will generate "ADM" as the parameter to NEs.</p>
originHostName	String, 1 - 255 characters	Optional (0-1)	<p>The identifier string for the host where the operation originated from. The host name shall be unique within the network for a given network element type.</p> <p>If this parameter is absent from the request, Dynamic Activation will generate a node name, which the character "-" replaced by "" as the parameter to NEs.</p>
originTransactionID	String, 0 - 9999 9999 9999 9999 digits Each digit is 0-9	Optional (0-1)	<p>Reference to a single operation, generated by the system it was initiated from.</p> <p>The value in this parameter must be unique per operation and can be a sequence number. For example, an operation in this case is a refill.</p>



Parameter	Type	Occurrence	Description
originTimeStamp	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date and time of sending the request by the entity that initiated the operation. If this parameter is absent from the request, Dynamic Activation will generate system time plus the default "+0100" or the configured ChargingTimeZone value in Activation Logic as the parameter to NEs. Refer to <i>User Guide for Resource Activation</i> , Reference [4] for details of Activation Logic
subscriberNumberNAI	Integer, 0 - 2 0 = National number (with prefix) 1 = International number 2 = National significant number (without prefix)	Optional (0-1)	The Nature of Address Indicator identifies the format of the subscriberNumber parameter.
originOperatorID	String, 1 - 255 characters	Optional (0-1)	The identity of the system user or the session from where the operation was initiated. It might be used for security management or logging purposes for an example. If this parameter is absent from the request, Dynamic Activation will generate the default "operator" or the configured OriginOperatorId value in Activation Logic as the parameter to NEs. Refer to <i>User Guide for Resource Activation</i> , Reference [4] for details of Activation Logic configure.
attributeUpdateInformation	Sub-MO	Optional (0-n)	Update information of the attribute
attributeName	String, 1 - 128 characters	Mandatory	The name of the attribute.



Parameter	Type	Occurrence	Description
attributeUpdateAction	String Enumeration value="ADD" Enumeration value="DELETE" Enumeration value="CLEAR" Enumeration value="SET"	Mandatory	The requested action for an attribute. ADD : Add an entry to the set (for attributes storing a set of values). DELETE : Delete an entry from the set (for attributes storing a set of values). CLEAR :Clear all entries from the set (for attributes storing a set of values) or removes the value for a single value attribute. SET :Sets the value for a single value attribute. Previous value, if existing, will be overwritten.
attributeValueString	String, 1 - 128 extended characters Extended characters which allows all US-ASCII values from 32 to 126 (hexadecimal 0x20 to 0x7e).	Optional (0-1)	The string value of an attribute.
attributeValueDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date value of an attribute. DateMin to DateMax or DateInfinite
attributeValueDecimal	String, 1 - 128 extended characters Extended characters which allows all US-ASCII values from 32 to 126 (hexadecimal 0x20 to 0x7e).	Optional (0-1)	The string value of an attribute.
attributeValueNumber	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date value of an attribute. DateMin to DateMax or DateInfinite
numberOfDecimals	Sub-MO	Optional (0-1)	Information about a decimal value.
attributeValueInteger	Integer, -2147483648 to 2147483647	Optional (0-1)	Contains the integer value of an attribute
treeParameterSetUpdateInformation	Sub-MO	Optional (0-n)	Contains information about treeParameterSets divided per tree names.



Parameter	Type	Occurrence	Description
serviceProvider	Integer, 1 - 6 1: Rating template 2: Policy rule determination template 3: Product notification template 4: Product fee template 5: Product provision template 6: Quota determination template	Optional (0-1)	Contains the service provider which is the type of treeParameter.
treeParameterUpdateInformation	Sub-MO	Optional (0-n)	Contains information about the changes made to a treeParameter.
treeParameterName	String, 1 - 128 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash).	Mandatory	Contains the name of the tree parameter.
treeParameterUpdateAction	String Enumeration value="ADD" Enumeration value="DELETE" Enumeration value="CLEAR" Enumeration value="SET"	Mandatory	Contains the requested action for a tree parameter. ADD: Adds an entry to the set (for tree parameters storing a set of values). DELETE: Deletes an entry from the set (for tree parameters storing a set of values). CLEAR: Clears all entries from the set (for tree parameters storing a set of values) or removes the value for a single value tree parameter. SET: Sets the value for a single value tree parameter. Previous value, if existing, will be overwritten.
treeParameterValueString	String, 1 - 128 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash).	Optional (0-1)	Contains the string value of a tree parameter.
treeParameterValueDate	DateTime.iso8601: YYYY-MM-DDThh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	Contains the date value of a tree parameter.



Parameter		Type	Occurrence	Description
	treeParameterValueDecimal	Sub-MO	Optional (0-n)	Contains information about a decimal value. It is enclosed in a <struct> of its own. The structure contains one parameter treeParameterValueNumber containing the significant digits and a numberOfDecimals part telling how many decimals are used.
	attributeValueNumber	String, -999 999 999 999 999 to 999 999 999 999 999 SignedNumeric	Mandatory	The parameter contains up to 15 significant digits that together with the numberOfDecimals parameter forms a decimal number. There is no decimal sign included in this parameter.
	numberOfDecimals	Integer, 0 - 15	Mandatory	The parameter forms together with attributeValueNumber a decimal number. The parameter contains information about where to put the decimal sign counted in positions from the right.
	treeParameterValueInteger	String, -9223372 036854775807 to 9223372036854775807 SignedNumeric	Optional (0-1)	Contains the integer value of a tree parameter
	treeParameterValueDayOfWeek	Integer, 0 - 7	Optional (0-1)	Contains the value of day of week of a tree parameter. 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday
	treeParameterValueDateRange	Sub-MO	Optional (0-1)	The struct is used to define the range of dates valid for a tree parameter. It contains two dates in a sequence to specify the range needed for tree parameter.



Parameter			Type	Occurrence	Description
		treeParameterStartDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11- 24T23:59:59+08:00	Mandatory	Contains the initial date of range applied for a tree parameter.
		treeParameterEndDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11- 24T23:59:59+08:00	Mandatory	Contains the final date of range applied for a tree parameter.
		treeParameterValueTime	String , 1 - 8 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash)	Optional (0-1)	Contains the value of time applied for a tree parameter.
		treeParameterValueSchedule		Optional (0-1)	Contains values for a schedule event.
		scheduledFrequency	Integer, 1 - 7	Mandatory	Contains the frequency of the schedule (monthly, weekly, daily etc). 1: Yearly 2: Monthly 3: Weekly 4: Daily 5: Hourly 6: Minutely 7: Secondly
		scheduledInterval	Integer, 1 - 99999	Optional (0-1)	Contains the interval of the schedule (For example every week, every second, every month, etc.).
		scheduledMonth	Integer, 1 - 12	Optional (0-n)	Contains the number of month for the schedule.
		scheduledDayOfMonth	Integer, -1 - 31	Optional (0-n)	Contains the number of the days of month for the schedule. Value -1 means last day of month.



Parameter			Type	Occurrence	Description
		scheduledDayOf Week	Integer, 1 - 7	Optional (0-n)	Contains the week day for the schedule. 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday
		scheduledHour	Integer, 0 - 23	Optional (0-1)	Contains the time (hour) for the schedule.
		scheduledMinute	Integer, 0 - 59	Optional (0-1)	Contains the time (minute) for the schedule.
		scheduledSecond	Integer, 0 - 59	Optional (0-1)	Contains the time (second) for the schedule.
		associatedPartyID	String, 1 - 28 digits	Optional (0-1)	The subscriber identity of the consumer or provider. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes.
		negotiatedCapabilities	Integer, 0 - 2147483647	Optional (0-n)	Indicate the negotiated capabilities between the client and server node. The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active.

