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Information Service (IS)
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### **Foreword**

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### Introduction

The interface Itf-N, defined in 3GPP TS 32.102 [2], is built up by a number of Integration Reference Points (IRPs) and a related Name Convention, which realise the functional capabilities over this interface. The basic structure of the IRPs is defined in 3GPP TS 32.101 [1] and 3GPP TS 32.102 [2].

The present document is part of a TS-family covering the 3<sup>rd</sup> Generation Partnership Project: Technical Specification Group Services and System Aspects; Telecommunication management, as identified below:

TS 32.140:	Subscription Management (SuM) requirements.
TS 32.141:	Subscription Management (SuM) architecture.
TS 28.751:	Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP); Requirements.
TS 28.752:	Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS).
TS 28.753:	Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP); Solution Sets (SS) definitions.

## 1 Scope

The present document defines the Network Resource Model (NRM) for the SuM IRP which can be communicated between an IRPAgent and IRPManagers for subscription management purposes, including in the context of converged networks.

### 2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document.*
- [1] 3GPP TS 32.101: "Telecommunication management; Principles and high level requirements". [2] 3GPP TS 32.102: "Telecommunication management; Architecture". [3] 3GPP TS 32.140: "Telecommunication management; Subscription Management (SuM) Requirements". [4] 3GPP TS 32.141: "Telecommunication management; Subscription Management (SuM) Architecture." [5] 3GPP TS 28.751: "Telecommunication management; Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP): Requirements". 3GPP TS 28.622: "Telecommunication management; Generic Network Resource Model (NRM) [6] Integration Reference Point (IRP); Information Service (IS)".
- [7] 3GPP TS 23.008: "Organization of subscriber data".
- [8] 3GPP TS 29.228: "IP Multimedia (IM) Subsystem Cx and Dx interfaces; Signalling flows and message contents".

### 3 Definitions and abbreviations

### 3.1 Definitions

For the purposes of the present document, the following terms and definitions apply. For terms and definitions not found here, please refer to 3GPP TS 32.101 [1], 3GPP TS 32.102 [2], 3GPP TS 32.140 [3] and TS 32.141 [4].

**Subscription Profile:** see 3GPP TS 32.140 [3].

**Subscription Profile Component:** see 3GPP TS 32.140 [3].

Subscription Profile Component Definition: specifies a Subscription Profile Component.

Subscriber Profile: see 3GPP TS 32.140 [3].

**User:** see 3GPP TS 32.140 [3].

### 3.2 Abbreviations

For the purposes of the present document the following and the abbreviations in 32.101 [1], 32.102 [2], 32.140 [3] and 32.141 [4] apply.

EM Element Manager
IOC Information Object Class
IRP Integration Reference Point
MOC Managed Object Class
NE Network Element

SuM Subscription Management

### 4 Model

### 4.1 Imported information entities and local labels

Label reference	Local label
28.622 [6], information object class, ManagedFunction	ManagedFunction
28.622 [6], information object class, SubNetwork	SubNetwork
28.622 [6], information object class, Top	Top

### 4.2 Class diagram

### 4.2.1 Relationships

This clause depicts the set of classes (e.g. IOCs) that encapsulates the information relevant for this IRP. This clause provides an overview of the relationships between relevant classes in UML. Subsequent clauses provide more detailed specification of various aspects of these classes.

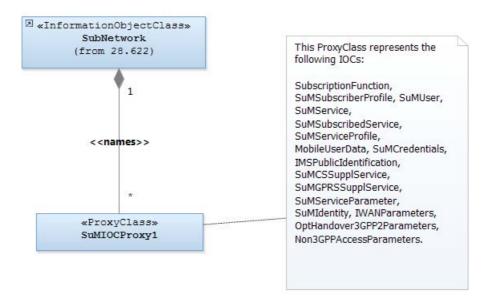


Figure 1a: SuM NRM naming diagram 1

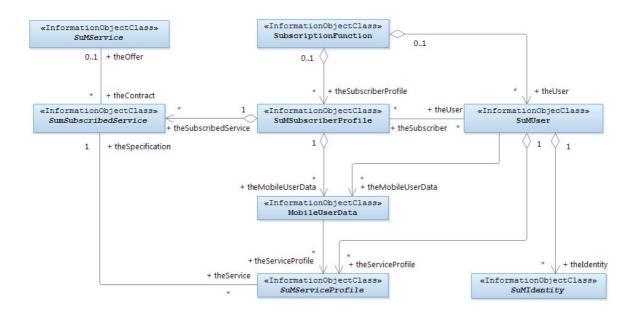


Figure 1b: SuM NRM Containment and Association diagram 1

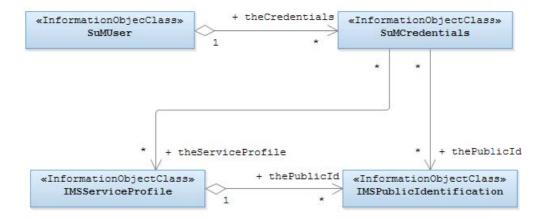


Figure 1c: SuM NRM Containment and Association diagram 2



Figure 1d: SuM Supplementary Service NRM Aggregation diagram 1

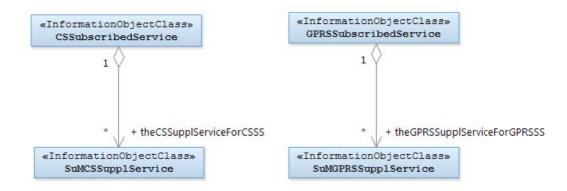


Figure 1e: SuM Supplementary Service NRM Aggregation diagram 2

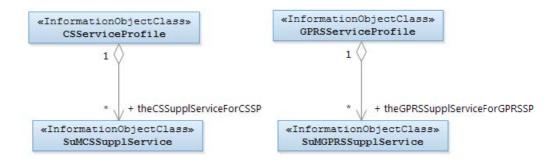


Figure 1f: SuM Supplementary Service NRM Aggregation diagram 3

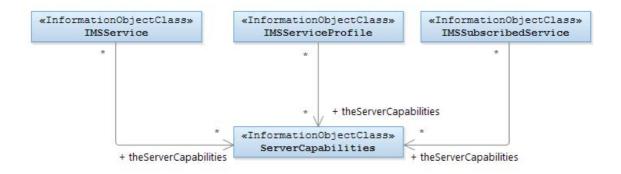


Figure 1g: SuM IMS Service Containment and Association diagram 1

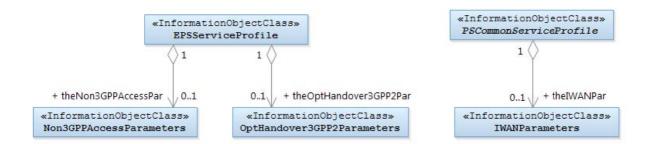


Figure 1h: Service Profile NRM Association diagram

### 4.2.2 Inheritance

This subclause depicts the inheritance relationships.

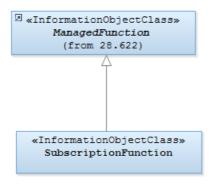


Figure 2a: SuM NRM Inheritance Hierarchy 1

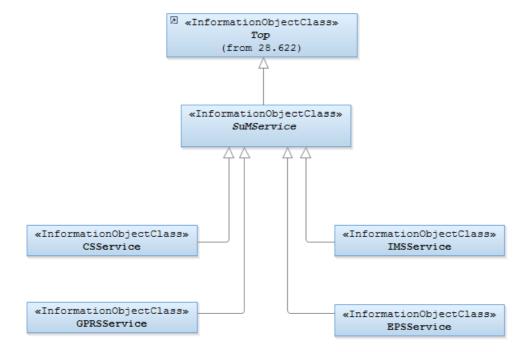


Figure 2b: SuM NRM Inheritance Hierarchy 2

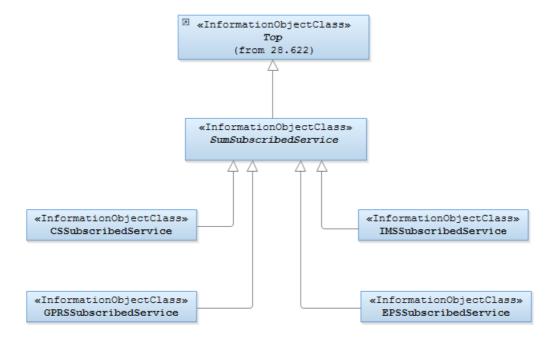


Figure 2c: SuM NRM Inheritance Hierarchy 3

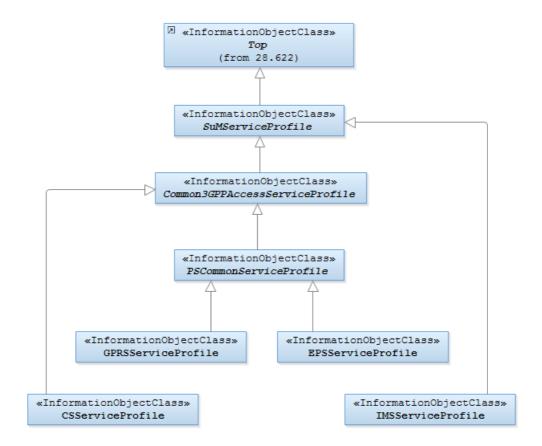


Figure 2d: SuM NRM Inheritance Hierarchy 4

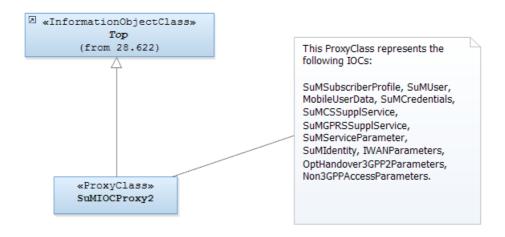


Figure 2e: SuM NRM Inheritance Hierarchy 5

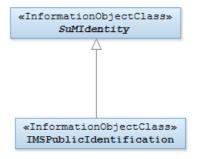


Figure 2f: SuM NRM Inheritance Hierarchy 8

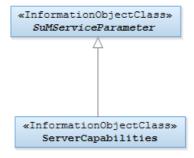


Figure 2g: SuM NRM Inheritance Hierarchy 9

### 4.3 Class definitions

### 4.3.1 SuMService

#### 4.3.1.1 Definition

This is an abstract IOC provided for sub-classing only. It provides attribute(s) that are common to Services IOCs.

#### 4.3.1.2 Attributes

Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
Attribute related to role					
theContract	M	М	0	-	-

#### 4.3.1.3 Attribute constraints

None.

#### 4.3.1.4 Notifications

None.

#### 4.3.2 CSService

#### 4.3.2.1 Definition

This class represents a CS service (see 3GPP TS 23.008 [7]) provided by a service provider

This class contains the valid parameters that define the CS service from subscription point of view.

