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Foreword

This Technical Specification has been produced by the 3rd Generation Partnership Project (3GPP).

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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 3rd 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

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.

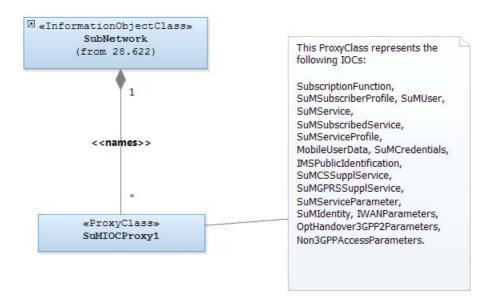


Figure 1a: SuM NRM naming diagram 1

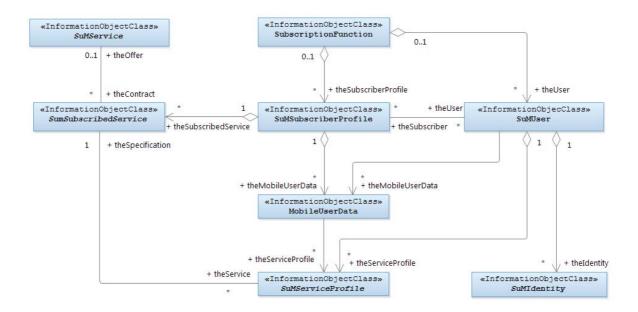


Figure 1b: SuM NRM Containment and Association diagram 1

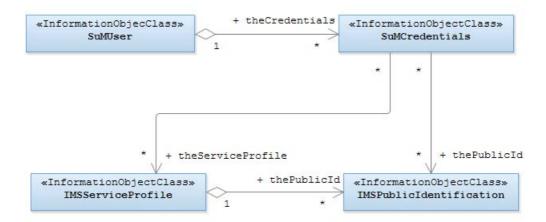


Figure 1c: SuM NRM Containment and Association diagram 2



Figure 1d: SuM Supplementary Service NRM Aggregation diagram 1

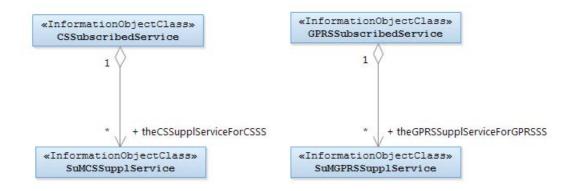


Figure 1e: SuM Supplementary Service NRM Aggregation diagram 2

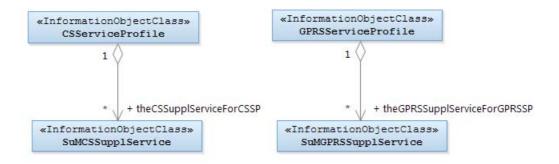


Figure 1f: SuM Supplementary Service NRM Aggregation diagram 3

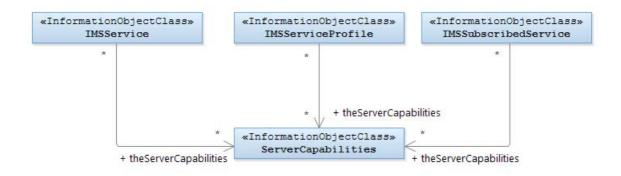


Figure 1g: SuM IMS Service Containment and Association diagram 1

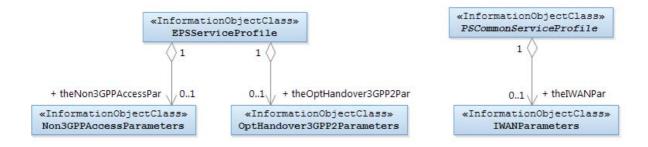


Figure 1h: Service Profile NRM Association diagram

4.2.2 Inheritance

This subclause depicts the inheritance relationships.