24.2 Response Data

24.2.1 Parameters

Mold



Table 76 *Set PredefinedOffer MOld*

Parameter	Type	Occurrence	Description
subscriberNumber	String, 1 - 28 digits	Mandatory	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by subscriberNumberNAI parameter.

MOAttributes

Table 77 covers the parameters that can be used in a `setPredefinedOffer` response.

Table 77 *Set PredefinedOffer Response*

Parameter	Type	Occurrence	Description
subscriberNumber	String, 1 - 28 digits	Mandatory	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by subscriberNumberNAI parameter.
originTransactionID	String, 0 - 9999 9999 9999 9999 9999 digits	Optional (0-1)	Reference to a single operation, generated by the system it was initiated from. The value in this parameter must be unique per operation and can be a sequence number. For example, an operation in this case is a refill.



Parameter	Type	Occurrence	Description
originOperatorID	String, 1 - 255 characters	Optional (0-1)	<p>The identity of the system user or the session from where the operation was initiated. It might be used for security management or logging purposes for an example.</p> <p>If this parameter is absent from the request, Dynamic Activation will generate the default "operator" or the configured OriginOperatorId value in Activation Logic as the parameter to NEs. Refer to <i>User Guide for Resource Activation</i>, Reference [4] for details of Activation Logic configuration.</p>
offerID	Integer, 0 - 2147483647	Mandatory	The identity of an offer.
negotiatedCapabilities	Integer, 0 - 2147483647	Optional (0-n)	<p>Indicate the negotiated capabilities between the client and server node.</p> <p>The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active.</p>
availableServerCapabilities	Integer, 0 - 2147483647	Optional (0-n)	<p>Indicates the available capabilities on the server node.</p> <p>The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active. If only one element is present and is set to 0, no functions after release AIR-IP 5.0 are active, only legacy functionality can be used.</p>



Parameter	Type	Occurrence	Description
attributeInformation	Sub-MO	Optional (0-n)	Contains information about attributes. It will be returned as response to GetAccountDetails, GetBalanceAndDate, GetOffers and Refill if requested with requestAttributesFlag and if any attributes exist that have a value. attributeInformation will also be included as response to DeleteOffer and DeleteSubscriber if any attributes is removed. For UpdateOffer response, attributeInformation will include all attributes that have values.
attributeName	String, 1 - 128 characters	Mandatory	The name of the attribute.
attributeValueString	String, 1 - 128 extended characters Extended characters which allows all US-ASCII values from 32 to 126 (hexadecimal 0x20 to 0x7e).	Optional (0-1)	The string value of an attribute.
attributeValueDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date value of an attribute. DateMin to DateMax or DateInfinite
attributeValueDecimal		Optional (0-1)	Information about a decimal value.
attributeValueNumber	String, -999 999 999 999 999 to 999 999 999 999 999 SignedNumeric	Mandatory	The parameter contains up to 15 significant digits that together with the numberOfDecimals parameter forms a decimal number. There is no decimal sign included in this parameter.
numberOfDecimals	Integer, 0 - 15	Mandatory	The parameter forms together with attributeValue Number a decimal number. The parameter contains information about where to put the decimal sign counted in positions from the right.
attributeValueInteger	Integer, -2147483648 to 2147483647	Optional (0-1)	Contains the integer value of an attribute



Parameter	Type	Occurrence	Description
attributeSource	Integer, 1 - 255 1 = Default value from definition 2 - 255 = Reserved for future use	Optional (0-1)	Contain the source from where the attribute is fetched. Default (parameter is not included) means the attribute is stored on the entity provisioned for a subscriber.
treeParameterSetInformation	Sub-MO	Optional (0-n)	Contains information about treeParameterSets divided per tree names It is returned as response to GetAccountDetails, GetBalanceAndDate and GetOffers if requested with requestTreeParameterSetsFlag and if any attributes exist that have a value. It is also included as response to DeleteOffer and DeleteSubscriber if any attributes is removed. For UpdateOffer response, it includes all attributes that have values.
serviceProvider	Integer, 1 - 6 1: Rating template 2: Policy rule determination template 3: Product notification template 4: Product fee template 5: Product provision template 6: Quota determination template	Optional (0-1)	Contains the service provider which is the type of treeParameter.
treeParameterInformation	Sub-MO	Optional (0-n)	Contains information about the changes made to a treeParameter.
treeParameterName	String , 1 - 128 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash).	Optional (0-1)	Contains the name of the tree parameter.
treeParameterValueString	String , 1 - 128 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash).	Optional (0-1)	Contains the string value of a tree parameter.



Parameter		Type	Occurrence	Description
	treeParameterValueDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	Contains the date value of a tree parameter.
	treeParameterValueDecimal	Sub-MO	Optional (0-n)	Contains information about a decimal value. It is enclosed in a <struct> of its own. The structure contains one parameter treeParameterValueNumber containing the significant digits and a numberOfDecimals part telling how many decimals are used.
	treeParameterValueNumber	String, -999 999 999 999 999 to 999 999 999 999 999 SignedNumeric	Mandatory	Contains up to 15 significant digits that together with the numberOfDecimals parameter forms a decimal number. There is no decimal sign included in this parameter.
	numberOfDecimals	Integer, 0 - 15	Mandatory	Contains information about where to put the decimal sign counted in positions from the right and forms together with attributeValueNumber a decimal number.
	treeParameterValueInteger	String, -9223372 036854775807 to 9223372036854775807 SignedNumeric	Optional (0-1)	Contains the integer value of a tree parameter
	treeParameterValueSchedule		Optional (0-1)	Contains values for a schedule event.
	scheduledFrequency	Integer, 1 - 7	Mandatory	Contains the frequency of the schedule (monthly, weekly, daily etc). 1: Yearly 2: Monthly 3: Weekly 4: Daily 5: Hourly 6: Minutely 7: Secondly
	scheduledInterval	Integer, 1 - 99999	Optional (0-1)	Contains the interval of the schedule (For example every week, every second, every month, etc.).
	scheduledMonth	Integer, 1 - 12	Optional (0-n)	Contains the number of month for the schedule.



Parameter			Type	Occurrence	Description
		scheduledDayOf Month	Integer, -1 - 31	Optional (0-n)	Contains the number of the days of month for the schedule. Value -1 means last day of month.
		scheduledDayOf Week	Integer, 1 - 7	Optional (0-n)	Contains the week day for the schedule. 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday
		scheduledHour	Integer, 0 - 23	Optional (0-1)	Contains the time (hour) for the schedule.
		scheduledMinute	Integer, 0 - 59	Optional (0-1)	Contains the time (minute) for the schedule.
		scheduledSecond	Integer, 0 - 59	Optional (0-1)	Contains the time (second) for the schedule.
		treeParameterValueDayOfWeek	Integer, 0 - 7	Optional (0-1)	Contains the value of day of week of a tree parameter. 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday
		treeParameterValueDateRange	Sub-MO	Optional (0-1)	The struct is used to define the range of dates valid for a tree parameter. It contains two dates in a sequence to specify the range needed for tree parameter.
		treeParameterStartDate	DateTime.iso8601: YYYY-MM-DDThh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Mandatory	Contains the initial date of range applied for a tree parameter.



Parameter	Type	Occurrence	Description
treeParameterEndDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11- 24T23:59:59+08:00	Mandatory	Contains the final date of range applied for a tree parameter.
treeParameterValueTime	String , 1 - 8 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash)	Optional (0-1)	Contains the value of time applied for a tree parameter.
treeParameterSource	Integer, 1 - 2 1: Tree parameter value fetched from the offer definition 2: Tree parameter fetched from the template tree definition	Optional (0-1)	Contains the source where the tree parameter is fetched. Default (parameter is not included) means the tree parameter is stored on the entity provisioned for a subscriber.
associatedPartyID	String, 1 - 28 digits	Optional (0-1)	The subscriber identity of the consumer or provider. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes.
productOfferingName	String , 1 - 128 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash)	Optional (0-n)	Contains the identity of a product offering.