### 4.3.2.2 Attributes

Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
networkAccessMode	M	М	М	-	-
basicMSISDNIndicator	0	М	М	-	-
mSISDNAlertIndicator	0	M	M	-	-
subscriptionRestriction	0	M	M	-	-
rSZIlists	0	M	M	-	_
lsAIdentity	0	M	M	-	-
lsaPriority	0	M	M	_	_
1SAPreferentialAccessIndicator	0	M	M	_	-
1SAActiveModeSupportIndicator	0	M	M	-	-
1SAOnlyAccessIndicator	0	M	M	_	_
lSAActiveModeIndicator	0	M	M		_
vPLMNIdentifier	0	M	M	_	_
accessRestrictionData	0	M	M	<u> </u>	_
privacyExceptionList	0	M	M	<u> </u>	-
qMLCNumbers	0	M	M	-	-
mOLRList	0	M	M	<u>-</u>	-
serviceTypes	0	M	M	-	-
mobileStationCategory	0	M	M	-	-
lMUIdentifier				-	-
subscriberStatus	0	M	M	-	-
	0	M	M	-	-
gsmSCFaddresslistForODB	M	M	M	-	-
provisionOfBearerService	M	M	M	-	-
provisionOfTeleservice	M	M	M	-	-
bCAllocation	0	M	M	-	-
barringOfOutgoingCalls	0	M	M	-	-
barringOfIncomingCalls	0	M	M	-	-
barringOfRoaming	0	M	M	-	-
barringOfPremiumRateCalls	0	M	M	-	-
barringOfSupplementaryService	0	M	M	-	-
Management					
barringOfRegistrationOfCall	0	M	M	-	-
Forwarding					
barringOfInvocationOfCall	0	M	M	-	-
Transfer	_				
operatorDeterminedBarring	0	M	M	-	-
PLMNspecificData	_				
vGCSGroupMembershipList	0	M	M	-	-
vBSGroupMembershipList	0	M	M	-	-
broadcastCallInitiation	0	M	M	-	-
AllowedList					
originatingCAMELSubscription	0	M	M	-	-
InformationOCSI					
terminatingCAMELSubscription	0	M	M	-	-
InformationTCSI					
vMSCTerminatingCAMEL	0	M	M	-	-
SubscriptionInformationVTCSI					
locationInformation	0	M	М	-	-
SubscriberStateInformation					
uSSDCAMELSubscription	0	M	M	-	-
InformationUCSI sSInvocationNotificationSSCSI		N 4	N 4		
translationInformation	0	M	M	-	-
		M	М	-	-
FlagTIFCSI		N 4	R 4		
dialledServiceCAMEL	0	M	M	-	-
SubscriptionInformationDCSI		N 4	R 4		
uSSDGeneralCAMELService InformationUGCSI	0	М	М	-	-
shortMessageServiceCAMEL	0	N /I	M		
SubscriptionInformationMOSMSCSI		M	IVI	-	-
Danscripcrollillor macrollmosmsCS1	<u> </u>	<u> </u>	<u> </u>		

shortMessageServiceCAMEL	0	M	М	-	-
SubscriptionInformationMTSMSCSI					
mTSMSCSIVLRNegotiatedCAMEL	0	M	M	-	-
CapabilityHandling					
gsmSCFaddressforCSI	0	M	M	-	-
iSTAlertTimer	0	M	М	-	-
cSAllocationRetentionpriority	0	M	М	-	-
iCSIndicator	0	M	М	-	-
Attribute related to role					
theCSSupplServiceForCS	0	M	0	-	-

#### 4.3.2.3 Attribute constraints

Name	Definition
All optional attributes	The NE supports the parameter (see TS 23.008 [7]).

#### 4.3.2.4 Notifications

None.

### 4.3.3 GPRSService

#### 4.3.3.1 Definition

This class represents a GPRS service (see 3GPP TS 23.008 [7]) provided by a service provider.

This class contains the valid parameters that define the GPRS service from subscription point of view.

### 4.3.3.2 Attributes

Attribute neme	Summant Overlition	io Doodoblo	ia\A/nitabla	ialavaniant	ia Natifica la la
Attribute name networkAccessMode	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
basicMSISDNIndicator	M O	M	M	-	-
mSISDNAlertIndicator	0	M M	M M	-	-
rSZIlists	0	M	M	-	-
1SAIdentity	0	M	M	-	-
lsAPriority	0	M	M	-	-
ISAPriority   ISAPreferentialAccessIndicator	0	M	M	-	-
lSAActiveModeSupportIndicator	0	M	M	-	-
1SAOnlyAccessIndicator	0	M	M	_	
1SAActiveModeIndicator	0	M	M	-	-
vPLMNIdentifier	0	M	M	-	-
accessRestrictionData	0	M	M		
privacyExceptionList	0	M	M	_	
qMLCNumbers	0	M	M	_	
mOLRList	0	M	M	-	-
serviceTypes	0	M	M	-	-
qGSNNumber	M	M	M	_	
provisionofTeleservice	0	M	M	_	
transferofSMoption	M	M	M	-	
subscriberStatus	M	M	M	_	-
barringofPacketOrientedServices	O	M	M	-	-
pDPType	0	M	M	-	-
pDPAddress	0	M	M	-	-
accessPointName	0	M	M	_	_
vPLMNAddressAllowed	0	M	M	_	-
qualityofServiceSubscribed	0	M	M	_	_
pDPContextChargingCharacteristic	0	M	M	_	_
s		IVI	141		
gPRSCAMELSubscriptionInformation GPRSCSI	0	M	М	-	-
mOShortMessageServiceCAMELSubscr iptionInformationMOSMSCSI	0	M	M	-	-
mTShortMessageServiceCAMELSubscr iptionInformationMTSMSCSI	0	M	М	-	-
mOSMSCSISGSNNegotiatedCAMELCapab ilityHandling	0	M	M	-	-
mTSMSCSISGSNNegotiatedCAMELCapab ilityHandling	0	M	М	-	-
mobilityManagementforGPRSeventno tificationMGCSI	0	M	M	-	-
mGCSINegotiatedCAMELCapabilityHa	0	M	M	-	-
ndling gsmSCFaddressforCSI	0	NA.	N /		
subscribedChargingCharacteristic	0	M M	M M	-	-
subscribedchargingcharacteristic s		IVI	IVI	_	-
closedSubscriberGroupInformation	0	М	М	_	-
qSMSCFaddresslistForODB	0	M	M	-	-
barringOfOutgoingCalls	0	M	M	-	-
barringOfRoaming	0	M	M	-	-
operatorDeterminedBarringPLMNspe	0	M	M	-	-
cificData					
sTNSR	0	М	M	-	-
iCSIndicator	0	М	M	-	-
listofauthorizedvisitednetworkid	0	М	M	-	-
entifiers					
wLANUERemoteIPaddress	0	М	M	-	-
staticWLANUERemoteIPAddressList	0	M	M	-	-
w-APNBarringTypeList	0	M	M	-	-
w-APNChargingDataList	0	M	M	-	-
accessDependenceFlag	0	M	M	-	-

chargingCharacteristics	0	M	M	-	-
primaryOCSChargingFunctionName	0	M	M	-	-
secondaryOCSChargingFunctionName	0	M	M	-	-
primaryChargingCollectionFunctio	0	M	M	-	-
nName					
secondaryChargingCollectionFunct	0	M	M	-	-
ionName					
w-APNIdentifierList	0	M	M	-	-
maxNumberAccessesList	0	M	M	-	-
maxSubscribedBandwidth	0	M	M	-	-
subscribed3GPPWLANQoSProfile	0	M	M	-	-
Attribute related to role					
theGPRSSupplServiceForGPRS	0	M	0	-	-

### 4.3.3.3 Attribute constraints

Name	Definition
All optional attributes	The NE supports the parameter (see TS 23.008 [7]).

### 4.3.3.4 Notifications

None.

### 4.3.4 IMSService

#### 4.3.4.1 Definition

This class represents a IMS service (see 3GPP TS 23.008 [7]) provided by a service provider

This class contains the valid parameters that define the IMS service from subscription point of view.

#### 4.3.4.2 Attributes

Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
listofauthorizedvisitednetworkid	M	M	М	-	-
entifiers					
registrationStatus	M	M	М	-	-
sCSCFName	0	M	-	-	-
diameterClientAddressofSCSCF	0	М	-	-	-
subscribedMediaProfileIdentifier	0	М	М	-	-
initialFilterCriteriaList	0	М	М	-	-
applicationServerInformation	0	M	М	-	-
serviceIndicationList	0	M	-	-	-
primaryEventChargingFunctionName	0	M	М	-	-
secondaryEventChargingFunctionNa	0	M	M	-	-
me					
primaryChargingCollectionFunctionName	M	M	M	-	-
secondaryChargingCollectionFunct	0	M	M	-	-
ionName					
gsmSCFaddressforIMCSI	0	M	M	-	-
oIMCSI	0	M	M	-	-
vTIMCSI	0	M	M	-	-
dIMCS	0	M	M	-	-
gAAServiceType	0	M	M	-	-
gAAServiceIdentifier	0	M	M	-	-
gBAUserSecuritySettings	0	M	M	-	-
userSecuritySetting	0	M	M	-	-
userPublicIdentity	0	M	M	-	-
gAAAuthorizationflag	0	M	M	-	-
keyLifetime	0	M	М	-	-
uICCSecurityType	0	М	М	-	-
nAFGroupIdentity	0	M	М	-	-
Attribute related to role					
theServerCapabilities	0	M	-	-	-

### 4.3.4.3 Attribute constraints

Name	Definition
All optional attributes	The NE supports the parameter (see TS 23.008 [7]).

#### 4.3.4.4 Notifications

None.

### 4.3.5 SuMSubscribedService

#### 4.3.5.1 Definition

This is an abstract IOC provided for sub-classing only. It provides attribute(s) that are common to Subscribed Services IOCs.

#### 4.3.5.2 Attributes

Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
Attribute related to role					
theService	M	M	0	-	-
theOffer	M	M	0	-	-

4.3.5.3 Attribute constraints

None.

4.3.5.4 Notifications

None.

#### 4.3.6 CSSubscribedService

#### 4.3.6.1 Definition

This class represents subscription to a CS service (see 3GPP TS 23.008 [7]) for a subscriber. The entire set of CS subscribed services owned by a subscriber constitutes the subscriber"s Subscribed Services Profile for CS services.

This class contains the agreed (between the Subscriber and the Service Provider) parameter settings for a CS service that a Subscriber subscribes to.

### 4.3.6.2 Attributes

Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
networkAccessMode	M	M	M	-	-
basicMSISDNIndicator	O	M	M	_	
mSISDNAlertIndicator	0	M	M	_	
subscriptionRestriction	0	M	M	<u>-</u>	
rSZIlists	0	M	M	-	-
1SAIdentity	0	M	M	-	-
				-	-
lsAPriority	0	M	M	-	-
lsAPreferentialAccessIndicator	0	M	M	-	-
lsAActiveModeSupportIndicator	0	M	M	-	-
1SAOnlyAccessIndicator	0	M	M	-	-
lSAActiveModeIndicator	0	М	М	-	-
vPLMNIdentifier	0	М	M	-	-
accessRestrictionData	0	М	М	•	-
privacyExceptionList	0	M	M	-	-
gMLCNumbers	0	M	M	-	-
mOLRList	0	M	M	-	-
serviceTypes	0	M	M	-	-
mobileStationCategory	0	M	M	-	-
lMUIdentifier	0	M	M	-	-
subscriberStatus	0	М	М	-	-
gsmSCFaddresslistForODB	M	М	М	=	-
provisionOfBearerService	M	М	М	-	-
provisionOfTeleservice	M	M	M	_	_
bCAllocation	0	M	M	-	-
barringOfOutgoingCalls	0	M	M	_	_
barringOfIncomingCalls	0	M	M	-	_
barringOffRoaming	0	M	M	-	_
barringOfRoaming barringOfPremiumRateCalls	0	M	M	-	-
	0			-	-
barringOfSupplementaryService Management	U	М	М	-	-
barringOfRegistrationOfCall	0	М	M	_	_
Forwarding	U	IVI	IVI	-	-
barringOfInvocationOfCall		N4	N.4		
Transfer	Ο	М	М	-	-
operatorDeterminedBarring		N4	N.4		
	0	М	М	-	-
PLMNspecificData			N.4		
vGCSGroupMembershipList	0	M	M	-	-
vBSGroupMembershipList	0	M	M	-	-
broadcastCallInitiation	0	М	М	-	-
AllowedList	_				
originatingCAMELSubscription	0	М	М	-	-
InformationOCSI	_				
terminatingCAMELSubscription	0	М	М	-	-
InformationTCSI	_				
vMSCTerminatingCAMEL	0	М	М	-	-
Subscription					
InformationVTCSI					
locationInformation/	0	М	М	-	-
SubscriberStateInformation					
uSSDCAMELSubscription	0	М	M	-	-
InformationUCSI					
sSInvocationNotification	0	М	М	-	-
SSCSI					
translationInformationFlag	0	М	M	-	-
TIFCSI					
dialledServiceCAMEL	0	М	М	-	-
SubscriptionInformationDCSI					
uSSDGeneralCAMELService	Ο	М	M	-	-
InformationUGCSI					

shortMessageServiceCAMEL	0	M	М	-	-
SubscriptionInformationMOSMSCSI					
shortMessageServiceCAMEL	0	M	M	-	-
SubscriptionInformationMTSMSCSI					
mTSMSCSIVLRNegotiatedCAMEL	0	M	M	-	-
CapabilityHandling					
gsmSCFaddressforCSI	0	M	M	-	-
iSTAlertTimer	0	M	M	ı	-
cSAllocationRetentionpriority	0	M	M	-	-
iCSIndicator	0	M	M	-	-
Attribute related to role					
theCSSupplServiceForCSSS	Ō	М	0	-	-

#### 4.3.6.3 Attribute constraints

Name	Definition
All optional attributes	The NE supports the parameter (see TS 23.008 [7]).

#### 4.3.6.4 Notifications

None.