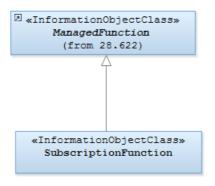


Figure 2a: SuM NRM Inheritance Hierarchy 1

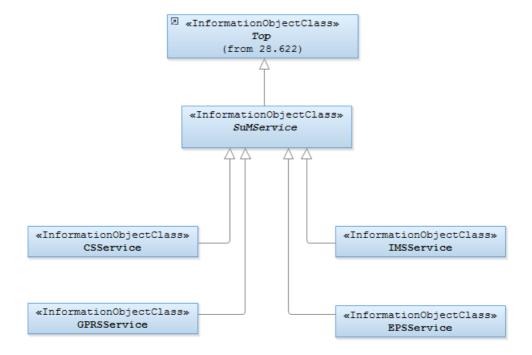


Figure 2b: SuM NRM Inheritance Hierarchy 2

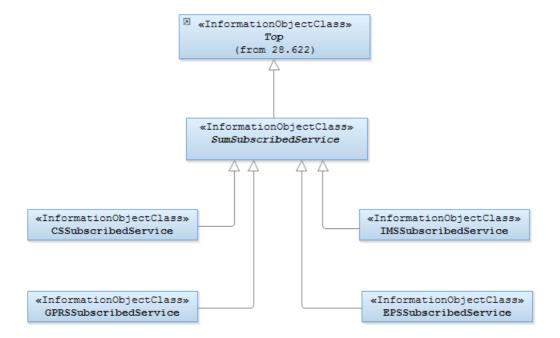


Figure 2c: SuM NRM Inheritance Hierarchy 3

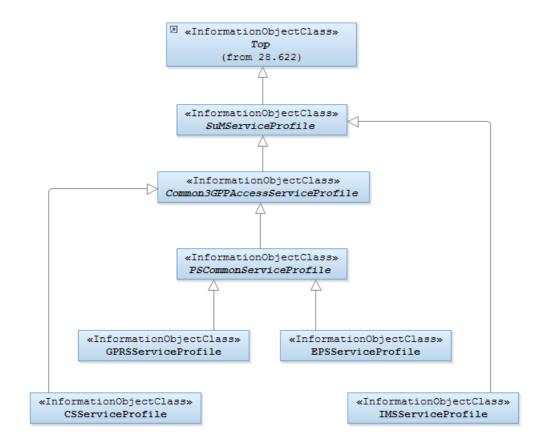


Figure 2d: SuM NRM Inheritance Hierarchy 4

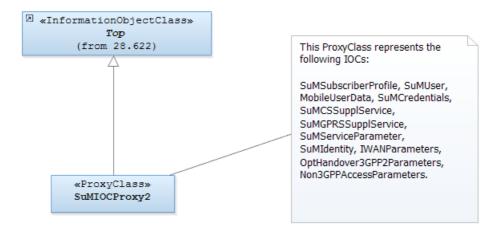


Figure 2e: SuM NRM Inheritance Hierarchy 5

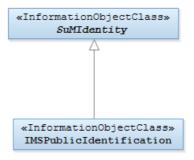


Figure 2f: SuM NRM Inheritance Hierarchy 8

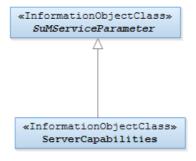


Figure 2g: SuM NRM Inheritance Hierarchy 9

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	M	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

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ISAPriority					-	-
ISAPreferentialAccessIndicator	_				-	-
ISAActiveModeSupportIndicator	_					-
ISAOnlyAccessIndicator						
SAActiveModeIndicator					-	-
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PLMNspecificData VGCSGroupMembershipList O M M - - vBSGroupMembershipList O M M - - - broadcastCallInitiation O M M - - - AllowedList OriginatingCAMELSubscription O M M - - - InformationOCSI O M M - - - terminatingCAMELSubscription O M M - - -		Ŭ				
PLMNspecificData VGCSGroupMembershipList O M M - - vBSGroupMembershipList O M M - - - broadcastCallInitiation O M M - - - AllowedList OriginatingCAMELSubscription O M M - - - InformationOCSI O M M - - - terminatingCAMELSubscription O M M - - -	operatorDeterminedBarring	0	М	М	-	_
vGCSGroupMembershipList O M M - - vBSGroupMembershipList O M M - - broadcastCallInitiation O M M - - AllowedList O M M - - originatingCAMELSubscription O M M - - InformationOCSI O M M - - terminatingCAMELSubscription O M M - -		-				
vBSGroupMembershipList O M M - - broadcastCallInitiation O M M - - AllowedList OriginatingCAMELSubscription O M M - - InformationOCSI TerminatingCAMELSubscription O M M - -		0	М	М	-	-
AllowedList originatingCAMELSubscription InformationOCSI terminatingCAMELSubscription O M M	vBSGroupMembershipList	0	М	М	-	-
originatingCAMELSubscription O M M - - InformationOCSI O M M - - terminatingCAMELSubscription O M M - -			М	М	-	-
InformationOCSI O M M	AllowedList					
terminatingCAMELSubscription O M M	originatingCAMELSubscription	0	М	М	-	-
InformationTCSI		0	M	М	-	-
vMsCTerminatingCAMEL O M M		O	M	M	-	-
SubscriptionInformationVTCSI						
locationInformation O M M		O	M	M	-	-
SubscriberStateInformation USSDCAMELSubscription O M			N 4	N 4		
uSSDCAMELSubscription O M M InformationUCSI	_	O	IVI	IVI	-	-
InformationUCS1		0	N.4	N/I		
translationInformation O M M					-	-
FlagTIFCSI		U	IVI	IVI	_	_
dialledServiceCAMEL O M M		0	NΛ	NΛ	_	_
SubscriptionInformationDCSI		O	IVI	IVI	_	_
uSSDGeneralCAMELService O M M	_	0	М	М	_	-
InformationUGCSI		J				
shortMessageServiceCAMEL O M M	shortMessageServiceCAMEL	0	М	M	-	-
SubscriptionInformationMOSMSCSI	SubscriptionInformationMOSMSCSI					