24.3 Examples

This section gives an example of the `setPredefinedOffer` request and response message. This example shows how to set an AIR PredefinedOffer.

Request Example



```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/"
  xmlns:cai3="http://schemas.ericsson.com/cai3gl.2/">
  <soapenv:Header>
    <cai3:SessionId>86e7024622bd4af8bbd57a716dd72cbc</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Set>
      <cai3:MOType>PredefinedOffer@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>55897213</air:subscriberNumber>
        <air:offerID>513</air:offerID>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:setPredefinedOffer offerID="513" subscriberNumber="55897213">
          <air:originNodeType>ADM</air:originNodeType>
          <air:originHostName>AIR</air:originHostName>
          <air:originTransactionID>14428155633403480337</air:originTransactionID>
          <air:originTimeStamp>2017-10-08T12:00:00+00:00</air:originTimeStamp>
          <air:originOperatorID>egumeng</air:originOperatorID>
          <air:attributeUpdateInformation>
            <air:attributeName>LOS</air:attributeName>
            <air:attributeUpdateAction>ADD</air:attributeUpdateAction>
            <air:attributeValueString>VauleParameter1</air:attributeValueString>
          </air:attributeUpdateInformation>
          <air:attributeUpdateInformation>
            <air:attributeName>TemplateVersion</air:attributeName>
            <air:attributeUpdateAction>SET</air:attributeUpdateAction>
            <air:attributeValueString>ChangeDefault</air:attributeValueString>
          </air:attributeUpdateInformation>
          <air:attributeUpdateInformation>
            <air:attributeName>parent_offer</air:attributeName>
            <air:attributeUpdateAction>SET</air:attributeUpdateAction>
            <air:attributeValueInteger>1009</air:attributeValueInteger>
          </air:attributeUpdateInformation>
          <air:negotiatedCapabilities>809988676</air:negotiatedCapabilities>
          <air:negotiatedCapabilities>16296</air:negotiatedCapabilities>
        </air:setPredefinedOffer>
      </cai3:MOAttributes>
    </cai3:Set>
  </soapenv:Body>
</soapenv:Envelope>
```

Example 112 Set PredefinedOffer Request Message

Response Example



```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3g="http://schemas.ericsson.com/cai3g1.2/">
  <S:Header>
    <cai3g:SessionId>86e7024622bd4af8bbd57a716dd72cbc</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <SetResponse xmlns="http://schemas.ericsson.com/cai3g1.2/">
      <MOAttributes>
        <air:setPredefinedOfferResponse xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
          <air:subscriberNumber>55897213</air:subscriberNumber>
          <air:originTransactionID>14428155633403480337</air:originTransactionID>
          <air:originOperatorID>egumeng</air:originOperatorID>
          <air:offerID>513</air:offerID>
          <air:negotiatedCapabilities>809988676</air:negotiatedCapabilities>
          <air:negotiatedCapabilities>16296</air:negotiatedCapabilities>
          <air:availableServerCapabilities>809988676</air:availableServerCapabilities>
          <air:availableServerCapabilities>16296</air:availableServerCapabilities>
          <air:attributeInformation>
            <air:attributeName>LOS</air:attributeName>
            <air:attributeValueString>VauleParameter1</air:attributeValueString>
          </air:attributeInformation>
          <air:attributeInformation>
            <air:attributeName>TemplateVersion</air:attributeName>
            <air:attributeValueString>ChangeDefault</air:attributeValueString>
          </air:attributeInformation>
          <air:attributeInformation>
            <air:attributeName>parent_offer</air:attributeName>
            <air:attributeValueInteger>1009</air:attributeValueInteger>
          </air:attributeInformation>
          <air:treeParameterSetInformation>
            <air:serviceProvider>3</air:serviceProvider>
            <air:treeParameterInformation>
              <air:treeParameterName>OfferType</air:treeParameterName>
              <air:treeParameterValueString>Sunday</air:treeParameterValueString>
            </air:treeParameterInformation>
          </air:treeParameterSetInformation>
          <air:treeParameterSetInformation>
            <air:serviceProvider>4</air:serviceProvider>
            <air:treeParameterInformation>
              <air:treeParameterName>Offer_fee_once</air:treeParameterName>
              <air:treeParameterValueDecimal>
                <air:treeParameterValueNumber>41</air:treeParameterValueNumber>
                <air:numberOfDecimals>1</air:numberOfDecimals>
              </air:treeParameterValueDecimal>
            </air:treeParameterInformation>
            <air:treeParameterInformation>
              <air:treeParameterName>Offer_fee</air:treeParameterName>
              <air:treeParameterValueInteger>1009</air:treeParameterValueInteger>
            </air:treeParameterInformation>
          </air:treeParameterSetInformation>
          <air:productOfferingName>Test_EDA</air:productOfferingName>
        </air:setPredefinedOfferResponse>
      </MOAttributes>
    </SetResponse>
  </S:Body>

```

Example 113 Set PredefinedOffer Response Message



25 Get PredefinedOffer

This section covers the AIR command `getPredefinedOffer` .

MOType

PredefinedOffer@http://schemas.ericsson.com/ma/CS/AIR/

25.1 Request Data

25.1.1 Parameters

MOId

Table 78 Get PredefinedOffer MOId

Parameter	Type	Occurrence	Description
subscriberNumber	String, 1 - 28 digits	Mandatory	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by subscriberNumberNAI parameter.

MOAttributes

Table 79 covers the parameters that can be used in a `getPredefinedOffer` request.



Table 79 Get PredefinedOffer Parameters

Parameter	Type	Occurrence	Description
originNodeType	String Enumeration value="EXT" Enumeration value="AIR" Enumeration value="ADM" Enumeration value="UGW" Enumeration value="IVR" Enumeration value="OGW" Enumeration value="SDP"	Mandatory	<p>The parameter contains the origin node type that is set by AIR or provided by an external network element. It contains the type of the logical node from where the operation originated. External network elements are not allowed to use the reserved names on network element types, (except EXT).</p> <p>Network Element Type:</p> <p>EXT: External system</p> <p>AIR: Account information and refill</p> <p>ADM: Administrative system</p> <p>UGW: USSD gateway</p> <p>IVR : Interactive voice response system</p> <p>OGW: On-line gateway</p> <p>SDP: Service data point</p> <p>If this parameter is absent from the request, Dynamic Activation will generate "ADM" as the parameter to NEs.</p>
originHostName	String, 1 - 255 characters	Mandatory	<p>The identifier string for the host where the operation originated from. The host name shall be unique within the network for a given network element type.</p> <p>If this parameter is absent from the request, Dynamic Activation will generate a node name, which the character "-" replaced by "" as the parameter to NEs.</p>
originTransactionID	String, 0 - 9999 9999 9999 9999 digits Each digit is 0-9	Mandatory	<p>Reference to a single operation, generated by the system it was initiated from.</p> <p>The value in this parameter must be unique per operation and can be a sequence number. For example, an operation in this case is a refill.</p>



Parameter	Type	Occurrence	Description
originTimeStamp	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Mandatory	The date and time of sending the request by the entity that initiated the operation. If this parameter is absent from the request, Dynamic Activation will generate system time plus the default "+0100" or the configured <i>ChargingTimeZone</i> value in Activation Logic as the parameter to NEs. Refer to <i>User Guide for Resource Activation</i> , Reference [4] for details of Activation Logic
subscriberNumberNAI	Integer, 0 - 2 0 = National number (with prefix) 1 = International number 2 = National significant number (without prefix)	Optional (0-1)	The Nature of Address Indicator identifies the format of the subscriberNumber parameter.
offerSelection	Sub-MO	Optional (0-n)	Used to define offer identifiers to retrieve.
offerIDFirst	Integer, 1 - 2147483647	Mandatory	The identity of the first offer in a sequence of offers, or the only offer identity if a single offer shall be obtained.
offerIDLast	Integer, 1 - 2147483647	Optional (0-1)	The identity of the last offer in a sequence of offers, or the only offer identity if a single offer shall be obtained.
negotiatedCapabilities	Integer, 0 - 2147483647	Optional (0-n)	Indicate the negotiated capabilities between the client and server node. The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active.