### 4.3.7 GPRSSubscribedService

#### 4.3.7.1 Definition

This class represents subscription to a GPRS service (see 3GPP TS 23.008 [7]) for a subscriber. The entire set of GPRS subscribed services owned by a subscriber constitutes the subscriber subscribed Services Profile for GPRS services.

#### 4.3.7.2 Attributes

Attailantaman	0	i-Dd-bl-	:-\A/-:(- - -		i-Netificable
Attribute name networkAccessMode	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
basicMSISDNIndicator	M	M	M M	-	-
mSISDNAlertIndicator	0	M		-	-
		M	M	-	-
rSZIlists	0	M	M	-	-
1SAIdentity	0	M	M	-	-
lsaPriority	0	M	M	-	-
1SAPreferentialAccessIndicator	0	M	M	-	-
lsAActiveModeSupportIndicator	0	M	M	-	-
1SAOnlyAccessIndicator	0	M	M	-	-
1SAActiveModeIndicator	0	M	M	-	-
vPLMNIdentifier	0	M	M	-	-
accessRestrictionData	0	M	M	-	-
privacyExceptionList	0	М	M	-	-
gMLCNumbers	0	М	M	-	-
mOLRList	0	M	M	-	-
serviceTypes	0	M	M	-	-
gGSNNumber	M	M	M	-	-
provisionofTeleservice	0	M	M	-	-
transferofSMoption	M	M	M	-	-
subscriberStatus	M	M	M	-	-
barringofPacketOrientedServices	0	M	M	-	-
pDPType	0	M	М	-	-
pDPAddress	0	М	M	-	-
accessPointName	0	М	M	-	-
vPLMNAddressAllowed	0	М	М	-	-
qualityofServiceSubscribed	0	М	М	-	-
pDPContextCharging	0	М	М	-	-
Characteristics					
gPRSCAMELSubscription	0	М	M	-	-
InformationGPRSCSI					
mOShortMessageService	0	M	М	-	-
CAMELSubscription					
InformationMOSMSCSI					
mTShortMessageService	0	M	M	-	-
CAMELSubscription					
InformationMTSMSCSI					
mOSMSCSISGSNNegotiated	0	M	M	-	-
CAMELCapabilityHandling					
mTSMSCSISGSNNegotiated	0	M	M	-	-
CAMELCapabilityHandling					
mobilityManagementforGPRSevent	0	M	M	-	-
notificationMGCSI					
mGCSINegotiatedCAMEL	0	M	M	-	-
CapabilityHandling					
gsmSCFaddressforCSI	0	M	M	-	-
subscribedCharging	Ο	M	M	-	-
Characteristics					
closedSubscriberGroup	0	M	M	-	-
Information			_		
gSMSCFaddresslistForODB	0	М	M	-	-
barringOfOutgoingCalls	0	М	M	-	-
barringOfRoaming	0	M	M	-	-
operatorDeterminedBarring	0	М	M	-	-
PLMNspecificData					
sTNSR	0	М	M	-	-
iCSIndicator	0	М	M	-	-
listofauthorizedvisitednetwork	0	М	M	-	-
identifiers					
wLANUERemoteIPaddress	0	М	М	-	-
		-			

staticWLANUERemoteIP	0	M	М	-	-
AddressList					
w-APNBarringTypeList	0	М	М	-	-
w-APNChargingDataList	0	M	М	-	-
accessDependenceFlag	0	M	М	-	-
chargingCharacteristics	0	M	М	-	-
primaryOCSCharging	0	M	М	-	-
FunctionName					
secondaryOCSCharging	0	M	M	-	-
FunctionName					
primaryChargingCollection	0	M	M	-	-
FunctionName					
secondaryChargingCollection	0	M	M	-	-
FunctionName					
w-APNIdentifierList	0	M	M	-	-
maxNumberAccessesList	0	M	M	-	-
maxSubscribedBandwidth	0	M	M	-	-
subscribed3GPPWLANQoSProfile	0	М	М	-	-
Attribute related to role					
theGPRSSupplServiceforGPRSSS	0	M	0	-	-

#### 4.3.7.3 Attribute constraints

Name	Definition
All optional attributes	The NE supports the parameter (see TS 23.008 [7]).

#### 4.3.7.4 Notifications

None.

#### 4.3.8 IMSSubscribedService

#### 4.3.8.1 Definition

This class represents subscription to an IMS (see 3GPP TS 23.008 [7]) service for a subscriber. The entire set of IMS subscribed services owned by a subscriber constitutes the subscriber"s Subscribed Services profile for IMS services.

This class contains the agreed (between the Subscriber and the Service Provider) parameter settings for an IMS service that a Subscriber subscribes to.

#### 4.3.8.2 Attributes

Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
listofauthorizedvisitednetwo	М	M	M	-	-
rkidentifiers	.**				
registrationStatus	M	М	М	-	-
sCSCFName	0	М	-	-	-
diameterClientAddressofSCSCF	0	M	-	-	-
<pre>subscribedMediaProfileIdenti fier</pre>	0	M	M	-	-
initialFilterCriteriaList	0	М	М	-	-
applicationServerInformation	0	М	М	-	-
serviceIndicationList	0	М	-	-	-
primaryEventChargingFunction Name	0	M	М	-	-
secondaryEventChargingFunctionName	0	M	М	-	-
<pre>primaryChargingCollectionFun ctionName</pre>	M	M	М	-	-
secondaryChargingCollectionF unctionName	0	M	М	-	-
gsmSCFaddressforIMCSI	0	M	М	-	-
oIMCSI	0	M	М	-	-
vTIMCSI	0	M	М	-	-
dIMCS	0	M	М	-	-
gAAServiceType	0	M	М	-	-
gAAServiceIdentifier	0	M	M	-	-
gBAUserSecuritySettings	0	M	M	-	-
userSecuritySetting	0	M	M	-	-
userPublicIdentity	0	М	М	-	-
gAAAuthorizationflag	0	М	М	-	-
keyLifetime	0	М	М	-	-
uICCSecurityType	0	М	М	-	-
nAFGroupIdentity	0	М	М	-	-
Attribute related to role					
theServerCapabilities	0	М	-	-	-

#### 4.3.8.3 Attribute constraints

Name	Definition
All optional attributes	The NE supports the parameter (see TS 23.008 [7]).

#### 4.3.8.4 Notifications

None.

### 4.3.9 SuMSubscriberProfile

#### 4.3.9.1 Definition

This class represents the Subscriber Profile.

This class also contains the reference to its aggregated Subscribed Service as well as the users for a subscriber.

#### 4.3.9.2 Attributes

Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
suMSubscriberProfileInfo	M	M	0	-	-
Attribute related to role					
theUser	M	M	0	-	-
theSubscribedService	M	М	0	-	-
theMobileUserData	M	М	0	-	-

4.3.9.3 Attribute constraints

None.

4.3.9.4 Notifications

None.

#### 4.3.10 SuMServiceProfile

#### 4.3.10.1 Definition

This is an abstract IOC provided for sub-classing only. It provides attribute(s) that are common to Service Profiles IOCs.

#### 4.3.10.2 Attributes

Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
Attribute related to role					
theSpecification	M	M	0	-	-

4.3.10.3 Attribute constraints

None.

4.3.10.4 Notifications

None.

### 4.3.11 CSServiceProfile

#### 4.3.11.1 Definition

This class represents for a subscribed CS service (see 3GPP TS 23.008 [7]) the service preferences and settings chosen for a user.

#### 4.3.11.2 Attributes

Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
basicMSISDNIndicator	0	M	M	-	-
mSISDNAlertIndicator	0	M	M	-	-
vLRNumber	M	M	-	-	-
mSCNumber	M	M	-	-	-
subscriptionRestriction	0	M	M	-	-
mSCAreaRestrictedFlag	M	M	-	-	-
oDBinducedBarringData roamingRestrictionDueTo	O M	M	-	-	-
UnsupportedFeature	M	M	-	-	-
lSAIdentity	0	M	M	-	
lsaPriority	0	M	M	-	-
ISAPreferentialAccessIndicator	0	M	M	-	_
lSAActiveModeSupportIndicator	0	M	M	-	_
lSAOnlyAccessIndicator	0	M	M	-	_
lSAActiveModeIndicator	0	M	M		
vPLMNIdentifier	0	M	M	-	_
ageIndicator	0	M	-	-	_
1MSI	M	M	_	-	_
mobileStationCategory	M	M	М	-	_
lMUIdentifier	0	M	M	_	_
mNRRMSC	M	M	-	-	_
notificationToCSEFlagForODB	Ö	M	-	-	-
gsmSCFaddresslistForODB	Ö	M	М	-	-
messagesWaitingData	Ö	M	-	-	-
mobileStationNotReachableFlag	Ö	M	-	-	-
memoryCapacityExceededFlag	M	M	-	-	-
traceReference	0	M	-	-	-
traceType	0	M	-	-	-
operationsSystemsIdentity	0	M	-	-	-
hLRTraceType	0	М	-	-	-
mAPErrorOnTrace	0	М	-	-	-
traceActivatedInVLR	0	М	-	-	-
provisionOfBearerService	M	М	М	-	-
provisionOfTeleservice	M	М	М	-	-
bCAllocation	0	М	М	-	-
checkSSIndicator	M	М	-	-	-
mSPurgedForNonGPRSFlag	M	M	-	-	-
barringOfIncomingCalls	0	M	М	-	-
barringOfPremiumRateCalls	0	M	M	ı	-
barringOfSupplementaryService	0	M	M	-	-
Management					
barringOfRegistrationOfCall	0	M	M	-	-
Forwarding					
barringOfInvocationOfCallTransfer	0	M	M	-	-
vGCSGroupMembershipList	0	М	M	-	-
vBSGroupMembershipList	0	M	M	-	-
broadcastCallInitiationAllowedList	0	M	M	-	-
originatingCAMELSubscription	0	М	M	-	-
InformationOCSI		N 4	B. 4		
terminatingCAMELSubscription InformationTCSI	0	М	M	-	-
vMSCTerminatingCAMEL	0	M	M		
SubscriptionInformationVTCSI		IVI	IVI	-	_
locationInformationSubscriber	0	M	M	-	_
StateInformation		IVI	IVI	-	_
uSSDCAMELSubscription	0	М	M	-	-
InformationUCSI		IV.	171		
sSInvocationNotificationSSCSI	0	М	М	-	-
translationInformationFlagTIFCSI	Ö	M	M	-	-
	<u>~</u>	1 '*'	141		L

Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
dialledServiceCAMELSubscription	0	М	М	-	-
InformationDCSI					
uSSDGeneralCAMELService	0	М	М	-	-
InformationUGCSI					
oCSINegotiatedCAMEL	0	М	-	-	-
CapabilityHandling					
sSCSINegotiatedCAMEL	0	M	-	-	-
CapabilityHandling					
vTCSINegotiatedCAMEL	0	М	-	-	-
CapabilityHandling					
shortMessageServiceCAMEL	0	M	M	-	-
SubscriptionInformationMOSMSCSI					
shortMessageServiceCAMEL	0	M	M	-	-
SubscriptionInformationMTSMSCSI					
mOSMSCSIVLRNegotiatedCAMEL	0	M	-	-	-
CapabilityHandling					
mTSMSCSIVLRNegotiatedCAMEL	0	M	M	-	-
CapabilityHandling					
mCSINegotiatedCAMEL	0	M	-	-	-
CapabilityHandling					
vLRSupportedCAMELPhases	0	M	-	1	-
gsmSCFaddressforCSI	0	M	M	-	-
vLROfferedCAMEL4CSIs	0	М	-	-	-
iSTAlertTimer	0	М	М	-	-
cSAllocationRetentionpriority	0	М	М	-	-
Attribute related to role					
theCSSupplServiceForCSSP	0	М	0	-	-

#### 4.3.11.3 Attribute constraints

Name	Definition
All optional attributes	The NE supports the parameter (see TS 23.008 [7]).

#### 4.3.11.4 Notifications

None.

### 4.3.12 GPRSSServiceProfile

#### 4.3.12.1 Definition

This class represents for a subscribed GPRS service (see 3GPP TS 23.008 [7]) the service preferences and settings chosen for a user.