shortMessageServiceCAMEL	0	M	M	-	-
SubscriptionInformationMTSMSCSI					
mTSMSCSIVLRNegotiatedCAMEL	0	M	M	-	-
CapabilityHandling					
gsmSCFaddressforCSI	0	M	M	-	-
iSTAlertTimer	0	M	M	-	-
cSAllocationRetentionpriority	0	M	M	-	-
iCSIndicator	0	M	M	-	-
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 memo	Commant Oscalition	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	-	-
lSAIdentity	0	M	M	-	-
lSAPriority	0	M		-	-
ISAPriority ISAPreferentialAccessIndicator	0	M	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	_	
gMLCNumbers	0	M	M	-	-
mOLRList	0	M	M	-	-
serviceTypes	0	M	M	-	-
gGSNNumber	M	M	M	_	
provisionofTeleservice	O	M	M	_	
transferofSMoption	M	M	M	-	
subscriberStatus	M	M	M	_	-
barringofPacketOrientedServices	0	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	М	-	-
mTSMSCSISGSNNegotiatedCAMELCapab ilityHandling	0	M	М	-	-
mobilityManagementforGPRSeventno tificationMGCSI	0	M	М	-	-
mGCSINegotiatedCAMELCapabilityHa	0	M	М	-	-
gsmSCFaddressforCSI	0	M	М	_	-
subscribedChargingCharacteristic	0	M	M	-	-
closedSubscriberGroupInformation	0	М	М	-	-
gSMSCFaddresslistForODB	0	M	M	-	-
barringOfOutgoingCalls	0	M	M	-	-
barringOfRoaming	0	M	M	_	-
operatorDeterminedBarringPLMNspe cificData	0	M	M	-	-
sTNSR	0	M	M	_	-
iCSIndicator	0	M	M	_	-
listofauthorizedvisitednetworkid	0	M	M		
entifiers		IVI	IVI	_	-
wLANUERemoteIPaddress	0	M	М	-	-
staticWLANUERemoteIPAddressList	0	M	M	_	-
w-APNBarringTypeList	0	M	M	-	-
w-APNChargingDataList	0	M	M	-	-
accessDependenceFlag	0	M	M	-	-
		171	141	<u> </u>	L

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	M	-	-
entifiers	IVI	141	141		
registrationStatus	M	М	М	-	-
sCSCFName	0	M	-	-	-
diameterClientAddressofSCSCF	0	M	-	-	-
subscribedMediaProfileIdentifier	0	М	М	-	-
initialFilterCriteriaList	0	М	М	-	-
applicationServerInformation	0	М	М	-	-
serviceIndicationList	0	М	-	-	-
primaryEventChargingFunctionName	0	М	М	-	-
secondaryEventChargingFunctionNa me	0	M	М	-	-
primaryChargingCollectionFunctionName	М	M	М	-	-
secondaryChargingCollectionFunct ionName	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	М	-	-
gBAUserSecuritySettings	0	M	М	-	-
userSecuritySetting	0	M	М	-	-
userPublicIdentity	0	M	М	-	-
gAAAuthorizationflag	0	M	М	-	-
keyLifetime	0	M	M	-	-
uICCSecurityType	0	M	M	-	-
nAFGroupIdentity	0	M	M	-	-
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	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	-	_
lSAPreferentialAccessIndicator	0	M	M		-
lSAActiveModeSupportIndicator	0	M	M	<u>-</u>	-
lSAOnlyAccessIndicator	0	M	M		-
_				-	-
lSAActiveModeIndicator	0	M	M	-	-
vPLMNIdentifier	0	M	M	-	-
accessRestrictionData	0	M	M	-	-
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	M	M	_	_
provisionOfTeleservice	M	M	M	_	_
bCAllocation	O	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	М	М	-	-
broadcastCallInitiation	0	М	М	-	-
AllowedList					
originatingCAMELSubscription	0	М	М	-	-
InformationOCSI					
terminatingCAMELSubscription	0	M	М	-	-
InformationTCSI	_				
vMSCTerminatingCAMEL	0	M	М	_	-
Subscription					
InformationVTCSI					
locationInformation/	0	М	М	_	_
SubscriberStateInformation					
uSSDCAMELSubscription	0	M	М	-	-
InformationUCSI		"			
sSInvocationNotification	0	M	М	-	-
SSCSI		"			
translationInformationFlag	0	M	M	-	_
TIFCSI	l	141	IVI	_	-
dialledServiceCAMEL	0	M	M	_	_
SubscriptionInformationDCSI		IVI	IVI	_	_
uSSDGeneralCAMELService	0	M	M	_	_
InformationUGCSI		IVI	IVI	-	_
TITOT MACTOHOGOST	<u> </u>	1			

shortMessageServiceCAMEL	0	M	M	-	-
SubscriptionInformationMOSMSCSI					
shortMessageServiceCAMEL	0	M	М	-	-
SubscriptionInformationMTSMSCSI					
mTSMSCSIVLRNegotiatedCAMEL	0	M	М	-	-
CapabilityHandling					
gsmSCFaddressforCSI	0	M	М	ı	-
iSTAlertTimer	0	M	М	-	-
cSAllocationRetentionpriority	0	M	М	-	-
iCSIndicator	0	M	М	-	-
Attribute related to role					
theCSSupplServiceForCSSS	Ó	M	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's Subscribed Services Profile for GPRS services.