25.2 Response Data

25.2.1 Parameters

MOAttributes

Table 80 covers the parameters that can be used in a `getPredefinedOffer` response.



Table 80 Get PredefinedOffer Parameters

Parameter	Type	Occurrence	Description
subscriberNumber	String, 1 - 28 digits	Mandatory	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by subscriberNumberNAI parameter.
originTransactionID	String, 0 - 9999 9999 9999 9999 9999 digits	Mandatory	Reference to a single operation, generated by the system it was initiated from. The value in this parameter must be unique per operation and can be a sequence number. For example, an operation in this case is a refill.
predefinedOfferValuesInformation	Sub-MO	Optional (0-n)	Contains all predefined offer values assigned to each offer.
offerID	Integer, 0 - 2147483647	Optional (0-1)	The identity of an offer.
attributeInformation	Sub-MO	Optional (0-n)	Contains information about attributes. It will be returned as response to GetAccountDetails, GetBalanceAndDate, GetOffers and Refill if requested with requestAttributesFlag and if any attributes exist that have a value. attributeInformation will also be included as response to DeleteOffer and DeleteSubscriber if any attributes is removed. For UpdateOffer response, attributeInformation will include all attributes that have values.
attributeName	String, 1 - 128 characters	Mandatory	The name of the attribute.
attributeValueString	String, 1 - 128 extended characters Extended characters which allows all US-ASCII values from 32 to 126 (hexadecimal 0x20 to 0x7e).	Optional (0-1)	The string value of an attribute.



Parameter	Type	Occurrence	Description
attributeValueDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date value of an attribute. DateMin to DateMax or DateInfinite
attributeValueDecimal		Optional (0-1)	Information about a decimal value.
attributeValueNumber	String, -999 999 999 999 999 to 999 999 999 999 999 SignedNumeric	Mandatory	The parameter contains up to 15 significant digits that together with the numberOfDecimals parameter forms a decimal number. There is no decimal sign included in this parameter.
numberOfDecimals	Integer, 0 - 15	Mandatory	The parameter forms together with attributeValueNumber a decimal number. The parameter contains information about where to put the decimal sign counted in positions from the right.
attributeValueInteger	Integer, -2147483648 to 2147483647	Optional (0-1)	Contains the integer value of an attribute
attributeSource	Integer, 1 - 255 1 = Default value from definition 2 - 255 = Reserved for future use	Optional (0-1)	Contain the source from where the attribute is fetched. Default (parameter is not included) means the attribute is stored on the entity provisioned for a subscriber.
treeParameterSetInformation	Sub-MO	Optional (0-n)	Contains information about treeParameterSets divided per tree names It is returned as response to GetAccountDetails, GetBalanceAndDate and GetOffers if requested with request TreeParameterSetsFlag and if any attributes exist that have a value. It is also included as response to DeleteOffer and DeleteSubscriber if any attributes is removed. For UpdateOffer reponse, it includes all attributes that have values.



Parameter		Type	Occurrence	Description
	serviceProvider	Integer, 1 - 6 1: Rating template 2: Policy rule determination template 3: Product notification template 4: Product fee template 5: Product provision template 6: Quota determination template	Optional (0-1)	Contains the service provider which is the type of treeParameter.
	treeParameterInformation	Sub-MO	Optional (0-n)	Contains information about the changes made to a treeParameter.
	treeParameterName	String , 1 - 128 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash).	Optional (0-1)	Contains the name of the tree parameter.
	treeParameterValueString	String , 1 - 128 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash).	Optional (0-1)	Contains the string value of a tree parameter.
	treeParameterValueDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	Contains the date value of a tree parameter.
	treeParameterValueDecimal	Sub-MO	Optional (0-n)	Contains information about a decimal value. It is enclosed in a <struct> of its own. The structure contains one parameter treeParameterValueNumber containing the significant digits and a numberOfDecimals part telling how many decimals are used.
	treeParameterValueNumber	String, -999 999 999 999 999 to 999 999 999 999 999 SignedNumeric	Mandatory	Contains up to 15 significant digits that together with the numberOfDecimals parameter forms a decimal number. There is no decimal sign included in this parameter.



Parameter				Type	Occurrence	Description
			numberOfDecimals	Integer, 0 - 15	Mandatory	Contains information about where to put the decimal sign counted in positions from the right and forms together with attributeValueNumber a decimal number.
			treeParameterValueInteger	String, -9223372036854775807 to 9223372036854775807 SignedNumeric	Optional (0-1)	Contains the integer value of a tree parameter
			treeParameterValueSchedule		Optional (0-1)	Contains values for a schedule event.
			scheduledFrequency	Integer, 1 - 7	Mandatory	Contains the frequency of the schedule (monthly, weekly, daily etc). 1: Yearly 2: Monthly 3: Weekly 4: Daily 5: Hourly 6: Minutely 7: Secondly
			scheduledInterval	Integer, 1 - 99999	Optional (0-1)	Contains the interval of the schedule (For example every week, every second, every month, etc.).
			scheduledMonth	Integer, 1 - 12	Optional (0-n)	Contains the number of month for the schedule.
			scheduledDayOfMonth	Integer, -1 - 31	Optional (0-n)	Contains the number of the days of month for the schedule. Value -1 means last day of month.
			scheduledDayOfWeek	Integer, 1 - 7	Optional (0-n)	Contains the week day for the schedule. 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday
			scheduledHour	Integer, 0 - 23	Optional (0-1)	Contains the time (hour) for the schedule.
			scheduledMinute	Integer, 0 - 59	Optional (0-1)	Contains the time (minute) for the schedule.



Parameter			Type	Occurrence	Description
		scheduledSecond	Integer, 0 - 59	Optional (0-1)	Contains the time (second) for the schedule.
		treeParameterValueDayOfWeek	Integer, 0 - 7	Optional (0-1)	Contains the value of day of week of a tree parameter. 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday
		treeParameterValueDateRange		Optional (0-1)	The struct is used to define the range of dates valid for a tree parameter. It contains two dates in a sequence to specify the range needed for tree parameter.
		treeParameterStartDate	DateTime.iso8601: YYYY-MM-DDThh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Mandatory	Contains the initial date of range applied for a tree parameter.
		treeParameterEndDate	DateTime.iso8601: YYYY-MM-DDThh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Mandatory	Contains the final date of range applied for a tree parameter.
		treeParameterValueTime	String , 1 - 8 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash)	Optional (0-1)	Contains the value of time applied for a tree parameter.
		treeParameterSource	Integer, 1 - 2 1: Tree parameter value fetched from the offer definition 2: Tree parameter fetched from the template tree definition	Optional (0-1)	Contains the source where the tree parameter is fetched. Default (parameter is not included) means the tree parameter is stored on the entity provisioned for a subscriber.



Parameter	Type	Occurrence	Description
associatedPartyID	String, 1 - 28 digits	Optional (0-1)	<p>The subscriber identity of the consumer or provider.</p> <p>The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes.</p>
productOfferingName	String , 1 - 128 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash)	Optional (0-n)	Contains the identity of a product offering.
negotiatedCapabilities	Integer, 0 - 2147483647	Optional (0-n)	<p>Indicate the negotiated capabilities between the client and server node.</p> <p>The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active.</p>
availableServerCapabilities	Integer, 0 - 2147483647	Optional (0-n)	<p>Indicate the available capabilities at the server node.</p> <p>The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active. If only one element is present and is set to 0, no functions after release AIR-IP 5.0 are active, only legacy functionality can be used.</p>

25.3 Examples

This section gives an example of the `getPredefinedOffer` request and response message. This example shows how to get an AIR `PredefinedOffer`.