#### 4.3.12.2 Attributes

Attribute nome	Support Qualifier	ioDoodoblo	isWritable	ioloverient	ioNetifyabla
Attribute name basicMSISDNIndicator		isReadable		isInvariant	isNotifyable
mSISDNAlertIndicator	0	M M	M M	-	-
	M	M	IVI	-	-
vLRNumber 1SAIdentity			- N4	-	-
_	0	M	M	-	-
land	0	M	M	-	-
lsAPreferentialAccessIndicator	0	M	M	-	-
lsAActiveModeSupportIndicator	0	M	M	-	-
lSAOnlyAccessIndicator	0	M	M	-	-
lSAActiveModeIndicator	0	M	M	-	-
vPLMNIdentifier	0	M	M	-	-
ageIndicator	0	M	-	-	-
sGSNNumber	M	M	-	-	-
gGSNNumber	M	M	M	-	-
mNRG	M	M	-	-	-
provisionofTeleservice	0	M	M	-	-
transferofSMoption	M	M	M	-	-
mSpurgedforGPRSflag	M	M	-	-	-
pDPType	0	M	M	-	-
pDPAddress	0	M	M	-	-
gGSNlist	M	M	-	-	-
qualityofServiceSubscribed	0	M	M	-	-
pDPContextIdentifier	0	M	-	-	-
pDPContextChargingCharacteristics	0	M	M	-	-
gPRSCAMELSubscriptionInformation	0	M	M	-	-
GPRSCSI					
mOShortMessageServiceCAMEL	0	M	M	-	-
SubscriptionInformationMOSMSCSI					
mTShortMessageServiceCAMEL	0	M	M	-	-
SubscriptionInformationMTSMSCSI					
mOSMSCSISGSNNegotiatedCAMEL	0	M	M	-	-
CapabilityHandling					
mTSMSCSISGSNNegotiatedCAMEL	0	M	M	-	-
CapabilityHandling	_				
mobilityManagementforGPRS	0	M	M	-	-
eventnotificationMGCSI	_				
mGCSINegotiatedCAMEL	0	M	M	-	-
CapabilityHandling					
gPRSCSINegotiatedCAMEL	0	M	-	-	-
CapabilityHandling					
sGSNSupportedCAMELPhases	0	M	-	-	-
sGSNOfferedCAMEL4CSIs	0	M	-	-	-
gsmSCFaddressforCSI	0	M	M	-	-
gSMSCFaddresslistForODB	0	M	M	-	-
iPSMGWNumber	0	M	-	-	-
mNRR-SGSN	0	M	-	-	-
notificationToCSEFlagForODB	0	M	-	-	-
Attribute related to role					
theGPRSSupplServiceForGPRSSP	0	M	0	-	-

### 4.3.12.3 Attribute constraints

Name	Definition
All optional attributes	The NE supports the parameter (see TS 23.008 [7]).

#### 4.3.12.4 Notifications

None.

### 4.3.13 IMSServiceProfile

#### 4.3.13.1 Definition

This class represents for a subscribed IMS (see 3GPP TS 23.008 [7]) service the service preferences and settings chosen for a user.

This class contains the reference to its aggregated IMS Public Identifications.

#### 4.3.13.2 Attributes

Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
listofauthorizedvisitednetwork	М	M	M	-	-
identifiers	•••				
registrationStatus	М	М	M	-	-
sCSCFName	0	М	-	-	-
diameterClientAddressofSCSCF	0	M	-	-	-
subscribedMediaProfileIdentifi	0	М	M	-	-
er					
initialFilterCriteriaList	0	M	M	-	-
applicationServerInformation	0	M	M	ı	-
serviceIndicationList	0	M	-	ı	-
primaryEventChargingFunctionNa me	0	M	M	-	-
secondaryEventChargingFunction Name	0	M	М	-	-
primaryChargingCollectionFunct ionName	M	M	М	-	-
secondaryChargingCollectionFun ctionName	0	М	M	-	-
gsmSCFaddressforIMCSI	0	М	M		_
iMSSFaddressforIMCSI	0	M	-		_
oIMCSI	0	M	М	_	_
VTIMCSI	0	M	M	-	-
dIMCS	0	M	M	-	-
gAAServiceType	0	M	M	-	-
gAAServiceIdentifier	0	M	M	-	-
gBAUserSecuritySettings	0	М	М	-	-
userSecuritySetting	0	М	М	-	-
userPublicIdentity	0	М	М	-	-
gAAAuthorizationflag	0	М	М	-	-
keyLifetime	0	М	M	-	-
uICCSecurityType	0	М	M	-	-
nAFGroupIdentity	0	М	M	-	-
thePublicId	M	М	0	-	-
Attribute related to role					
theServerCapabilities	0	M	-	-	-

#### 4.3.13.3 Attribute constraints

Name	Definition
All optional attributes	The NE supports the parameter (see TS 23.008 [7]).

#### 4.3.13.4 Notifications

None.

### 4.3.14 SubscriptionFunction

#### 4.3.14.1 Definition

This class represents subscription functionality.

All managed elements related to the subscription of services have this functionality.

This class inherits from ManagedFunction (defined in 32.622 [6]).

This class contains the reference to its aggregated Users.

This class contains the reference to its aggregated Subscriber Profiles.

#### 4.3.14.2 Attributes

Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
Attribute related to role					
theUser	M	M	0	-	-
theSubscriberProfile	M	M	0	-	-

#### 4.3.14.3 Attribute constraints

None.

#### 4.3.14.4 Notifications

None.

### 4.3.15 SuMCSSupplService

#### 4.3.15.1 Definition

This class represents a Supplementary Service for a CS service (see 3GPP TS 23.008 [7]) provided by a service provider

This class contains the valid parameters that define the CS supplementary service from subscription point of view.

## 4.3.15.2 Attributes

Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
sS-Code	M	М	М	-	-
provisioningState	M	M	M	-	-
activationState	M	M	M	-	-
registrationState	0	M	М	-	-
overrideCategory	0	M	М	-	-
cLIRestrictionOption	0	M	M	-	-
forwarded-toNumber	0	M	M	-	-
forwarded-toSubaddress	0	M	М	-	-
noReplyConditionTimer	0	M	М	-	-
maximumEntitledPriority	0	M	М	-	-
defaultPriority	0	M	М	-	-
nbrUser	0	M	М	-	-
nbrSB	0	М	М	-	-

## 4.3.15.3 Attribute constraints

Name	Definition
All optional attributes	The NE supports the parameter (see TS 23.008 [7]).

## 4.3.15.4 Notifications

## 4.3.16 SuMGPRSSupplService

## 4.3.16.1 Definition

This class represents a Supplementary Service for a GPRS service (see 3GPP TS 23.008 [7]) provided by a service provider

This class contains the valid parameters that define the GPRS supplementary service from subscription point of view.

#### 4.3.16.2 Attributes

Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
sS-Code	M	M	M	-	-
provisioningState	M	M	M	-	-
activationState	M	M	M	-	-

## 4.3.16.3 Attribute constraints

Name	Definition
All optional attributes	The NE supports the parameter (see TS 23.008 [7]).

## 4.3.16.4 Notifications

None.

## 4.3.17 SuMUser

#### 4.3.17.1 Definition

This class represents a User.

This class contains the valid parameters that define the User from subscription point of view.

## 4.3.17.2 Attributes

Attribute name Attribute related to role	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
theMobileUserData	M	М	0	-	-
theSubscriber	0	М	0	-	-
theCredentials	M	M	0	-	-
theServiceProfile	M	M	0	-	-
theIdentity	0	M	0	-	-

## 4.3.17.3 Attribute constraints

## 4.3.17.4 Notifications

None.

## 4.3.18 SuMCredentials

## 4.3.18.1 Definition

This class represents a User"s credentials.

This class contains the valid parameters that define the credentials from subscription point of view.

## 4.3.18.2 Attributes

Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
iMSPrivateUserIdentity	M	М	M	-	-
Attribute related to role					
thePublicId	M	M	0	-	-
theServiceProfile	M	М	0	-	-

## 4.3.18.3 Attribute constraints

Name	Definition
	If theServiceProfile points to at least one instance of IMSServiceProfile,
file	thePublicId of the same object instance of SuMCredentials may not point to any instance of IMSPublicIdentification.
	All instances of this relationship from the same object instance of SuMCredentials shall be to object instances of IMSServiceProfile that are
	i) name-contained by the same object instance of SuMUser as name-contains the SuMCredentials object instance, and
	<ul><li>ii) associated (through the relationship to SuMSubscribedService name- contained by SuMSubscriberProfile) to a single object instance of SuMSubscriberProfile.</li></ul>
thePublicId	If thePublicId points to at least one instance of IMSPublicIdentification, theServiceProfile of the same object instance of SuMCredentials may not point to any instance of IMSServiceProfile.
	All instances of this relationship from the same object instance of SuMCredentials shall be to object instances of IMSPublicIdentification that are name-contained by object instances of IMSServiceProfile that are
	<ul> <li>i) name-contained by the same object instance of SuMUser as name-contains the SuMCredentials object instance, and</li> </ul>
	<ul><li>ii) associated (through the relationship to SuMSubscribedService name- contained by SuMSubscriberProfile) to a single object instance of SuMSubscriberProfile.</li></ul>

## 4.3.18.4 Notifications

## 4.3.19 IMSPublicIdentification

## 4.3.19.1 Definition

This class represents the IMS Public Identification (see 3GPP TS 23.008 [7] and 3GPP TS 29.228 [8]).

This class contains the valid parameters that define the IMS Public Identification from subscription point of view.

## 4.3.19.2 Attributes

Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
publicUserIdentity	M	М	М	-	-
barringIndication	M	М	M	-	-

## 4.3.19.3 Attribute constraints

None.

## 4.3.19.4 Notifications

None.

## 4.3.20 MobileUserData

## 4.3.20.1 Definition

This class represents user data of a mobile User Equipment.

This class contains the valid parameters that define the user data of the mobile User Equipment from subscription point of view.

#### 4.3.20.2 Attributes

Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
theServiceProfile	M	M	0	-	-
iMSI	M	M	M	-	-
mSISDN	M	M	M	-	-
multinumberingMSISDNs	M	M	M	-	-
iMEISV	0	M	-	-	-

## 4.3.20.3 Attribute constraints

None.

## 4.3.20.4 Notifications

## 4.3.21 SuMServiceParameter

#### 4.3.21.1 Definition

This class represents a structured Service Parameter defined for a service and is an abstract class provided for subclassing only.

This class shall be used as a base when having the requirement to provision common shared data referred to by specific SuMSubscribedService or SuMServiceProfile instances.

4.3.21.2 Attributes

None.

4.3.21.3 Attribute constraints

None.

4.3.21.4 Notifications

None.

## 4.3.22 SuMIdentity

#### 4.3.22.1 Definition

This class represents a user related identity, regardless of any type service to be provisioned and is an abstract class provided for sub-classing only.

This class allows an identity to be used for multiple services.

4.3.22.2 Attributes

None.

4.3.22.3 Attribute constraints

None.

4.3.22.4 Notifications

None.

## 4.3.23 ServerCapabilities

## 4.3.23.1 Definition

This class is used to provision common shared ServerCapabilities data referred by specific SuMSubscribedService or SuMServiceProfile instances.

This class contains information to assist the I-CSCF in the selection of an S-CSCF for an IMS subscriber or a PSI user.

## 4.3.23.2 Attributes

Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
serverCapabilities	M	M	M	-	-

4.3.23.3 Attribute constraints

None.

4.3.23.4 Notifications

None.

4.3.24 EPSService

4.3.24.1 Definition

This class represents an EPS service (see 3GPP TS 23.008 [7]) provided by a service provider. This class contains the valid parameters that define the EPS service from a subscription point of view.