4.3.7.2 Attributes

Attallantamana	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	-	-
lsAldentity	0	M	M	-	-
lsaPriority	0	M	M	-	-
lsAPreferentialAccessIndicator	0	M	M	-	-
lsAActiveModeSupportIndicator	0	M	M	-	-
1SAOnlyAccessIndicator	0	M	M	-	-
lSAActiveModeIndicator	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	М	M	-	-
provisionofTeleservice	0	M	M	-	-
transferofSMoption	M	M	M	-	-
subscriberStatus	M	M	M	-	-
barringofPacketOrientedServices	0	M	M	-	-
pDPType	0	M	М	-	-
pDPAddress	0	M	М	-	-
accessPointName	0	M	M	-	-
vPLMNAddressAllowed	0	M	M	-	-
qualityofServiceSubscribed	0	M	М	-	-
pDPContextCharging	0	M	М	-	-
Characteristics					
gPRSCAMELSubscription	0	M	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	М	-	-
CapabilityHandling					
gsmSCFaddressforCSI	0	M	M	-	-
subscribedCharging	0	M	M	-	-
Characteristics					
closedSubscriberGroup	0	M	M	-	-
Information		ļ			
gSMSCFaddresslistForODB	0	M	M	-	-
barringOfOutgoingCalls	0	M	M	-	-
barringOfRoaming	0	M	M	-	-
operatorDeterminedBarring	0	М	M	-	-
PLMNspecificData	_				
sTNSR	0	M	M	-	-
iCSIndicator	0	M	M	-	-
listofauthorizedvisitednetwork	0	М	M	-	-
identifiers					
wLANUERemoteIPaddress	0	M	M	-	-