Request Example



```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/"
  xmlns:cai3="http://schemas.ericsson.com/cai3gl.2/">
  <soapenv:Header>
    <cai3:SessionId>86e7024622bd4af8bbd57a716dd72cbc</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Get>
      <cai3:MOType>PredefinedOffer@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>55897213</air:subscriberNumber>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:getPredefinedOffer subscriberNumber="55897213">
          <air:originNodeType>ADM</air:originNodeType>
          <air:originHostName>AIR</air:originHostName>
          <air:originTransactionID>14428155633403480337</air:originTransactionID>
          <air:originTimeStamp>2017-10-08T12:00:00+00:00</air:originTimeStamp>
          <air:offerSelection>
            <air:offerIDFirst>513</air:offerIDFirst>
            <air:offerIDLast>514</air:offerIDLast>
          </air:offerSelection>
          <air:negotiatedCapabilities>809988676</air:negotiatedCapabilities>
          <air:negotiatedCapabilities>16296</air:negotiatedCapabilities>
        </air:getPredefinedOffer>
      </cai3:MOAttributes>
    </cai3:Get>
  </soapenv:Body>
</soapenv:Envelope>
```

Example 114 Get PredefinedOffer Request Message

Response Example



```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3g="http://schemas.ericsson.com/cai3g1.2/">
  <S:Header>
    <cai3g:SessionId>86e7024622bd4af8bbd57a716dd72cbc</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <GetResponse xmlns="http://schemas.ericsson.com/cai3g1.2/">
      <MOAttributes>
        <air:getPredefinedOfferResponse xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
          <air:subscriberNumber>55897213</air:subscriberNumber>
          <air:originTransactionID>14428155633403480337</air:originTransactionID>
          <air:predefinedOfferValuesInformation>
            <air:offerID>513</air:offerID>
            <air:treeParameterSetInformation>
              <air:serviceProvider>3</air:serviceProvider>
              <air:treeParameterInformation>
                <air:treeParameterName>OfferType</air:treeParameterName>
                <air:treeParameterValueString>Sunday</air:treeParameterValueString>
              </air:treeParameterInformation>
            </air:treeParameterSetInformation>
            <air:treeParameterSetInformation>
              <air:serviceProvider>4</air:serviceProvider>
              <air:treeParameterInformation>
                <air:treeParameterName>Offer_fee_once</air:treeParameterName>
                <air:treeParameterValueDecimal>
                  <air:treeParameterValueNumber>41</air:treeParameterValueNumber>
                  <air:numberOfDecimals>1</air:numberOfDecimals>
                </air:treeParameterValueDecimal>
              </air:treeParameterInformation>
              <air:treeParameterInformation>
                <air:treeParameterName>Offer_fee</air:treeParameterName>
                <air:treeParameterValueInteger>1009</air:treeParameterValueInteger>
              </air:treeParameterInformation>
            </air:treeParameterSetInformation>
            <air:productOfferingName>Test_EDA</air:productOfferingName>
          </air:predefinedOfferValuesInformation>
          <air:negotiatedCapabilities>809988676</air:negotiatedCapabilities>
          <air:negotiatedCapabilities>16296</air:negotiatedCapabilities>
          <air:availableServerCapabilities>809988676</air:availableServerCapabilities>
          <air:availableServerCapabilities>16296</air:availableServerCapabilities>
        </air:getPredefinedOfferResponse>
      </MOAttributes>
    </GetResponse>
  </S:Body>
</S:Envelope>

```

Example 115 Get PredefinedOffer Response Message





26 Delete PredefinedOffer

This section covers the AIR command `deletePredefinedOffer`.

MOType

`PredefinedOffer@http://schemas.ericsson.com/ma/CS/AIR/`

26.1 Request Data

26.1.1 Parameters

MOId

Table 81 Delete PredefinedOffer MOId

Parameter	Type	Occurrence	Description
subscriberNumber	String, 1 - 28 digits	Mandatory	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by subscriberNumberNAI parameter.
offerID	Integer, 0 - 2147483647	Mandatory	The identity of an offer.

MOAttributes

Table 82 covers the parameters that can be used in a `deletePredefinedOffer` request.



Table 82 Delete PredefinedOffer Parameters

Parameter	Type	Occurrence	Description
originNodeType	String Enumeration value="EXT" Enumeration value="AIR" Enumeration value="ADM" Enumeration value="UGW" Enumeration value="IVR" Enumeration value="OGW" Enumeration value="SDP"	Optional (0-1)	<p>The parameter contains the origin node type that is set by AIR or provided by an external network element. It contains the type of the logical node from where the operation originated. External network elements are not allowed to use the reserved names on network element types, (except EXT).</p> <p>Network Element Type:</p> <p>EXT: External system</p> <p>AIR: Account information and refill</p> <p>ADM: Administrative system</p> <p>UGW: USSD gateway</p> <p>IVR : Interactive voice response system</p> <p>OGW: On-line gateway</p> <p>SDP: Service data point</p> <p>If this parameter is absent from the request, Dynamic Activation will generate "ADM" as the parameter to NEs.</p>
originHostName	String, 1 - 255 characters	Optional (0-1)	<p>The identifier string for the host where the operation originated from. The host name shall be unique within the network for a given network element type.</p> <p>If this parameter is absent from the request, Dynamic Activation will generate a node name, which the character "-" replaced by "" as the parameter to NEs.</p>
originTransactionID	String, 0 - 9999 9999 9999 9999 digits Each digit is 0-9	Optional (0-1)	<p>Reference to a single operation, generated by the system it was initiated from.</p> <p>The value in this parameter must be unique per operation and can be a sequence number. For example, an operation in this case is a refill.</p>



Parameter	Type	Occurrence	Description
originTimeStamp	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	The date and time of sending the request by the entity that initiated the operation. If this parameter is absent from the request, Dynamic Activation will generate system time plus the default "+0100" or the configured <i>ChargingTimeZone</i> value in Activation Logic as the parameter to NEs. Refer to <i>User Guide for Resource Activation</i> , Reference [4] for details of Activation Logic
subscriberNumberNAI	Integer, 0 - 2 0 = National number (with prefix) 1 = International number 2 = National significant number (without prefix)	Optional (0-1)	The Nature of Address Indicator identifies the format of the subscriberNumber parameter.
originOperatorID	String, 1 - 255 characters	Optional (0-1)	The identity of the system user or the session from where the operation was initiated. It might be used for security management or logging purposes for an example. If this parameter is absent from the request, Dynamic Activation will generate PGN system time plus the default "+0100" or the configured <i>ChargingTimeZone</i> value in Activation Logic as the parameter to NEs. Refer to <i>User Guide for Resource Activation</i> , Reference [4] for details of Activation Logic
negotiatedCapabilities	Integer, 0 - 2147483647	Mandatory	Indicate the negotiated capabilities between the client and server node. The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active.



26.2 Response Data

26.2.1 Parameters

MOId

Table 83 Delete PredefinedOffer MOId

Parameter	Type	Occurrence	Description
subscriberNumber	String, 1 - 28 digits	Mandatory	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by subscriberNumberNAI parameter.
offerID	Integer, 0 - 2147483647	Mandatory	The identity of an offer.

MOAttributes

Table 84 covers the parameters that can be used in a deletePredefinedOffer response.

Table 84 Delete PredefinedOffer Parameters

Parameter	Type	Occurrence	Description
subscriberNumber	String, 1 - 28 digits	Mandatory	The subscriber identity of the subscriber related to the operation. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes. If another format is used then it must be indicated by subscriberNumberNAI parameter.
originTransactionID	String, 0 - 9999 9999 9999 9999 9999 digits	Mandatory	Reference to a single operation, generated by the system it was initiated from. The value in this parameter must be unique per operation and can be a sequence number. For example, an operation in this case is a refill.