## 4.3.24.2 Attributes

Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
accessPointName	0	M	M	-	-
access Restriction Data	0	M	M	-	-
aPNAMBR	M	M	M	-	-
barringofPacketOrientedService s	0	М	М	-	-
contextIdentifier	M	M	M	_	_
operatorDeterminedBarringPLMNs	O	M	M	_	<u> </u>
pecificData		IVI	IVI	_	
pDNAddress	0	М	М	-	_
rSZILists	0	M	M	-	-
sTNSR	0	М	М	-	-
subscribedChargingCharacterist	0	М	М	-	-
ics					
subscriberStatus	0	M	M	-	-
networkAccessMode	M	M	M	-	-
barringOfOutgoingCalls	0	M	M	-	-
barringOfRoaming	0	M	M	-	-
privacyExceptionList	0	M	M	-	-
gMLCNumbers	0	M	M	-	-
mOLRList	0	M	M	-	-
serviceTypes iCSIndicator	0	M	M	-	-
	0	M	M	-	-
aPNOIReplacement subscribedUEAMBR	O M	M M	M M	-	-
aPNConfigurationProfile	M	M	M	-	-
rFSP	O	M	M	-	-
vPLMNAddressAllowed-EPS	M	M	M	-	_
pDNGWIdentity	O	M	M	-	
ePSPDNConnectionChargingCharac	0	M	M	_	_
teristics					
pDNGWAllocationType	M	М	М	-	-
aPNLevelAPNOIReplacement	0	М	М	-	-
closedSubscriberGroupInformati	0	М	М	-	-
on					
listofauthorizedvisitednetwork	0	M	M	-	-
identifiers					
staticWLANUERemoteIPAddressLis	0	М	М	-	-
w-APNBarringTypeList	0	М	М	_	_
w-APNChargingDataList	Ö	M	M	_	_
wLANUERemoteIPAddress	0	M	M	-	_
accessDependenceFlag	0	M	M	-	_
chargingCharacteristics	0	M	M	-	-
primaryOCSChargingFunctionName	0	M	M	-	-
secondaryOCSChargingFunctionNa	0	M	M	-	-
me					
primaryChargingCollectionFunct ionName	0	М	М	-	-
secondaryChargingCollectionFun	0	M	M		
ctionName		IVI	IVI	_	_
w-APNIdentifierList	0	M	М	_	-
maxNumberAccessesList	0	M	M	_	_
maxSubscribedBandwidth	0	M	M	_	-
subscribed3GPPWLANQoSProfile	0	M	M	-	-
permanentUserIdentity	0	M	M	-	-
mIPSubscriberProfile	0	M	M	-	-
accessRestrictionData	0	М	М	-	-
1	î	•	š	•	š

## 4.3.24.3 Attribute constraints

Name	Definition
All optional attributes	The NE supports the parameter (see TS 23.008 [7]).

## 4.3.24.4 Notifications

None.

## 4.3.25 EPSSubscribedService

## 4.3.25.1 Definition

This class represents subscription to an EPS service (see 3GPP TS 23.008 [7]) for a subscriber. The entire set of EPS subscribed services owned by a subscriber constitutes the subscriber subscribed Services Profile for EPS services.

This class contains the agreed (between the Subscriber and the Service Provider) parameter settings for an EPS service that a Subscriber subscribes to.

## 4.3.25.2 Attributes

Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
accessPointName	O O	M	M	isilivalialit	isivotiiyable
access Restriction Data	0	M	M	-	-
aPNAMBR				-	-
	M	M	M	-	-
barringofPacketOrientedServices contextIdentifier	0	M	M	-	-
	M	M	M	-	-
operatorDeterminedBarringPLMNspec	0	M	M	-	-
ificData					
pDNAddress	0	M	M	-	-
rSZILists	0	M	M	-	-
STNSR	0	M	M	-	-
subscribedChargingCharacteristics	0	M	M	-	-
subscriberStatus	0	M	M	-	-
networkAccessMode	M	M	M	-	-
barringOfOutgoingCalls	0	M	M	-	-
barringOfRoaming	0	M	M	-	-
privacyExceptionList	0	M	M	-	-
gMLCNumbers	0	M	M	-	-
mOLRList	0	M	M	-	-
serviceTypes	0	M	М	-	-
iCSIndicator	0	M	М	-	-
aPNOIReplacement	0	M	М	-	-
subscribedUEAMBR	M	M	М	-	-
aPNConfigurationProfile	M	M	М	-	-
rFSP	0	M	М	-	-
vPLMNAddressAllowed-EPS	M	M	M	-	-
pDNGWIdentity	0	M	M	-	-
ePSPDNConnectionChargingCharacter	0	M	M	-	_
istics		.,,	.,,		
pDNGWAllocationType	M	М	М	-	-
aPNLevelAPNOIReplacement	0	M	M	-	_
closedSubscriberGroupInformation	0	M	M	_	_
Listofauthorizedvisitednetworkide	0	M	M	_	_
ntifiers		141	141		
wLANUERemoteIPaddress	0	M	М	-	_
staticWLANUERemoteIPAddressList	0	M	M	_	_
w-APNBarringTypeList	0	M	M	_	_
w-APNCharqingDataList	0	M	M	_	_
accessDependenceFlag	0	M	M	-	_
chargingCharacteristics	0	M	M	-	-
primaryOCSChargingFunctionName	0	M	M		
secondaryOCSChargingFunctionName	0	M	M	-	-
primaryChargingCollectionFunction	0			-	-
Name	U	M	M	-	-
secondaryChargingCollectionFuncti	0	N 4	N 4		
onName	0	M	M	-	-
w-APNIdentifierList	0	N 4	K 4		_
maxNumberAccessesList		M	M	-	
	0	M	M	-	-
maxSubscribedBandwidth	0	M	M	-	-
subscribed3GPPWLANQoSProfile	0	M	M	-	-
permanentUserIdentity	0	M	M	-	-
mIPSubscriberProfile	0	M	M	-	-
accessRestrictionData	0	M	M	-	-

## 4.3.25.3 Attribute constraints

Name	Definition
All optional attributes	The NE supports the parameter (see TS 23,008 [7]).

## 4.3.25.4 Notifications

None.

## 4.3.26 EPSServiceProfile

## 4.3.26.1 Definition

This class represents for a subscribed EPS service (see 3GPP TS 23.008 [7]) the service preferences and settings chosen for a user.

## 4.3.26.2 Attributes

Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
aPNAMBR	M	M	M	-	-
contextIdentifier	M	M	M	-	-
pDNAddress	0	M	M	-	-
aPNOIReplacement	0	M	M	-	ı
subscribedUEAMBR	M	M	M	-	-
aPNConfigurationProfile	M	M	M	-	-
rFSP	0	M	M	-	-
pDNGWIdentity	0	M	M	-	-
ePSPDNConnectionChargingCharacteris	0	М	M	-	-
tics					
vPLMNAddressAllowed-EPS	M	M	M	-	-
pDNGWAllocationType	M	M	M	-	-
aPNLevelAPNOIReplacement	0	M	M	-	-
roamingRestrictionDueToUnsupportedF	M	М	-	-	-
eatureMME					
roamingRestrictionDueToUnsupportedF	M	M	-	-	-
eatureSGSN					
mSPurgedForEPSFlag	M	M	-	-	
urrpmme	0	M	-	-	•
mMEName	M	M	-	-	-
sGSNName	M	M	-	-	-
iWFNumber	0	М	-	-	-
sGSNAreaRestrictedFlag	M	М	-	-	-
Attribute related to role					
theOptHandover3GPP2Par	M	M	0	-	-
theNon3GPPAccessPar	M	М	0	-	-

## 4.3.26.3 Attribute constraints

Name	Definition
All optional attributes	The NE supports the parameter (see TS 23.008 [7]).

## 4.3.26.4 Notifications

## 4.3.27 PSCommonServiceProfile

## 4.3.27.1 Definition

This is an abstract IOC provided for sub-classing only. It provides attribute(s) that are common to PS Service Profile IOCs (Regarding GPRS or EPS service, please see 3GPP TS 23.008 [7]).

## 4.3.27.2 Attributes

Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
roamingRestrictedintheSGSNduetoun	M	M	-	-	-
supportedfeature					
barringofPacketOrientedServices	0	M	M	-	-
iPAddressOfTraceCollectionEntity	0	М	-	-	-
accessPointName	0	М	М	-	-
subscribedChargingCharacteristics	0	M	M	-	-
sTNSR	0	M	M	-	-
closedSubscriberGroupInformation	0	M	М	-	-
theIWANPar	M	M	0	-	-

## 4.3.27.3 Attribute constraints

Name	Definition
All optional attributes	The NE supports the parameter (see TS 23.008 [7]).

## 4.3.27.4 Notifications

## 4.3.28 IWANParameters

## 4.3.28.1 Definition

This class represents for a subscribed GPRS or EPS service (see 3GPP TS 23.008 [7]) the service preferences and settings chosen for a user that are relevant to IWAN services.

## 4.3.28.2 Attributes

Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
w-APN	0	M	-	-	ı
listofauthorizedvisitednetwo	0	M	M	-	-
rkidentifiers					
3GPPAAAServerName	0	M	-	-	-
3GPPAAAProxyName	0	M	-	-	-
wLANUERemoteIPaddress	0	M	М	-	-
staticWLANUERemoteIPAddressL	0	M	М	-	-
ist					
w-APNBarringTypeList	0	M	M	-	-
w-APNChargingDataList	0	M	M	-	-
accessDependenceFlag	0	M	M	-	-
i-WLANAccessType	0	M	-	-	-
wLANIdentifierList	0	M	M	-	-
maxNumberAccessesList	0	M	М	-	-
maxSubscribedBandwidth	0	M	M	-	-
subscribed3GPPWLANQoSProfile	0	M	М	-	-
chargingCharacteristics	M	M	М	-	-
primaryOCSChargingFunctionNa	0	M	М	-	-
me					
secondaryOCSChargingFunction	0	M	М	-	-
Name					
primaryChargingCollectionFun	0	M	М	-	-
ctionName					
secondaryChargingCollectionF	0	M	M	-	-
unctionName					
userStatus	M	M	-	-	-

## 4.3.28.3 Attribute constraints

Name	Definition
All optional attributes	The NE supports the parameter (see TS 23.008 [7]).

## 4.3.28.4 Notifications

## 4.3.29 OptHandover3GPP2Parameters

## 4.3.29.1 Definition

This class represents for a subscribed EPS service (see 3GPP TS 23.008 [7]) the service preferences and settings chosen for a user that are relevant to the optimization of handover to a 3GPP2 network.

## 4.3.29.2 Attributes

Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
rATType	0	M	-	-	-

## 4.3.29.3 Attribute constraints

Name	Definition
All optional attributes	The NE supports the parameter (see TS 23.008 [7]).

## 4.3.29.4 Notifications

None.

## 4.3.30 Non3GPPAccessParameters

## 4.3.30.1 Definition

This class represents for a subscribed EPS service (see 3GPP TS 23.008 [7]) the service preferences and settings chosen for a user that are relevant to use of a non-3GPP access network.

## 4.3.30.2 Attributes

Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
rATType	0	M	-	-	-
visitedNetworkIdentifier	0	M	-	-	-
mIPSubscriberProfile	М	M	M	-	-
permanentUserIdentity	M	M	M	-	-

## 4.3.30.3 Attribute constraints

Name	Definition
All optional attributes	The NE supports the parameter (see TS 23.008 [7]).

#### 4.3.30.4 Notifications

## 4.3.31 Common3GPPAccessServiceProfile

## 4.3.31.1 Definition

This is an abstract IOC provided for sub-classing only. It provides attribute(s) that are common to CS/PS Service Profile IOCs (Regarding CS, GPRS or EPS service, please see 3GPP TS 23.008 [7]).

## 4.3.31.2 Attributes

Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
rSZIlists	0	М	M	-	-
accessRestrictionData	0	M	M	-	-
subscriberStatus	0	М	M	-	-
barringOfOutgoingCalls	0	M	M	-	-
barringOfRoaming	0	М	M	-	-
operatorDeterminedBarringPLMNs	0	М	M	-	-
pecificData					
traceReference2	0	M	-	-	-
traceDepth	0	M	-	-	-
listOfNETypestoTrace	0	M	-	-	-
triggeringEvents	0	M	-	-	-
listOfInterfacesToTrace	0	М	-	-	-
privacyExceptionList	0	М	M	-	-
gMLCNumbers	0	М	M	-	-
iCSIndicator	0	М	M	-	-
mOLRList	0	М	M	-	-
serviceTypes	0	М	M	-	-
networkAccessMode	M	М	M	-	-

## 4.3.31.3 Attribute constraints

Name	Definition
All optional attributes	The NE supports the parameter (see TS 23.008 [7]).

## 4.3.31.4 Notifications

None.

## 4.4 Attribute definitions

## 4.4.1 Attribute properties

The following table defines the properties of attributes specified in the present document.