staticWLANUERemoteIP	0	M	М	-	-
AddressList					
w-APNBarringTypeList	0	М	M	-	-
w-APNChargingDataList	0	М	M	-	-
accessDependenceFlag	0	М	M	-	-
chargingCharacteristics	0	М	M	-	-
primaryOCSCharging	0	M	M	-	-
FunctionName					
secondaryOCSCharging	0	M	M	-	-
FunctionName					
primaryChargingCollection	0	M	M	-	-
FunctionName					
secondaryChargingCollection	0	M	M	-	-
FunctionName					
w-APNIdentifierList	0	М	M	-	-
maxNumberAccessesList	0	М	M	-	-
maxSubscribedBandwidth	0	M	M	-	-
subscribed3GPPWLANQoSProfile	0	М	M	-	-
Attribute related to role					
theGPRSSupplServiceforGPRSSS	0	М	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	M	M	M	-	
rkidentifiers					
registrationStatus	M	M	M	-	-
sCSCFName	0	M	-	-	-
diameterClientAddressofSCSCF	0	M	-	-	-
subscribedMediaProfileIdenti	0	M	M	-	-
fier					
initialFilterCriteriaList	0	M	M	-	-
applicationServerInformation	0	M	М	-	-
serviceIndicationList	0	M	-	-	-
primaryEventChargingFunction	0	M	M	-	-
Name					
secondaryEventChargingFuncti	0	M	M	-	-
onName					
primaryChargingCollectionFun	M	M	M	-	-
ctionName					
secondaryChargingCollectionF	0	M	M	-	-
unctionName					
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	М	М	-	-
userPublicIdentity	0	M	М	-	-
gAAAuthorizationflag	0	М	М	-	-
keyLifetime	0	M	M	-	-
uICCSecurityType	0	М	M	-	-
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	M	0	-	-
theMobileUserData	M	M	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	М	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		0		2.386.26.1.1.		1. N 4'6 I. I.
SISTEMPORTER M					isinvariant	isnotifyable
VLENUMBER					-	-
SSCNumber				IVI	-	-
SubcariptionRestriction				-	-	-
SCAPeaRestrictedPlag	12 2 11 12 1	II.			-	-
OBMinducedBarringData	_			M		-
DomaingRestrictionDueTo				-	-	-
UnsupportedPeature				-	-	-
ISAPriority		M	M	-	-	-
ISAPriority						
ISAPterentialAccessIndicator					-	-
ISAActiveModeSupportIndicator					-	-
ISANctiveModeIndicator					-	-
SEARCTIVEMODELINGICATION STATE					-	-
VPLINIdentifier					-	-
AggIndicator		0	M	M	-	-
MSI	vPLMNIdentifier			M	-	-
MobileStationCategory	ageIndicator	0	M	-	-	-
MUIDINGERING	lmsi	M	M	-	-	-
MNRRMSC	mobileStationCategory	M	M	М	-	-
NotificationToCSEFlagForODB	lMUIdentifier	0	M	М	-	-
DOLIFICATIONTCCSFPLagFOrODB	mNRRMSC	M	М	-	-	-
gsmsCFaddresslistForODB	notificationToCSEFlagForODB		М	-	-	-
messagesWaitingData				М	_	-
mobileStationNotReachableFlag					-	_
memoryCapacityExceededFlag		II.		-	_	-
traceType O M - - operationsSystemsIdentity O M - - hLRTraceType O M - - - mAPErrorOnTrace O M - - - - traceActivatedInVLR O M -						_
TraceType						_
OperationsSystemsIdentity						_
NLRTraceType		II.		_	_	_
MAPErrorOnTrace				_		-
traceActivatedInVLR O M - - provisionOfBearerService M M M - provisionOfTeleservice M M M - bCAllocation O M M - - bCAllocation O M M - - - checkSSIndicator M M - <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td>						-
provisionOfBearerService				-		-
DrovisionOfTeleservice		II.		- N/I		-
DCAllocation						-
CheckSSIndicator	_					-
mSPurgedForNonGPRSFlag M M - - - barringOfIncomingCalls O M M - - barringOfSupplementaryService O M M - - barringOfSupplementaryService O M M - - Management O M M - - barringOfRegistrationOfCall O M M - - Forwarding DarringOfInvocationOfCallTransfer O M M - - vGCSGroupMembershipList O M M - - - vBSGroupMembershipList O M M - - - vBSGroupMembershipList O M M - - - vBSGroupMembershipList O M M - - - broadcastCallTnitiationAllowedList O M M - - unformationCSI O						
barringOfIncomingCalls				-		-
barringOfPremiumRateCalls barringOfSupplementaryService Management barringOfRegistrationOfCall barringOfRegistrationOfCall barringOfInvocationOfCallTransfer vGCSGroupMembershipList vBSGroupMembershipList o management o m				-		-
barringOfSupplementaryService O M M M Management					-	-
Management DarringOfRegistrationOfCall O					-	-
DarringOfRegistrationOfCall		0	M	M	-	-
Forwarding barringOfInvocationOfCallTransfer O		_				
barringOfInvocationOfCallTransfer O M M O		0	M	M	-	-
VGCSGroupMembershipList O M M - - VBSGroupMembershipList O M M - - broadcastCallInitiationAllowedList O M M - - originatingCAMELSubscription O M M - - InformationOCSI O M M - - VMSCTerminatingCAMEL O M M - - SubscriptionInformationVTCSI O M M - - locationInformation O M M - - StateInformation O M M - - InformationUCSI O M M - - SSInvocationNotificationSSCSI O M M - -		_				
VBSGroupMembershipList O M M - - broadcastCallInitiationAllowedList O M M - - originatingCAMELSubscription O M M - - InformationOCSI O M M - - InformationTCSI O M M - - VMSCTerminatingCAMEL O M M - - SubscriptionInformationVTCSI O M M - - locationInformation O M M - - StateInformation O M M - - sSInvocationNotificationSSCSI O M M - -					-	-
broadcastCallInitiationAllowedList O M M OriginatingCAMELSubscription O M M M InformationOCSI terminatingCAMELSubscription O M M M InformationTCSI VMSCTerminatingCAMEL O M M SubscriptionInformationVTCSI O M M M StateInformation USSDCAMELSubscription O M M M InformationUCSI SInvocationNotificationSSCSI O M M M					-	-
originatingCAMELSubscription InformationOCSI terminatingCAMELSubscription O M M InformationTCSI vMSCTerminatingCAMEL SubscriptionInformationVTCSI locationInformationSubscriber StateInformation uSSDCAMELSubscription InformationUCSI sSInvocationNotificationSSCSI O M M M					-	-
InformationOCSI terminatingCAMELSubscription InformationTCSI vMSCTerminatingCAMEL SubscriptionInformationVTCSI locationInformationSubscriber StateInformation uSSDCAMELSubscription InformationUCSI sSInvocationNotificationSSCSI O M M M			M	M	-	-
terminatingCAMELSubscription InformationTCSI vMSCTerminatingCAMEL SubscriptionInformationVTCSI locationInformationSubscriber StateInformation uSSDCAMELSubscription InformationUCSI sSInvocationNotificationSSCSI O M M A - - - M M A - - - M M A - - - M M A - - - M M A - - - M M A - - - - M M A - - - - - - - - - - - -		0	M	M	-	-
InformationTCSI vMSCTerminatingCAMEL SubscriptionInformationVTCSI locationInformationSubscriber StateInformation uSSDCAMELSubscription InformationUCSI sSInvocationNotificationSSCSI O M M						
vMSCTerminatingCAMEL O M M - - SubscriptionInformationVTCSI O M M - - locationInformationSubscriber O M M - - StateInformation O M M - - uSSDCAMELSubscription O M M - - InformationUCSI SSInvocationNotificationSSCSI O M M - -	terminatingCAMELSubscription	0	M	M	-	-
SubscriptionInformationVTCSI locationInformationSubscriber StateInformation uSSDCAMELSubscription InformationUCSI sSInvocationNotificationSSCSI O M M M						
locationInformationSubscriber		0	M	M	-	-
StateInformation uSSDCAMELSubscription InformationUCSI sSInvocationNotificationSSCSI O M M	SubscriptionInformationVTCSI					
uSSDCAMELSubscription O M M - - InformationUCSI O M M - - sSInvocationNotificationSSCSI O M M - -	locationInformationSubscriber	0	M	M	-	-
InformationUCSI O M M						
sSInvocationNotificationSSCSI O M M	uSSDCAMELSubscription	0	M	M	-	-
translationInformationFlagTIFCSI O M M					-	-
	translationInformationFlagTIFCSI	0	M	M	-	-

Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
dialledServiceCAMELSubscription	0	М	М	-	-
InformationDCSI					
uSSDGeneralCAMELService	0	M	М	-	-
InformationUGCSI					
oCSINegotiatedCAMEL	0	M	-	-	-
CapabilityHandling					
sSCSINegotiatedCAMEL	0	M	-	-	-
CapabilityHandling					
vTCSINegotiatedCAMEL	0	M	-	-	-
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	1	-
gsmSCFaddressforCSI	0	M	M	-	-
vLROfferedCAMEL4CSIs	0	М	-	-	-
iSTAlertTimer	0	М	M	-	-
cSAllocationRetentionpriority	0	М	М	-	-
Attribute related to role					
theCSSupplServiceForCSSP	0	M	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 name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
basicMSISDNIndicator	0	М	М	-	-
mSISDNAlertIndicator	0	М	М	-	-
vLRNumber	M	М	-	-	-
lSAIdentity	0	М	М	-	-
lsAPriority	0	М	М	-	-
lSAPreferentialAccessIndicator	0	M	М	-	-
lSAActiveModeSupportIndicator	0	М	М	-	-
1SAOnlyAccessIndicator	0	M	М	-	-
lSAActiveModeIndicator	0	M	М	-	-
vPLMNIdentifier	0	М	M	-	-
ageIndicator	0	М	-	-	-
sGSNNumber	M	М	-	-	-
gGSNNumber	M	М	M	-	-
mNRG	M	М	-	-	-
provisionofTeleservice	0	М	M	-	-
transferofSMoption	M	М	M	-	-
mSpurgedforGPRSflag	M	М	-	-	-
pDPType	0	М	М	-	-
pDPAddress	0	M	M	-	-
gGSNlist	M	M	-	-	-
qualityofServiceSubscribed	0	M	M	•	-
pDPContextIdentifier	0	М	-	1	-
pDPContextChargingCharacteristics	0	М	M	1	-
gPRSCAMELSubscriptionInformation GPRSCSI	0	M	М	-	-
mOShortMessageServiceCAMEL SubscriptionInformationMOSMSCSI	0	M	М	-	-
mTShortMessageServiceCAMEL SubscriptionInformationMTSMSCSI	0	M	М	-	-
mOSMSCSISGSNNegotiatedCAMEL	0	M	М	-	-
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	- N4	-	-
gsmSCFaddressforCSI	0	M	M	-	-
gSMSCFaddresslistForODB	0	M	M	-	-
iPSMGWNumber	0	M	-	-	-
mNRR-SGSN	0	M	-	-	-
notificationToCSEFlagForODB Attribute related to role	0	M	-	-	-
theGPRSSupplServiceForGPRSSP	0	N/I			
rifearkponhbiper Aiger Olekpoh	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	M	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	М	M	-	-
secondaryEventChargingFunction	0	M	M	-	-
Name	,				
primaryChargingCollectionFunct	M	M	M	-	-
ionName					
secondaryChargingCollectionFun	0	M	M	-	-
ctionName					
gsmSCFaddressforIMCSI	0	M	M	-	-
iMSSFaddressforIMCSI	0	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	ı	-
userPublicIdentity	0	M	M	•	-
gAAAuthorizationflag	0	M	M	•	-
keyLifetime	0	M	M	-	-
uICCSecurityType	0	M	М	-	-
nAFGroupIdentity	0	M	М	-	-
thePublicId	M	M	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	М	M	M	-	-
provisioningState	М	M	М	-	-
activationState	М	M	М	-	-
registrationState	0	M	М	-	-
overrideCategory	0	M	M	-	-
cLIRestrictionOption	0	M	M	-	-
forwarded-toNumber	0	M	M	-	-
forwarded-toSubaddress	0	M	М	-	-
noReplyConditionTimer	0	M	М	-	-
maximumEntitledPriority	0	М	М	-	-
defaultPriority	0	М	М	-	-
nbrUser	0	М	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	M	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	M	М	-	-
Attribute related to role					
thePublicId	M	M	0	-	-
theServiceProfile	M	M	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
	name-contained by the same object instance of SuMUser as name-contains the SuMCredentials object instance, and
	ii) associated (through the relationship to SuMSubscribedService name- contained by SuMSubscriberProfile) to a single object instance of SuMSubscriberProfile.
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
	i) name-contained by the same object instance of SuMUser as name-contains the SuMCredentials object instance, and
	ii) associated (through the relationship to SuMSubscribedService name- contained by SuMSubscriberProfile) to a single object instance of SuMSubscriberProfile.

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	M	М	-	-
barringIndication	M	M	М	-	-