Parameter	Type	Occurrence	Description
originOperatorID	String, 1 - 255 characters	Optional (0-1)	<p>The identity of the system user or the session from where the operation was initiated. It might be used for security management or logging purposes for an example.</p> <p>If this parameter is absent from the request, Dynamic Activation will generate PGN system time plus the default "+0100" or the configured ChargingTimeZone value in Activation Logic as the parameter to NEs. Refer to <i>User Guide for Resource Activation</i>, Reference [4] for details of Activation Logic</p>
offerID	Integer, 0 - 2147483647	Mandatory	The identity of an offer.
attributeInformation	Sub-MO	Optional (0-n)	<p>Contains information about attributes.</p> <p>It will be returned as response to GetAccountDetails, GetBalanceAndDate, GetOffers and Refill if requested with requestAttributesFlag and if any attributes exist that have a value. attributeInformation will also be included as response to DeleteOffer and DeleteSubscriber if any attributes is removed. For UpdateOffer response, attributeInformation will include all attributes that have values.</p>
attributeName	String, 1 - 128 characters	Mandatory	The name of the attribute.
attributeValueString	String, 1 - 128 extended characters Extended characters which allows all US-ASCII values from 32 to 126 (hexadecimal 0x20 to 0x7e).	Mandatory	The string value of an attribute.
attributeValueDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Mandatory	<p>The date value of an attribute.</p> <p>DateMin to DateMax or DateInfinite</p>
attributeValueDecimal	Sub-MO	Mandatory	Information about a decimal value.



Parameter	Type	Occurrence	Description
attributeValueNumber	String, -999 999 999 999 999 to 999 999 999 999 999 SignedNumeric	Mandatory	The parameter contains up to 15 significant digits that together with the numberOfDecimals parameter forms a decimal number. There is no decimal sign included in this parameter.
numberOfDecimals	Integer, 0 - 15	Mandatory	The parameter forms together with attributeValue Number a decimal number. The parameter contains information about where to put the decimal sign counted in positions from the right.
attributeValueInteger	Integer, -2147483648 to 2147483647	Optional (0-1)	Contains the integer value of an attribute
attributeSource	Integer, 1 - 255 1 = Default value from definition 2 - 255 = Reserved for future use	Optional (0-1)	Contain the source from where the attribute is fetched. Default (parameter is not included) means the attribute is stored on the entity provisioned for a subscriber.
treeParameterSetInformation	Sub-MO	Optional (0-n)	Contains information about treeParameterSets divided per tree names It is returned as response to GetAccountDetails, GetBalanceAndDate and GetOffers if requested with request TreeParameterSetsFlag and if any attributes exist that have a value. It is also included as response to DeleteOffer and DeleteSubscriber if any attributes is removed. For UpdateOffer response, it includes all attributes that have values.
serviceProvider	Integer, 1 - 6 1: Rating template 2: Policy rule determination template 3: Product notification template 4: Product fee template 5: Product provision template 6: Quota determination template	Optional (0-1)	Contains the service provider which is the type of treeParameter.



Parameter	Type	Occurrence	Description
treeParameterInformation	Sub-MO	Optional (0-n)	Contains information about the changes made to a treeParameter.
treeParameterName	String , 1 - 128 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash).	Optional (0-1)	Contains the name of the tree parameter.
treeParameterValueString	String , 1 - 128 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash).	Optional (0-1)	Contains the string value of a tree parameter.
treeParameterValueDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Optional (0-1)	Contains the date value of a tree parameter.
treeParameterValueDecimal	Sub-MO	Optional (0-n)	Contains information about a decimal value. It is enclosed in a <struct> of its own. The structure contains one parameter treeParameterValueNumber containing the significant digits and a numberOfDecimals part telling how many decimals are used.
treeParameterValueNumber	String, -999 999 999 999 999 to 999 999 999 999 999 SignedNumeric	Mandatory	Contains up to 15 significant digits that together with the numberOfDecimals parameter forms a decimal number. There is no decimal sign included in this parameter.
numberOfDecimals	Integer, 0 - 15	Mandatory	Contains information about where to put the decimal sign counted in positions from the right and forms together with attributeValueNumber a decimal number.
treeParameterValueInteger	String, -9223372036854775807 to 9223372036854775807 SignedNumeric	Optional (0-1)	Contains the integer value of a tree parameter
treeParameterValueSchedule		Optional (0-1)	Contains values for a schedule event.



Parameter		Type	Occurrence	Description
	scheduledFrequency	Integer, 1 - 7	Mandatory	Contains the frequency of the schedule (monthly, weekly, daily etc). 1: Yearly 2: Monthly 3: Weekly 4: Daily 5: Hourly 6: Minutely 7: Secondly
	scheduledInterval	Integer, 1 - 99999	Optional (0-1)	Contains the interval of the schedule (For example every week, every second, every month, etc.).
	scheduledMonth	Integer, 1 - 12	Optional (0-n)	Contains the number of month for the schedule.
	scheduledDayOfMonth	Integer, -1 - 31	Optional (0-n)	Contains the number of the days of month for the schedule. Value -1 means last day of month.
	scheduledDayOfWeek	Integer, 1 - 7	Optional (0-n)	Contains the week day for the schedule. 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday
	scheduledHour	Integer, 0 - 23	Optional (0-1)	Contains the time (hour) for the schedule.
	scheduledMinute	Integer, 0 - 59	Optional (0-1)	Contains the time (minute) for the schedule.
	scheduledSecond	Integer, 0 - 59	Optional (0-1)	Contains the time (second) for the schedule.



Parameter	Type	Occurrence	Description
treeParameterValue DayOfWeek	Integer, 0 - 7	Optional (0-1)	Contains the value of day of week of a tree parameter. 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday
treeParameterValue DateRange	Sub-MO	Optional (0-1)	The struct is used to define the range of dates valid for a tree parameter. It contains two dates in a sequence to specify the range needed for tree parameter.
treeParameterStar tDate	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Mandatory	Contains the initial date of range applied for a tree parameter.
treeParameterEnd Date	DateTime.iso8601: YYYY-MM-DDT hh:mm:ssTZ TZ is the deviation in hours from UTC, the format is: [+ -] hh:mm For example, 2005-11-24T23:59:59+08:00	Mandatory	Contains the final date of range applied for a tree parameter.
treeParameterValue Time	String , 1 - 8 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash)	Optional (0-1)	Contains the value of time applied for a tree parameter.
treeParameterSour ce	Integer, 1 - 2 1: Tree parameter value fetched from the offer definition 2: Tree parameter fetched from the template tree definition	Optional (0-1)	Contains the source where the tree parameter is fetched. Default (parameter is not included) means the tree parameter is stored on the entity provisioned for a subscriber.



Parameter	Type	Occurrence	Description
associatedPartyID	String, 1 - 28 digits	Optional (0-1)	The subscriber identity of the consumer or provider. The default format of the parameter is the same numbering format as used by the account database, this also includes support of leading zeroes.
productOfferingName	String , 1 - 128 characters Allowed characters are a-z, A-Z, 0-9, - (hyphen) and / (slash)	Optional (0-n)	Contains the identity of a product offering.
negotiatedCapabilities	Integer, 0 - 2147483647	Optional (0-n)	Indicate the negotiated capabilities between the client and server node. The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active.
availableServerCapabilities	Integer, 0 - 2147483647	Optional (0-n)	Indicate the available capabilities at the server node. The value 0 indicates that none of the capabilities in the element are active, and the value 2147483647 indicates that all of the capabilities in the element are active. If only one element is present and is set to 0, no functions after release AIR-IP 5.0 are active, only legacy functionality can be used.