Attribute Name	Documentation and Allowed values	Properties
suMSubscriberProfileInfo	A description of (information for) the Subscriber Profile.	type: String
	It is with free structure and format.	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
iMSI	23.008 clause 2.1.1.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
networkAccessMode	23.008 clause 2.1.1.2	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
mSISDN	23.008 clause 2.1.2	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
multinumberingMSISDNs	23.008 clause 2.1.3	type: < <datatype>&gt;</datatype>
		multiplicity: 1
	It is a sequence of two items:	isOrdered: N/A
	An MSISDN number (string)	isUnique: N/A
	2) A multinumberingMSISDNIndicator which can	defaultValue: None
	be one of two choices:	isNullable: False
	a. 'BASIC'	
	b. 'ALERT'	
	allowedValues: N/A	
basicMSISDNIndicator	00 000 -1 0.4.0.4	tura e Oteira e
basicMSISDNIndicator	23.008 clause 2.1.3.1	type: String
		multiplicity: 1
		isOrdered: N/A
	allowedValues: N/A	isUnique: N/A defaultValue: None
	allowed values. N/A	
mCTCDNAl cost To di cost cos	00 000 -1 0.4 0.0	isNullable: False
mSISDNAlertIndicator	23.008 clause 2.1.3.2	type: String
		multiplicity: 1
		isOrdered: N/A
	ollowed\/aluge: N/A	isUnique: N/A
	allowedValues: N/A	defaultValue: None
lmsi	22 000 days 2 1 0	isNullable: False
11.121	23.008 clause 2.1.8	type: String
		multiplicity: 1 isOrdered: N/A
	allowedValues: N/A	isUnique: N/A defaultValue: None
	allowed values. IV/A	
mobileStationCategory	23.008 clause 2.2.1	isNullable: False type: String
""ODITES CACTOFF CACEGOLY	23.000 Gause 2.2.1	
		multiplicity: 1
		isOrdered: N/A isUnique: N/A
	lallowedValues: N/A	defaultValue: None
	allowed values. IV/A	isNullable: False
lMUIdentifier	22 009 days 2 2 2	
Imordenciriet	23.008 clause 2.2.2	type: String multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. IV/A	
		isNullable: False

'MDT GIT	0.00	
iMEISV	23.008 clause 2.2.3	type: String
		multiplicity: 1
		isOrdered: N/A
	- Harris - IV/a live av NI/A	isUnique: N/A
	allowedValues: N/A	defaultValue: None
1 1 1 2 1 1 1	00.000 1 0.440	isNullable: False
subscriptionRestriction	23.008 clause 2.4.10	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
rSZIlists	23.008 clause 2.4.11.1	type: String
		multiplicity: 1
		isOrdered: N/A
	- H	isUnique: N/A
	allowedValues: N/A	defaultValue: None
	00.000 1 0.440	isNullable: False
mSCAreaRestrictedFlag	23.008 clause 2.4.12	type: String
		multiplicity: 1
		isOrdered: N/A
	allowed\/akuasi N/A	isUnique: N/A
	allowedValues: N/A	defaultValue: None
accompany and the state of the	00,000 alaura 0,4.4.4	isNullable: False
sGSNarearestrictedflag	23.008 clause 2.4.14	type: String
		multiplicity: 1
		isOrdered: N/A
	- H	isUnique: N/A
	allowedValues: N/A	defaultValue: None
	00.000 1 0.445 4	isNullable: False
oDBinducedBarringData	23.008 clause 2.4.15.1	type: String
		multiplicity: 1
		isOrdered: N/A
	H N/ I N/A	isUnique: N/A
	allowedValues: N/A	defaultValue: None
	20.000 1 0.445 0	isNullable: False
roamingRestrictionDueToU	23.008 clause 2.4.15.2	type: String
nsupportedFeature		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	00 000 -1 0 4 45 0	isNullable: False
roamingRestrictedintheSG	23.008 clause 2.4.15.3	type: String
SNduetounsupportedfeatur		multiplicity: 1
e		isOrdered: N/A
	allowedValues: N/A	isUnique: N/A
	allowed values. IV/A	defaultValue: None isNullable: False
lSAIdentity	23.008 clause 2.4.17.1	
IDATUELICICY	23.000 Clause 2.4.17.1	type: String multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. IV/A	isNullable: False
lSAPriority	23.008 clause 2.4.17.2	type: String
IDAPLIOLICY	23.000 Gause 2.4.17.2	
		multiplicity: 1 isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	
	allowed values. N/A	defaultValue: None
1CADroforontiolarcocci	22.000 alauga 2.4.47.04	isNullable: False
lSAPreferentialAccessInd	23.008 ciause 2.4.17.2A	type: String
icator		multiplicity: 1
		isOrdered: N/A
	allowed\/akuasi N/A	isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False

lsAActiveModeSupportIndi	23.008 clause 2.4.17.2B	type: String
cator		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. 14/7 (	isNullable: False
1070ml7 ===================================	00.000 -1 0.4.47.0	
lSAOnlyAccessIndicator	23.008 clause 2.4.17.3	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
lSAActiveModeIndicator	23.008 clause 2.4.17.4	type: String
ISAACCIVEMODEINDICACOI	23.006 clause 2.4.17.4	
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
vPLMNIdentifier	23.008 clause 2.4.17.5	type: String
VIENTUCTICE	25.000 Glause 2.4.17.5	
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
accessRestrictionData	23.008 clause 2.4.18	type: String
	25.000 Glause 2.4.10	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
vLRNumber	23.008 clause 2.4.5	type: String
	20.000 0.0000 2	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
mSCNumber	23.008 clause 2.4.6	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	  allowedValues: N/A	defaultValue: None
	allowed values: N/A	
		isNullable: False
sGSNNumber	23.008 clause 2.4.8.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. IV/A	
		isNullable: False
gGSNNumber	23.008 clause 2.4.8.2	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. IV/A	
1 1 252	00.000 1 0.5.4	isNullable: False
provisionOfBearerService	23.008 clause 2.5.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	anomou valuos. 14/74	isNullable: False
	00.000 1 0.50	
provisionOfTeleservice	23.008 clause 2.5.2	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. IN/A	
1	1	isNullable: False

1 07 17	00.000 1 0.50	1. 0.:
bCAllocation	23.008 clause 2.5.3	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	anoviou valuos. 14/7 t	isNullable: False
transferofSMoption	23.008 clause 2.5.4	
ClausterorsMopClon	23.008 clause 2.5.4	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
mNRG	23.008 clause 2.7.2	type: String
IIINKG	23.000 Gause 2.7.2	
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
checkSSIndicator	23.008 clause 2.7.4.4	type: String
	20.000 010000 2.7.7.7	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
mSPurgedForNonGPRSFlag	23.008 clause 2.7.5	type: String
	25.000 014400 2.7.0	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
mSpurgedforGPRSflag	23.008 clause 2.7.6	type: String
mopargearor normag	25.000 Gladse 2.7.0	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
mNRRMSC	23.008 clause 2.7.7	type: String
	20.000 014436 2.7.7	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
subscriberStatus	23.008 clause 2.8.1	type: String
	25.555 514455 2.5.1	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
barringOfOutgoingCalls	23.008 clause 2.8.2.1	type: String
J = 1 = 1 = 3 = 2 = 2 = 2 = 2 = 2 = 2 = 2 = 2 = 2	25.555 514455 2.5.2.1	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
barringOfIncomingCalls	23.008 clause 2.8.2.2	type: String
J		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
barringOfRoaming	23.008 clause 2.8.2.3	type: String
J :	25.556 5.4466 2.6.2.6	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
l		1.2.10.00.01.100

barringOfPremiumRateCall	23.008 clause 2.8.2.4	type: String
s		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
barringOfSupplementarySe	23.008 clause 2.8.2.5	type: String
rviceManagement	20.000 0.000 2.0.2.0	multiplicity: 1
1 Viceranagement		
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
barringOfRegistrationOfC	23 008 clause 2.8.2.6	type: String
allForwarding	25.000 014450 2.0.2.0	
aliroiwaluliig		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
barringOfInvocationOfCal	22.000 days 2.0.2.7	
	23.006 Clause 2.6.2.1	type: String
lTransfer		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
hamina En la colonia de	00.000 1 0.000	
barringofPacketOrientedS	23.008 clause 2.8.2.8	type: String
ervices		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. IVA	
		isNullable: False
operatorDeterminedBarrin	23.008 clause 2.8.3	type: String
gPLMNspecificData		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
notificationToCSEFlagFor	23.008 clause 2.8.4	type: String
ODB		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	II DV I NI/A	
	allowedValues: N/A	defaultValue: None
		isNullable: False
gsmSCFaddresslistForODB	23.008 clause 2.8.5	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
messagesWaitingData	23.008 clause 2.10.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
mobileStationNotReachabl	23 008 clause 2 10 2	type: String
eFlag	25.555 514465 2.15.2	multiplicity: 1
C1 149		
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
memoryCapacityExceededFl	22 009 dayso 2 10 2	
	23.000 Clause 2.10.3	type: String
ag		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. IV/A	
Î.	1	lisNullable: False

traceReference	23.008 clause 2.11.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
traceType	23.008 clause 2.11.2	type: String
71	20.000 014460 2.1112	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
operationsSystemsIdentit	22 009 clause 2 11 2	type: String
	25.000 clause 2.11.5	
У		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
la I Difference de Companyo	00.000 -1 0.44.4	
hLRTraceType	23.008 clause 2.11.4	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	anomou valuos. 14//1	
		isNullable: False
mAPErrorOnTrace	23.008 clause 2.11.5	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowed Value of N/A	
	allowedValues: N/A	defaultValue: None
		isNullable: False
traceActivatedInVLR	23.008 clause 2.11.6	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
traceActivatedinSGSN	23.008 clause 2.11.7	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
vGCSGroupMembershipList	23.008 clause 2.12.1	type: String
Joe _ Gapile in Clothip in the	20.000 010000 2.12.1	
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
vBSGroupMembershipList	23.008 clause 2.12.2	
A DOG TO OT DISTERNATION OF STREET	23.000 Clause 2.12.2	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	anomou valuos. 14//1	
1 1 1 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	00000	isNullable: False
broadcastCallInitiationA	23.008 clause 2.12.2.1	type: String
llowedList		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	alloweuvalues. IV/A	
		isNullable: False
pDPType	23.008 clause 2.13.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False

gGSNlist	23.008 clause 2.13.11	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
qualityofServiceSubscrib	23.008 clause 2.13.12	type: String
ed		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
pDPAddress	23.008 clause 2.13.2	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
pDPContextIdentifier	23.008 clause 2.13.24	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
pDPContextChargingCharac	23.008 clause 2.13.25	type: String
teristics		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
accessPointName	23.008 clause 2.13.6	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
vPLMNAddressAllowed	23.008 clause 2.13.8	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
vPLMNAddressAllowed-EPS	23.008 clause 2.13.40	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
originatingCAMELSubscrip	23.008 clause 2.14.1.1/3.1	type: String
tionInformationOCSI		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
gPRSCAMELSubscriptionInf	23.008 clause 2.14.1.10/2.14.4.4	type: String
ormationGPRSCSI		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
dialledServiceCAMELSubsc	23 008 clause 2 14 1 11/3 7	type: String
riptionInformationDCSI		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. IN/A	isNullable: False
	<u> </u>	JISTAULIADIE. FAISE

mobilityManagementforGPR	23.008 clause 2.14.1.12/2.14.4.4	type: String
SeventnotificationMGCSI		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. IN/A	
		isNullable: False
terminatingCAMELSubscrip	23.008 clause 2.14.1.2	type: String
tionInformationTCSI		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	anowed values. 14/71	isNullable: False
MOCES ' L' CAMPIGE	00.000   0.444.0/0.0	
vMSCTerminatingCAMELSubs	23.008 clause 2.14.1.2/3.2	type: String
criptionInformationVTCSI		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
locationInformationSubsc	22 009 alougo 2 14 1 2	type: String
	23.006 Clause 2.14.1.3	
riberStateInformation		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
uSSDCAMELSubscriptionInf	22 009 dayso 2 14 1 4	type: String
	23.006 Clause 2.14.1.4	
ormationUCSI		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
sSInvocationNotification	22 000 clause 2 14 1 E/2 2	
	23.006 Clause 2.14.1.5/3.2	type: String
SSCSI		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
translationInformationFl	23 008 clause 2 14 1 6/3 6	type: String
	25.000 Gause 2.14.1.0/5.0	
agTIFCSI		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
shortMessageServiceCAMEL	23 008 clause 2 1/1 1 8/2 1/1 3 5	type: String
SubscriptionInformationM	20.000 0iaa00 2.1 1.1.0/2.17.0.0	multiplicity: 1
OSMSCSI		
CompCol		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
mOShortMessageServiceCAM	23.008 clause 2.14.1.8/2.14.4.1	type: String
ELSubscriptionInformatio		multiplicity: 1
nMOSMSCSI		
TENOPMECET		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
shortMessageServiceCAMEL	23.008 clause 2.14.1.9/2.14.3.6	type: String
SubscriptionInformationM		multiplicity: 1
TSMSCSI		isOrdered: N/A
IDIIDCDI		
	H 157 1 51/5	isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
mTShortMessageServiceCAM	23.008 clause 2.14.1.9/2.14.4.2.	type: String
ELSubscriptionInformatio		multiplicity: 1
nMTSMSCSI		isOrdered: N/A
IIIII OPIOCOI		
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False