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	M	M	-	-
contextIdentifier	M	M	M	_	_
operatorDeterminedBarringPLMNs	O	M	M		
pecificData		IVI	IVI	_	_
pDNAddress	0	М	М	_	-
rSZILists	0	M	M	-	-
sTNSR	0	M	М	-	-
subscribedChargingCharacterist	0	M	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	M	М	-	-
aPNLevelAPNOIReplacement	0	M	M	-	-
closedSubscriberGroupInformati	0	M	М	-	-
on					
listofauthorizedvisitednetwork	0	M	M	-	-
identifiers					
staticWLANUERemoteIPAddressLis	0	M	M	-	-
w-APNBarringTypeList	0	М	М	-	_
w-APNChargingDataList	0	M	M	_	-
wLANUERemoteIPAddress	0	М	М	-	-
accessDependenceFlag	0	М	M	-	-
chargingCharacteristics	0	М	М	-	-
primaryOCSChargingFunctionName	0	M	M	-	-
secondaryOCSChargingFunctionNa	0	M	M	-	-
me					
primaryChargingCollectionFunct ionName	0	М	М	-	-
secondaryChargingCollectionFun	0	M	М	_	_
ctionName					
w-APNIdentifierList	0	М	М	-	-
maxNumberAccessesList	0	M	M	-	-
maxSubscribedBandwidth	0	M	M	-	-
subscribed3GPPWLANQoSProfile	0	M	M	-	-
permanentUserIdentity	0	M	M	-	-
mIPSubscriberProfile	0	М	M	-	-
accessRestrictionData	0	M	M	-	-

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's 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	0	М	М	-	-
access Restriction Data	0	М	М	-	-
aPNAMBR	M	М	М	-	-
barringofPacketOrientedServices	0	М	М	-	-
contextIdentifier	M	M	M	-	-
operatorDeterminedBarringPLMNspec	0	M	M	-	-
ificData					
pDNAddress	0	М	М	-	-
rSZILists	0	М	М	-	-
sTNSR	0	М	М	-	-
subscribedChargingCharacteristics	0	М	М	-	-
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	M	_	<u> </u>
iCSIndicator	0	M	M	-	<u> </u>
aPNOIReplacement	0	M	M	_	-
subscribedUEAMBR	M	M	M	-	-
aPNConfigurationProfile	M	M	M	-	-
rFSP	O	M	M	-	-
VPLMNAddressAllowed-EPS	M	M	M		
	O	M	M	-	-
pDNGWIdentity ePSPDNConnectionChargingCharacter	0		M M		-
istics	0	M	IVI	-	-
pDNGWAllocationType	M	N 4	M		
aPNLevelAPNOIReplacement		M		-	-
closedSubscriberGroupInformation	0	M	M	-	-
Listofauthorizedvisitednetworkide	0	M	M	-	-
ntifiers	0	M	М	-	-
wLANUERemoteIPaddress	0	M	M		
staticWLANUERemoteIPAddressList	0	M	M	-	-
	0			-	-
w-APNBarringTypeList	0	M M	M M	-	-
w-APNChargingDataList				-	-
accessDependenceFlag	0	M	M	-	-
chargingCharacteristics	0	M	M	-	-
primaryOCSChargingFunctionName	0	M	M	-	-
secondaryOCSChargingFunctionName	0	M	M	-	-
primaryChargingCollectionFunction	0	M	M	-	-
Name					
secondaryChargingCollectionFuncti	0	M	М	-	-
onName w-APNIdentifierList		D 4	N 4		
	0	M	M	-	-
maxNumberAccessesList	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		1011000000		15111Vallalit	isivottiyable
contextIdentifier	M	M	M	-	-
	M	M	M	-	-
pDNAddress	0	M	M	-	-
aPNOIReplacement	0	M	M	-	-
subscribedUEAMBR	M	M	M	-	-
aPNConfigurationProfile	M	M	M	-	-
rFSP	0	M	M	-	-
pDNGWIdentity	0	M	M	-	-
ePSPDNConnectionChargingCharacteris	0	M	M	-	-
tics					
vPLMNAddressAllowed-EPS	M	M	M	-	-
pDNGWAllocationType	M	M	M	-	-
aPNLevelAPNOIReplacement	0	M	М	-	-
roamingRestrictionDueToUnsupportedF	M	M	-	-	-
eatureMME					
roamingRestrictionDueToUnsupportedF	M	M	-	-	-
eatureSGSN					
mSPurgedForEPSFlag	M	M	-	-	-
uRRPMME	0	M	-	-	-
mMEName	M	M	-	-	-
sGSNName	M	M	-	-	-
iWFNumber	0	M	-	-	-
sGSNAreaRestrictedFlag	M	М	-	-	-
Attribute related to role					
theOptHandover3GPP2Par	M	М	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	М	М	-	-
iPAddressOfTraceCollectionEntity	0	М	-	-	-
accessPointName	0	М	М	-	-
subscribedChargingCharacteristics	0	М	М	-	-
sTNSR	0	М	М	-	-
closedSubscriberGroupInformation	0	М	М	-	-
theIWANPar	M	М	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	-	-	-
listofauthorizedvisitednetwo	0	M	M	-	-
rkidentifiers					
3GPPAAAServerName	0	M	-	-	-
3GPPAAAProxyName	0	M	-	-	-
wLANUERemoteIPaddress	0	M	M	-	-
staticWLANUERemoteIPAddressL	0	М	М	-	-
ist					
w-APNBarringTypeList	0	M	M	-	-
w-APNChargingDataList	0	M	M	-	-
accessDependenceFlag	0	M	М	-	-
i-WLANAccessType	0	M	-	-	-
wLANIdentifierList	0	M	M	-	-
maxNumberAccessesList	0	M	М	-	-
maxSubscribedBandwidth	0	M	М	-	-
subscribed3GPPWLANQoSProfile	0	M	М	-	-
chargingCharacteristics	M	M	М	-	-
primaryOCSChargingFunctionNa	0	M	М	-	-
me					
secondaryOCSChargingFunction	0	M	М	-	-
Name					
primaryChargingCollectionFun	0	M	M	-	-
ctionName					
secondaryChargingCollectionF	0	М	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	1	-	-