26.3 Examples

This section gives an example of the `deletePredefinedOffer` request and response message. This example shows how to delete an AIR `PredefinedOffer`.

Request Example



```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/"
  xmlns:cai3="http://schemas.ericsson.com/cai3gl.2/">
  <soapenv:Header>
    <cai3:SessionId>86e7024622bd4af8bbd57a716dd72cbc</cai3:SessionId>
  </soapenv:Header>
  <soapenv:Body>
    <cai3:Delete>
      <cai3:MOType>PredefinedOffer@http://schemas.ericsson.com/ma/CS/AIR/</cai3:MOType>
      <cai3:MOId>
        <air:subscriberNumber>55897213</air:subscriberNumber>
        <air:offerID>513</air:offerID>
      </cai3:MOId>
      <cai3:MOAttributes>
        <air:deletePredefinedOffer offerID="513" subscriberNumber="55897213">
          <air:originNodeType>ADM</air:originNodeType>
          <air:originHostName>AIR</air:originHostName>
          <air:originTransactionID>14428155633403480337</air:originTransactionID>
          <air:originTimeStamp>2017-10-08T12:00:00+00:00</air:originTimeStamp>
          <air:originOperatorID>egumeng</air:originOperatorID>
          <air:negotiatedCapabilities>809988676</air:negotiatedCapabilities>
          <air:negotiatedCapabilities>16296</air:negotiatedCapabilities>
        </air:deletePredefinedOffer>
      </cai3:MOAttributes>
    </cai3:Delete>
  </soapenv:Body>
</soapenv:Envelope>

```

Example 116 Delete PredefinedOffer Request Message

Response Example



```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:cai3g="http://schemas.ericsson.com/cai3g1.2/">
  <S:Header>
    <cai3g:SessionId>86e7024622bd4af8bbd57a716dd72cbc</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <DeleteResponse xmlns="http://schemas.ericsson.com/cai3g1.2/">
      <MOId>
        <air:subscriberNumber xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/"
          xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
          xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">55897213
        </air:subscriberNumber>
        <air:offerID xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/"
          xmlns:cai3="http://schemas.ericsson.com/cai3g1.2/"
          xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">513</air:offerID>
        </MOId>
        <MOAttributes>
          <air:deletePredefinedOfferResponse xmlns:air="http://schemas.ericsson.com/ma/CS/AIR/">
            <air:subscriberNumber>55897213</air:subscriberNumber>
            <air:originTransactionID>14428155633403480337</air:originTransactionID>
            <air:originOperatorID>egumeng</air:originOperatorID>
            <air:offerID>513</air:offerID>
            <air:attributeInformation>
              <air:attributeName>LOS</air:attributeName>
              <air:attributeValueString>VauleParameter1</air:attributeValueString>
            </air:attributeInformation>
            <air:attributeInformation>
              <air:attributeName>TemplateVersion</air:attributeName>
              <air:attributeValueString>ChangeDefault</air:attributeValueString>
            </air:attributeInformation>
            <air:attributeInformation>
              <air:attributeName>parent_offer</air:attributeName>
              <air:attributeValueInteger>1009</air:attributeValueInteger>
            </air:attributeInformation>
            <air:treeParameterSetInformation>
              <air:serviceProvider>3</air:serviceProvider>
              <air:treeParameterInformation>
                <air:treeParameterName>OfferType</air:treeParameterName>
                <air:treeParameterValueString>Sunday</air:treeParameterValueString>
              </air:treeParameterInformation>
            </air:treeParameterSetInformation>
            <air:treeParameterSetInformation>
              <air:serviceProvider>4</air:serviceProvider>
              <air:treeParameterInformation>
                <air:treeParameterName>Offer_fee_once</air:treeParameterName>
                <air:treeParameterValueDecimal>
                  <air:treeParameterValueNumber>41</air:treeParameterValueNumber>
                  <air:numberOfDecimals>1</air:numberOfDecimals>
                </air:treeParameterValueDecimal>
              </air:treeParameterInformation>
              <air:treeParameterInformation>
                <air:treeParameterName>Offer_fee</air:treeParameterName>
                <air:treeParameterValueInteger>1009</air:treeParameterValueInteger>
              </air:treeParameterInformation>
            </air:treeParameterSetInformation>
            <air:productOfferingName>Test_EDA</air:productOfferingName>
            <air:negotiatedCapabilities>809988676</air:negotiatedCapabilities>
            <air:negotiatedCapabilities>16296</air:negotiatedCapabilities>
            <air:availableServerCapabilities>809988676</air:availableServerCapabilities>
            <air:availableServerCapabilities>16296</air:availableServerCapabilities>
          </air:deletePredefinedOfferResponse>
        </MOAttributes>
      </DeleteResponse>
    </S:Body>
  </S:Envelope>
```

Example 117 Delete PredefinedOffer Response Message



27 Faults and Errors

The generic structure for fault responses is covered in *Generic CAI3G Interface 1.2*, Reference [2]. That document also covers the generic fault codes, which are applicable to all CAI3G operations.

This section covers the subordinate CAI3G errors. They can appear in the `errorcode` element in the error message.

AIR and AF specific error codes are described in this section. These error codes are included in the Fault type `PGFault`.

For generic error codes, and information about the different Fault types, see *CAI3G Implementation*, Reference [3].

27.1 AIR Error Codes

The following table covers error codes for AIR commands over the CAI3G interface.

Table 85 AIR Error Codes

Error Code	Error Message	Mapped from
17100	Illegal request message	1000
17101	Mandatory field missing	1001
17102	Illegal data type	1002
17103	Data out of bounds	1003
17104	Unknown operation	1004
17105	Internal server error	1005
17107	Overload rejection	1007
17111	OK but supervision period exceeded	1
17112	OK but Service Fee period exceeded	2
17199	Other Error No Retry	999
17200	Other Error	100
17202	Subscriber not found	102
17203	Account barred from refill	103
17204	Temporary Blocked	104
17205	Dedicated account not allowed	105
17206	Dedicated account negative	106
17207	Voucher status used by same	107



Error Code	Error Message	Mapped from
17208	Voucher status used by different	108
17209	Voucher status unavailable	109
17210	Voucher status expired	110
17211	Voucher status stolen or missing	111
17212	Voucher status damaged	112
17213	Voucher status pending	113
17214	Voucher type not accepted	114
17215	Refill not accepted	115
17217	Service class change not allowed	117
17219	Invalid voucher activation code	119
17220	Invalid refill profile	120
17221	Supervision period too long	121
17222	Service fee period too long	122
17223	Maximum credit limit exceeded	123
17224	Below minimum balance	124
17226	Account not active	126
17227	Accumulator not available	127
17228	Invalid PIN Code	128
17229	FAF number does not exist	129
17230	FAF number not allowed	130
17233	Service class list empty	133
17234	Accumulator overflow	134
17235	Accumulator underflow	135
17236	Date adjustment error	136
17237	Get balance and date not allowed	137
17238	No PIN Code registered	138
17239	Dedicated account not defined	139
17240	Invalid old Service Class	140
17241	Invalid Language	141
17242	Subscriber already installed	142
17243	Invalid master subscriber	143
17244	Subscriber already activated	144
17245	Already linked subordinate	145
17246	Already linked as master	146



Error Code	Error Message	Mapped from
17247	Invalid old community list	147
17248	Invalid new community list	148
17249	Invalid promotion plan end date	149
17250	Invalid promotion plan id	150
17251	Promotion plan not found	151
17252	Deblocking of expired account	152
17253	Dedicated account max credit limit exceeded	153
17254	Invalid old SC date	154
17255	Invalid new service class	155
17256	Delete subscriber failed	156
17257	Invalid account home region	157
17258	Maximum number of allocated promotion plans that is already reached	158
17259	Charged FaF not active for service class	159
17260	Operation not allowed from current location	160
17261	Failed to get location information	161
17265	Offer not found	165
17267	Invalid unit type	167
17290	The PAM service id provided in the request exists.	190
17291	The PAM service id provided in the request was out of range, or did not exist.	191
17292	The old PAM class id provided in the request was incorrect or did not match the existing PAM class id for the account.	192
17293	The PAM class id or new PAM class id provided in the request was incorrect.	193
17294	The old schedule id provided in the request was incorrect or did not match the existing schedule id for the account.	194
17295	The schedule id or new schedule id provided in the request was incorrect.	195
17296	Invalid deferred to date	196
17297	Periodic account management evaluation failed	197