annagarna actiot of Camer Co	22 000 days 2 14 2 4	At the set of Charles or
gPRSCSINegotiatedCAMELCa	23.008 clause 2.14.2.1	type: String
pabilityHandling		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
mCSINegotiatedCAMELCapab	23.008 clause 2.14.2.1	type: String
ilityHandling		multiplicity: 1
		isOrdered: N/A
	H D/ L N/A	isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
mGCSINegotiatedCAMELCapa	23.008 clause 2.14.2.1	type: String
bilityHandling		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. 14/A	isNullable: False
	00.000   0.440.4	
mOSMSCSISGSNNegotiatedCA	23.008 clause 2.14.2.1	type: String
MELCapabilityHandling		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
mOSMSCSIVLRNegotiatedCAM	23 008 clause 2 14 2 1	type: String
ELCapabilityHandling	20.000 Glause 2. 17.2. 1	multiplicity: 1
ELCapabilityHalldling		
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
mTSMSCSISGSNNegotiatedCA	23.008 clause 2.14.2.1	type: String
MELCapabilityHandling		multiplicity: 1
Indicapability namaling		isOrdered: N/A
	H N/ I N/A	isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
mTSMSCSIVLRNegotiatedCAM	23.008 clause 2.14.2.1	type: String
ELCapabilityHandling		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. N/A	
		isNullable: False
oCSINegotiatedCAMELCapab	23.008 clause 2.14.2.1	type: String
ilityHandling		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
sSCSINegotiatedCAMELCapa	22 009 days 2 14 2 4	
	23.000 Clause 2.14.2.1	type: String
bilityHandling		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
vTCSINegotiatedCAMELCapa	23 008 clause 2 14 2 1	type: String
bilityHandling	20.000 010000 2.11 1.2.1	multiplicity: 1
ZIII CYNANAI IN		
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
SGSNOfferedCAMEL4CSIs	23.008 clause 2.14.2.2A	type: String
		multiplicity: 1
		isOrdered: N/A
	allowed Value of NI/A	isUnique: N/A
	allowedValues: N/A	defaultValue: None
1		isNullable: False

vLROfferedCAMEL4CSIs sGSNSupportedCAMELPhases	23.008 clause 2.14.2.2A allowedValues: N/A	type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None
sGSNSupportedCAMELPhases	allowedValues: N/A	isOrdered: N/A isUnique: N/A
sGSNSupportedCAMELPhases	allowedValues: N/A	isUnique: N/A
sGSNSupportedCAMELPhases	allowedValues: N/A	
sGSNSupportedCAMELPhases	allowedValues: N/A	
sGSNSupportedCAMELPhases		idelault value, INUIT
sGSNSupportedCAMELPhases		isNullable: False
	23 008 clause 2 14 2 2	type: String
	23.000 Gause 2.14.2.2	
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
vLRSupportedCAMELPhases	23.008 clause 2.14.2.2	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allawad\/alwaa, NI/A	defectly follows None
	allowedValues: N/A	defaultValue: None
		isNullable: False
gsmSCFaddressforCSI	23.008 clause 2.14.2.4	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. N/A	
- GGDG 1 GTMTT C	00.000 1 0.440.0	isNullable: False
uSSDGeneralCAMELServiceI	23.008 clause 2.14.2.3	type: String
nformationUGCSI		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
iSTAlertTimer	23.008 clause 2.15.1	
ISTATETUTIMET	23.008 clause 2.15.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
privacyExceptionList	23.008 clause 2.16.1.1	type: String
PII.acjincoporonii	20.000 010000 2.10.1.1	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
gMLCNumbers	23.008 clause 2.16.1.2	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	alioweuvalues. IN/A	
0.777		isNullable: False
mOLRList	23.008 clause 2.16.1.3	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
serviceTypes	23.008 clause 2.16.1.4	
per Arcer Abea	23.000 Gause 2.10.1.4	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
ageIndicator	23.008 clause 2.17.1	type: String
	20.000 014400 2.17.1	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False

cSAllocationRetentionpri	23.008 clause 2.18.1	type: String
ority		multiplicity: 1
Officy		
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. N/A	
		isNullable: False
subscribedChargingCharac	23.008 clause 2.19.1	type: String
teristics		multiplicity: 1
teristics		
		isOrdered: N/A
		isUnique: N/A
	- II IV / - I N I / A	
	allowedValues: N/A	defaultValue: None
		isNullable: False
iMSPrivateUserIdentity	23.008 clause 3.1.1	type: String
IMBFII Vaceusel Identity	23.000 clause 3.1.1	
		multiplicity: 1
		lisOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
	00.000   0.4.0	
publicUserIdentity	23.008 clause 3.1.2	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
barringIndication	23.008 clause 3.1.3	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. IV/A	
		isNullable: False
listofauthorizedvisitedn	23 008 clause 3 1 4	type: String
etworkidentifiers	23.008 clause 3B.1.4	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
		defaultValue: None
	allowedValues: N/A	isNullable: False
		ior ramazior i alco
registrationStatus	23.008 clause 3.2.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. 14/10	
		isNullable: False
sCSCFName	23.008 clause 3.2.2	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	
	allowed values. IV/A	defaultValue: None
		isNullable: False
diameterClientAddressofS	23 008 clause 3 2 3	type: String
	20.000 014400 0.2.0	
CSCF		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
serverCapabilities	23.008 clause 3.4.1	
ber sercabanitings	23.000 Clause 3.4. I	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
initialFilterCriteriaLis		type: < <datatype>&gt;</datatype>
	This attribute is a list which contains multiple items of	riypo. < datatypo>>
	This attribute is a list which contains multiple items of	
t	This attribute is a list which contains multiple items of initialFilterCriteria (Ref. 23.008 clause 3.5.2)	multiplicity: 1*
		multiplicity: 1* isOrdered: False
	initialFilterCriteria (Ref. 23.008 clause 3.5.2)	multiplicity: 1* isOrdered: False
		multiplicity: 1* isOrdered: False isUnique: True
	<pre>initialFilterCriteria (Ref. 23.008 clause 3.5.2) It is a set of initialFilterCriteria (string)</pre>	multiplicity: 1* isOrdered: False isUnique: True defaultValue: None
	<pre>initialFilterCriteria (Ref. 23.008 clause 3.5.2) It is a set of initialFilterCriteria (string)</pre>	multiplicity: 1* isOrdered: False isUnique: True
	initialFilterCriteria (Ref. 23.008 clause 3.5.2)	multiplicity: 1* isOrdered: False isUnique: True defaultValue: None

applicationServerInforma	23.008 clause 3.5.3	type: String
tion		multiplicity: 1
		isOrdered: N/A
	II DV I NIVA	isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
serviceIndicationList	This attribute is a list which contains multiple items of	type: < <datatype>&gt;</datatype>
	serviceIndication (Ref. 23.008 clause 3.5.4)	multiplicity: 1*
	Service in a reason (non 201000 states of the service in a service in	isOrdered: N/A
	It is a not of a sund as To Id as the sur (otring)	
	It is a set of serviceIndication (string)	isUnique: N/A
		defaultValue: None
		isNullable: True
	allowedValues: N/A	
subscribedMediaProfileId	23 008 clause 3 6 1	type: String
entifier	23.000 Gause 3.0.1	
encifier		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
primaryEventChargingFunc	23 008 clause 3.7.1	type: String
tionName		
CIOIIIVallie	23.008 clause 3B.7.4	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
		defaultValue: None
	allowedValues: N/A	isNullable: False
	anomou valdos. 1471	ioi valiabio. I aloo
secondaryEventChargingFu	22 000 days 2 7 2	turn au Ctuin a
		type: String
nctionName	23.008 clause 3B.7.5	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
		defaultValue: None
	allowedValues: N/A	isNullable: False
	allowed values. N/A	isivullable. I alse
primaryChargingCollectio	00.000 -1 0.7.0	tura au Otrána r
	23.008 clause 3.7.3	type: String
nFunctionName		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
secondaryChargingCollect	22 009 days 2 7 4	
	23.006 clause 3.7.4	type: String
ionFunctionName		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
qsmSCFaddressforIMCSI	23.008 clause 3.8.4	type: String
Semectadoression incor	23.000 Gause 3.0.4	
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
iMSSFaddressforIMCSI	23.008 clause 3.8.5	type: String
THIODE AUGITED STOLINGS I	23.000 Gause 3.0.0	
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
oIMCSI	23.008 clause 3.8.1	
OTMCST	23.000 Clause 3.0.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
		וטו זעוומטופ. ו מוסכ

TIMOGT	00 000 -1 0 0 0	1 Otain -
vTIMCSI	23.008 clause 3.8.2	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
dIMCS	23.008 clause 3.8.3	type: String
dires	25.000 Glause 5.0.5	
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
gAAServiceType	23.008 clause 3A.1	type: String
grandervicetype	20.000 014430 071.1	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
gAAServiceIdentifier	23.008 clause 3A.2	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
gBAUserSecuritySettings	23.008 clause 3A.3	type: String
		multiplicity: 1
		isOrdered: N/A
	H N/ 1 N/A	isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
userSecuritySetting	23.008 clause 3A.4	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	- H	
	allowedValues: N/A	defaultValue: None
		isNullable: False
userPublicIdentity	23.008 clause 3A.5	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. N/A	
		isNullable: False
gAAAuthorizationflag	23.008 clause 3A.6	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
lroveT i fot i mo	22 000 alaysa 24 0	
keyLifetime	23.008 clause 3A.8	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
uICCSecuritySetting	23.008 clause 3A.9	type: String
arconcourreybecting	20.000 Gause JA.8	
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
nAFGroupIdentity	23.008 clause 3A.11	type: String
	20.000 Gause JA. I I	
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
		J. S. Tallabiot I 4100

w-APN	23.008 clause 3B.1.3	type: String
		multiplicity: 1
		isOrdered: N/A
	II N. 1 1/2	isUnique: N/A
	allowedValues: N/A	defaultValue: None
2677776	00.000 1 00.00	isNullable: False
3GPPAAAServerName	23.008 clause 3B.1.6	type: String
		multiplicity: 1
		isOrdered: N/A
	H N/ I N/A	isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
wLANUERemoteIPaddress	23.008 clause 3B.1.10	type: String
		multiplicity: 1
		isOrdered: N/A
	H N/ I N/A	isUnique: N/A
	allowedValues: N/A	defaultValue: None
	00.000 1 00.511	isNullable: False
staticWLANUERemoteIPAddr	23.008 clause 3B.5.1.4	type: String
essList		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
7 272	00.000 1 00.5 ( 5	isNullable: False
w-APNBarringTypeList	23.008 clause 3B.5.1.2	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
w-APNChargingDataList	23.008 clause 3B.5.1.3	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
accessDependenceFlag	23.008 clause 3B.5.2	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
i-WLANAccessType	23.008 clause 3B.5.3	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
chargingCharacteristics	23.008 clause 3B.7.1.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
primaryOCSChargingFuncti	23.008 clause 3B.7.2	type: String
onName		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. N/A	
		isNullable: False
secondaryOCSChargingFunc		isNullable: False type: String
secondaryOCSChargingFunctionName		
		type: String
		type: String multiplicity: 1
		type: String multiplicity: 1 isOrdered: N/A

sS-Code	23.008 clause 2.6 29.002 clause 7.6.4.1 allowedValues: N/A	type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False
	allowed values. 14// (	isivaliable. I also
provisioningState	23.008 clause 2.6 29.002 clause 7.6.4.2 allowedValues: N/A	type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False
activationState	23.008 clause 2.6 29.002 clause 7.6.4.2 allowedValues: N/A	type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False
	anomod values. 14/1	ior tallable. I also
registrationState	23.008 clause 2.6 29.002 clause 7.6.4.2 allowedValues: N/A	type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False
	allowed values. 14/7	ior validatio. T dioc
overrideCategory	23.008 clause 2.6 29.002 clause 7.6.4.4 allowedValues: N/A	type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False
cLIRestrictionOption	23.008 clause 2.6 29.002 clause 7.6.4.5 allowedValues: N/A	type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False
forwarded-toNumber	23.008 clause 2.6 29.002 clause 7.6.2.22 allowedValues: N/A	type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False
forwarded-toSubaddress	23.008 clause 2.6 29.002 clause 7.6.2.23 allowedValues: N/A	type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False
noReplyConditionTimer	23.008 clause 2.6 29.002 clause 7.6.4.7	type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False
	allowed values. IV/A	าวเทนแสมเธ. 1 สเวช