Error Code	Error Message	Mapped from
17298	Too many PAM services given in the sequence or the number of services on the account would be exceeded.	198
17299	The PAM period, provided or calculated, could not be found in the schedule.	199
17300	The PAM class id or new PAM class id provided in the request does not exist.	200
17301	The schedule id or new schedule id provided in the request did not exist or no valid period found.	201
17302	Invalid PAM indicator	202
17314	One or several of the provided offers are not defined or there is a mismatch between provided offer type and the offer type definition. It is also used when the offer type is not supported for the requested update.	214
17315	Too many offers of the type Multi User Identification given in the sequence or the Multi User Identification offer is already activated for the subscriber.	215
17316	Use threshold not found in definition	216
17317	Use counter not found in definition	217
17319	Use counter value out of bounds	219
17320	The supplied value type does not match the definition.	220
17321	No subordinate subscribers connected to the account	221
17325	The offer start date cannot be changed because the offer is already active.	225
17326	Invalid PAM Period Relative Dates Start PAM Period Indicator	226
17327	Invalid PAM Period Relative Dates Expiry PAM Period Indicator	227
17330	Not allowed to convert to other type of lifetime	230
17332	Not allowed to delete PAM service ID in use. The PAM Service ID is used by an Offer, DA, or sub-DAs Relative Dates.	232



Error Code	Error Message	Mapped from
17337	Not allowed to add a Provider ID to another offer type than the provider account offer.	237
17338	Not allowed to create a provider account offer without providing a provider ID.	238
17333	Invalid PAM service priority	233
17334	The old PAM service priority provided in the request was incorrect or did not match the existing PAM service priority for the account.	234
17335	Not allowed to connect the PAM class to the PAM Service. The account already has a bill cycle service. Only one bill cycle per account is allowed.	235
17336	The PAM service priority is already used for some other PAM services.	236
17347	The product is not found.	247
17348	The shared account offer is not allowed on a subordinate subscriber.	248
17350	The communication ID change fails because of insufficient funds.	250
17351	The communication ID change fails. The AIA does not match the MSISDN.	251
17352	Invalid combination of values	252
17353	The communication ID change fails. The previous MSISDN change is pending.	253
17354	The Communication ID change fails. The new MSISDN is not available.	254
17355	The operation is not allowed on a subordinate subscriber.	255
17356	Attribute name does not exist.	256
17357	Operation not allowed since End of Provisioning is set.	257
17358	Attribute value does not exist.	258
17359	Attribute value exists.	259
17362	Attribute update action not allowed for this attribute.	262
17363	Attribute value is not possible to override for the subscriber.	263
17364	The result of the operation is a nominal value that is out of bounds.	264



Error Code	Error Message	Mapped from
17366	Permission denied	266
17388	Tree parameter name does not exist	288
17389	Tree parameter value has wrong format	289
17390	Service provider (= tree type) does not exist	290
17397	Maximum limit of offers exceeded during Installation of subscriber	297
17398	Failure to Delete Subscriber, that had been successfully installed, but should be deleted due to failure of offers	298
17399	Failure to Install Subscriber	299
17344	Associated party ID not allowed for this type of entity	244
17335	Not allowed to connect the PAM Class to the PAM Service. The account already has a bill cycle service. Only one bill cycle and one related cycle PAM service per account is allowed	235
17501	Unauthorized	401

27.2 AF Error Codes

The following table covers error codes for AF commands over the CAI3G interface.

Table 86 AF Error Codes

Error Code	Error Message	Mapped from
17051	Format error	1
17052	Name server internal failure.	2
17053	The domain name does not exist.	3
17054	Not supported by the name server.	4
17055	Refused	5
17056	Name exists when it should not.	6
17057	RR set exists when it should not.	7
17058	RR set that should exist does not.	8



Error Code	Error Message	Mapped from
17059	Not authoritative	9
17060	Name is not contained in zone.	10

27.3 CAI3G Error Message Example

The following is an example of a CAI3G error message:

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3g="http://schemas.ericsson.com/cai3g1.2/">
  <S:Header>
    <cai3g:SessionId>0418dc80b9f149a2b05f6bc8052ffedf</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <ns2:Fault xmlns:ns2="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ns3="http://www.w3.org/2003/05/soap-envelope">
      <faultcode>ns2:Server</faultcode>
      <faultstring>This is a server fault</faultstring>
      <detail>
        <Cai3gFault:Cai3gFault xmlns="http://schemas.ericsson.com/cai3g1.2/"
xmlns:Cai3gFault="http://schemas.ericsson.com/cai3g1.2/">
          <faultcode>4006</faultcode>
          <faultreason>
            <reasonText>External error.</reasonText>
          </faultreason>
          <faultrole>MF</faultrole>
          <details>
            <PGFault:PGFault xmlns="http://schemas.ericsson.com/pg/1.0"
xmlns:PGFault="http://schemas.ericsson.com/pg/1.0">
              <errorcode>17242</errorcode>
              <errormessage>Subscriber already installed.</errormessage>
              <errordetails>External error. Error occurred when provisioning AIR.
                - [Processed by PG Node: node1]</errordetails>
            </PGFault:PGFault>
          </details>
        </Cai3gFault:Cai3gFault>
      </detail>
    </ns2:Fault>
  </S:Body>
</S:Envelope>
```

Example 118 CAI3G Error Message for AIR



```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:cai3g="http://schemas.ericsson.com/cai3g1.2/">
  <S:Header>
    <cai3g:SessionId>a4d8cbfcab6d4605b2afb66092025b91</cai3g:SessionId>
  </S:Header>
  <S:Body>
    <ns2:Fault xmlns:ns2="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ns3="http://www.w3.org/2003/05/soap-envelope">
      <faultcode>ns2:Server</faultcode>
      <faultstring>This is a server fault</faultstring>
      <detail>
        <Cai3gFault:Cai3gFault xmlns="http://schemas.ericsson.com/cai3g1.2/"
xmlns:Cai3gFault="http://schemas.ericsson.com/cai3g1.2/">
          <faultcode>4006</faultcode>
          <faultreason>
            <reasonText>External error.</reasonText>
          </faultreason>
          <faultrole>MF</faultrole>
          <details>
            <PGFault:PGFault xmlns="http://schemas.ericsson.com/pg/1.0"
xmlns:PGFault="http://schemas.ericsson.com/pg/1.0">
              <errorcode>17056</errorcode>
              <errormessage>Name Exists when it should not.</errormessage>
              <errordetails>External error. Error occurred when provisioning AF.
                - [Processed by PG Node: node1]</errordetails>
            </PGFault:PGFault>
          </details>
        </Cai3gFault:Cai3gFault>
      </detail>
    </ns2:Fault>
  </S:Body>
</S:Envelope>
```

Example 119 CAI3G Error Message for AF



Reference List

- [1] *Library Overview*, 18/1553-CSH 109 628 Uen
- [2] *Generic CAI3G Interface 1.2*, 2/155 19-FAY 302 0003 Uen
- [3] *CAI3G Implementation*, 26/155 19-CSH 109 628 Uen
- [4] *User Guide for Resource Activation*, 1/1553-CSH 109 628 Uen
- [5] *Solution Description Charging and CBiO*, 1/221 02-CSH 109 628 Uen