	T	
maximumEntitledPriority	23.008 clause 2.6	type: String
	29.002 clause 7.6.4.41	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
		defaultValue: None
	allowedValues: N/A	isNullable: False
	allowed values. N/A	isivullable. Faise
defaultPriority	23.008 clause 2.6	type: String
derauterriority	29.002 clause 7.6.4.41	multiplicity: 1
	29.002 Clause 7.0.4.41	
		isOrdered: N/A
		isUnique: N/A
		defaultValue: None
	allowedValues: N/A	isNullable: False
es la sal I a a sa	22,000 days 2,0	turna Ctuina
nbrUser	23.008 clause 2.6	type: String
	29.002 clause 7.6.4.47	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
		defaultValue: None
	allowedValues: N/A	isNullable: False
nbrSB	23.008 clause 2.6	type: String
	29.002 clause 7.6.4.47	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
		defaultValue: None
	allowedValues: N/A	isNullable: False
	anovou varaco: 1471	ioranasis. Faiss
TraceReference2	23.008 Clause 2.11.9	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. IV/A	isNullable: False
TraceDepth	23.008 Clause 2.11.10	type: String
Tracebepen	20.000 014430 2.11.10	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	= H=== 1\( /= h=== \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
	allowedValues: N/A	defaultValue: None
		isNullable: False
ListofNeTypestoTrace	23.008 Clause 2.11.11	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
TriggeringEvents	23.008 Clause 2.11.12	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
ListofInterfacestoTrace	23.008 Clause 2.11.13	type: String
	20.000 010000 2.11.10	multiplicity: 1
		isOrdered: N/A
	allance dV (alors = 1 A1/A	isUnique: N/A
	allowedValues: N/A	defaultValue: None
i gg Tadi sahar	22,000,015,155,000,4	isNullable: False
iCSIndicator	23.008 Clause 2.20.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False

	In o	T. O. I
iCSIndicator	23.008 Clause 2.20.1	type: String
		multiplicity: 1
		isOrdered: N/A
	II N. 1 1/2	isUnique: N/A
	allowedValues: N/A	defaultValue: None
TIME	00.000.01	isNullable: False
sTNSR	23.008 Clause 2.21.1	type: String
		multiplicity: 1
		isOrdered: N/A
	- Harris all / a live as A I / A	isUnique: N/A
	allowedValues: N/A	defaultValue: None
	22 000 Claves 2D 4 5	isNullable: False
3GPPAAAProxyName	23.008 Clause 3B.1.5	type: String
		multiplicity: 1 isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. IV/A	isNullable: False
w-APNIdentifierList	23.008 Clause 3B.5.1.1	type: String
W-AFNIGERCITIETHISC	23.000 Clause 3B.3.1.1	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. N/A	isNullable: False
maxNumberAccessesList	23.008 Clause 3B.5.1.5	type: String
maxivumberAccesseshise	23.000 Clause 3D.3.1.3	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. 14/7 (	isNullable: False
maxSubscribedBandwidth	23.008 Clause 3B.6.1	type: String
maxbabbel ibeabailawiaeli	23.000 Clause 3D.0.1	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	anowa valado. 14/7 (	isNullable: False
subscribed3GPPWLANQoSPro	23 008 Clause 3B 6 4	type: String
file	20.000 01.000 05.0.1	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
userStatus	23.008 Clause 3B.2.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
rATType	23.008 Clause 2.13.75	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
iPAddressOfTraceCollecti	23.008 Clause 2.11.14	type: String
onEntity		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
aPNConfigurationProfile	23.008 Clause 2.13.31	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	i	isNullable: False

pDNAddress	23.008 Clause 2.13.39	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
permanentUserIdentity	23.008 Clause 2.13.79	type: String
	20.000 0.0000 2.10.10	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
visitedNetworkIdentifier	23 008 Clause 2 13 82	type: String
. 1210001.00.01.110.011011101	20.000 010000 2.10.02	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
mIPSubscriberProfile	23.008 Clause 2.13.86	type: String
	25.000 Gladge 2.15.00	
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
aPNAMBR	23.008 Clause 2.13.32	type: String
	20.000 Olause 2.10.02	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
contextIdentifier	23.008 Clause 2.13.38	type: String
Contextidentiller	23.000 Clause 2.13.30	
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
aPNOIReplacement	23.008 Clause 2.13.29	type: String
ar nornepracement	23.000 Glause 2.13.29	multiplicity: 1
		· · · · · · · · · · · · · · · · · · ·
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
subscribedUEAMBR	23.008 Clause 2.13.30	type: String
Subsci i Dedola i Dic	23.000 Glause 2.13.30	
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
rFSP	23.008 Clause 2.13.33	type: String
	23.000 Clause 2.13.33	
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
pDNGWIdentity	23.008 Clause 2.13.41	type: String
bougataenere,	23.000 Glause 2.13.41	
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
ePSPDNConnectionCharging	22 009 Clause 2 12 71	
	23.000 Clause 2.13./ I	type: String
Characteristics		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	anomog valuoo. 14// (	isNullable: False
		isivuilabie. Faise

pDNGWAllocationType	23.008 Clause 2.13.105	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. N/A	isNullable: False
aPNLevelAPNOIReplacement	00 000 01 0 40 400	
aPNLevelAPNOIReplacement	23.008 Clause 2.13.109	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
closedSubscriberGroupInf	23 008 Clause 2 4 22	type: String
ormation	25.555 514455 2. 1.22	multiplicity: 1
OTMACTOII		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
roamingRestrictionDueToU	23.008 Clause 2.4.15.3a	type: String
nsupportedFeatureMME		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	
	allowed values. IN/A	defaultValue: None
		isNullable: False
mSPurgedForEPSFlag	23.008 Clause 2.7.6A	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. IVA	
		isNullable: False
uRRPMME	23.008 Clause 2.7.9.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
mMEName	23.008 Clause 2.13.26	type: String
ill-illiane	23.000 Clause 2.13.20	
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
sGSNName	23.008 Clause 2.13.100	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
iWFNumber	23.008 Clause 2.4.8.3	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowed\/aluga: N/A	
	allowedValues: N/A	defaultValue: None
		isNullable: False
Attribute related to role		
theContract	Models the relationship to a subscribed service. The	type: DN
	relationship is between a service and a subscription to	multiplicity: 1*
	the same type of service (for example between	isOrdered: False
		isUnique: True
	CSService and CSSubscribedService). This	
	attribute contains a list of the DN(s) of the related	defaultValue: None
	SuMSubscribedService instance(s).	isNullable: True
	allowedValues: N/A	
1		1

theOffer		type: DN multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: True
theService	relationship is between a subscribed service and a	type: DN multiplicity: 1* isOrdered: False isUnique: True defaultValue: None isNullable: True
theSpecification	Models the relationship to a subscribed service. The relationship is between a subscribed service and a	type: DN multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False
thePublicId		type: DN multiplicity: 1* isOrdered: False isUnique: True defaultValue: None isNullable: True
theMobileUserData	Models the relationship from a user to the user data of a mobile User Equipment. This attribute contains a list of the DN(s) of the related MobileUserData instance(s). allowedValues: N/A	type: DN multiplicity: 1* isOrdered: False isUnique: True defaultValue: None isNullable: True
theServiceProfile	User Equipment to a service profile or from a user"s credentials to an IMS service profile. This attribute	type: DN multiplicity: 1* isOrdered: False isUnique: True defaultValue: None isNullable: True
theSubscriber	Models the relationship from a user to a subscriber. This attribute contains a list of the DN(s) of the related SuMSubscriberProfile instance(s).  allowedValues: N/A	type: DN multiplicity: 1* isOrdered: False isUnique: True defaultValue: None isNullable: True
theUser		type: DN multiplicity: 1* isOrdered: False isUnique: True defaultValue: None isNullable: True
theCSSupplServiceForCS		type: DN multiplicity: 1* isOrdered: False isUnique: True defaultValue: None isNullable: True

theGPRSSupplServiceForGP RS		type: DN multiplicity: 1* isOrdered: False isUnique: True defaultValue: None isNullable: True
theCSSupplServiceForCSSS	Models the relationship from a CS subscribed service to a CS supplement service. This attribute contains a list of the DN(s) of the aggregated SuMCSSupplService instance(s).  allowedValues: N/A	type: DN multiplicity: 1* isOrdered: False isUnique: True defaultValue: None isNullable: True
RSSS	Models the relationship from a GPRS subscribed service to a GPRS supplement service. This attribute contains a list of the DN(s) of the aggregated SuMGPRSSupplService instance(s).  allowedValues: N/A	type: DN multiplicity: 1* isOrdered: False isUnique: True defaultValue: None isNullable: True
theCSSupplServiceForCSSP	Models the relationship from a CS service profile to a CS supplement service. This attribute contains a list of the DN(s) of the aggregated SuMCSSupplService instance(s).  allowedValues: N/A	type: DN multiplicity: 1* isOrdered: False isUnique: True defaultValue: None isNullable: True
theGPRSSupplServiceForGP RSSP		type: DN multiplicity: 1* isOrdered: False isUnique: True defaultValue: None isNullable: True
theSubscribedService	Models the relationship from a subscriber profile to a subscribed service. This attribute contains a list of the DN(s) of the aggregated SuMSubscribedService derived instance(s).  allowedValues: N/A	type: DN multiplicity: 1* isOrdered: False isUnique: True defaultValue: None isNullable: True
thePublicId	Models the relationship from an IMS service profile to a public identification. This attribute contains a list of the DN(s) of the aggregated IMSPublicIdentification instance(s).  allowedValues: N/A	type: DN multiplicity: 1* isOrdered: False isUnique: True defaultValue: None isNullable: True
theSubscriberProfile	Models the relationship from a Subscription Function to a subscriber profile. This attribute contains a list of the DN(s) of the <u>aggregated SuMSubscriberProfile</u> instance(s).  allowedValues: N/A	type: DN multiplicity: 1* isOrdered: False isUnique: True defaultValue: None isNullable: True
theCredentials	Models the relationship from a user to a credential. This attribute contains a list of the DN(s) of the aggregated SuMCredentials instance(s).  allowedValues: N/A	type: DN multiplicity: 1* isOrdered: False isUnique: True defaultValue: None
theServiceProfile	Models the relationship from a user to a service profile. This attribute contains a list of the DN(s) of the aggregated SuMServiceProfile instance(s).  allowedValues: N/A	isNullable: True type: DN multiplicity: 1* isOrdered: False isUnique: True defaultValue: None isNullable: True

theIdentity	Models the relationship from a user to an identity. This attribute contains a list of DN(s) of the related SuMIdentity instance(s).	type: DN multiplicity: 1* isOrdered: False isUnique: True
	allowedValues: N/A	defaultValue: None isNullable: True
theServerCapabilities	Models the relationship from a SuM IOC object instance (E.g., IMSService, IMSSubscribedService, IMSServiceProfile) to one or more Server Capabilities object instance(s).  allowedValues: N/A	type: DN multiplicity: 1* isOrdered: False isUnique: True defaultValue: None isNullable: True
theIWANPar	Models the relationship between the common packet access service parameters and the I-WAN service parameters. This attribute contains the DN of the related IWANParameters instance.  allowedValues: N/A	type: DN multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: True
theOptHandover3GPP2Par	Models the relationship between the EPS service profile when designed for optimal handover to a 3GPP2 access network. This attribute contains the DN of the related OptHandover3GPP2Parameters instance.  allowedValues: N/A	type: DN multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: True
theNon3GPPAccessPar	Models the relationship between the EPS service profile and another set of service parameters needed to when access is via a non 3GPP network. This attribute contains the DN of the related Non3GPPAccessParameters instance.  allowedValues: N/A	type: DN multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: True

## 4.4.2 Constraints

None.

## 4.5 Common notifications

# Annex A (informative): Change history

Change history									
Date	TSG #	TSG	CR	Rev	Subject/Comment	Cat	Old	New	
		Doc.							
2013-06					Editorial changes (MCC): removal of blank page on page 2		11.0.0	11.0.1	
2014-06	SA#64	SP-					11.0.1	11.1.0	
		140359	001	-	remove the feature support statements	F			
2014-10	-	-	-	-	Update to Rel-12 version (MCC)		11.1.0	12.0.0	
2016-01	-	-	-	-	Update to Rel-13 version (MCC)		12.0.0	13.0.0	

# History

Document history							
V13.0.0	January 2016	Publication					