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	M	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	M	M	-	-
accessRestrictionData	0	М	M	-	-
subscriberStatus	0	М	M	-	-
barringOfOutgoingCalls	0	М	M	-	-
barringOfRoaming	0	М	M	-	-
operatorDeterminedBarringPLMNs pecificData	0	M	M	-	-
traceReference2	0	М	-	-	-
traceDepth	0	М	-	-	-
listOfNETypestoTrace	0	М	-	-	-
triggeringEvents	0	М	-	-	-
listOfInterfacesToTrace	0	М	-	-	-
privacyExceptionList	0	М	M	-	-
gMLCNumbers	0	М	M	-	-
iCSIndicator	0	М	М	-	-
mOLRList	0	M	M	-	-
serviceTypes	0	M	M	-	-
networkAccessMode	M	М	М	-	-

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	IdefaultValue: None
	anowou valuos. 14/1	isNullable: False
multinumberingMSISDNs	23.008 clause 2.1.3	type: < <datatype>></datatype>
ar ermaniber mignoropino	20.000 0ladoc 2.1.0	multiplicity: 1
	It is a sequence of two items:	isOrdered: N/A
	1) An MSISDN number (string)	isUnique: N/A
	2) A multinumberingMSISDNIndicator which can be	Idofault\/alua: Nona
	one of two choices:	isNullable: False
		ISNUIIADIE. FAISE
	a. "BASIC"	
	b. "ALERT"	
	 allowedValues: N/A	
	allowed values. N/A	
basicMSISDNIndicator	23.008 clause 2.1.3.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
mSISDNAlertIndicator	23.008 clause 2.1.3.2	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
lmsi	23.008 clause 2.1.8	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	anomou v alago. 1 1// 1	isNullable: False
mobileStationCategory	23.008 clause 2.2.1	type: String
	20.000 0idu00 2.2. i	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	anowed values. IV/A	isNullable: False
lMUIdentifier	23.008 clause 2.2.2	
THOTAGHETTTEL	23.000 Gduse 2.2.2	type: String
		multiplicity: 1
		isOrdered: N/A
	allowed\/aluga: N/A	isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False

	•	
iMEISV	23.008 clause 2.2.3	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
subscriptionRestriction	23.008 clause 2.4.10	type: String
Bubberiperonneberreeron	25.000 clause 2.4.10	multiplicity: 1
		isOrdered: N/A
	- H N / - I N I / 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
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
mSCAreaRestrictedFlag	23.008 clause 2.4.12	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. N/A	isNullable: False
gCCNonconogt = i stadfl = -	02 000 days 2 4 44	
sGSNarearestrictedflag	23.008 clause 2.4.14	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
oDBinducedBarringData	23.008 clause 2.4.15.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. N/A	isNullable: False
roamingRestrictionDueToU	22 000 clause 2 4 15 2	type: String
	23.006 clause 2.4.15.2	
nsupportedFeature		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
roamingRestrictedintheSG	23.008 clause 2.4.15.3	type: String
SNduetounsupportedfeatur		multiplicity: 1
е		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
lSAIdentity	23.008 clause 2.4.17.1	type: String
	20.000 Glause 2.7.17.1	multiplicity: 1
		isOrdered: N/A
	- Harris division NI/A	isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
lSAPriority	23.008 clause 2.4.17.2	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
lSAPreferentialAccessInd	23 008 clause 2 4 17 2A	type: String
icator	20.000 010000 2.7.17.27	multiplicity: 1
		isOrdered: N/A
	allawad) /akaan N/A	isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False

lSAActiveModeSupportIndi	23 008 clause 2 4 17 2B	type: String
cator	23.000 Clause 2.4.17.2B	multiplicity: 1
Cator		lisOrdered: N/A
	allowedValues: N/A	isUnique: N/A defaultValue: None
	allowed values. N/A	
1070-1-7	00.000 0.447.0	isNullable: False
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
		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
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	anowou values. 14// (isNullable: False
accessRestrictionData	23.008 clause 2.4.18	
accessics et recruitbata	25.000 Gause 2.4.10	type: String multiplicity: 1
		isOrdered: N/A
	II N. I. AI/A	isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
vLRNumber	23.008 clause 2.4.5	type: String
		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
		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
		isNullable: False
gGSNNumber	23.008 clause 2.4.8.2	type: String
	20.000 010000 2.7.0.2	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. IV/A	
providi or Of Basses Garage	22 000 days 2 5 1	isNullable: False
provisionOfBearerService	23.000 Clause 2.3.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
provisionOfTeleservice	23.008 clause 2.5.2	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
•	•	• • • • • • • • • • • • • • • • • • • •

bCAllocation	23.008 clause 2.5.3	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. IN/A	isNullable: False
5 5 5 7 1 1		
transferofSMoption	23.008 clause 2.5.4	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	anovou valuoo. 1 v/ t	isNullable: False
mNRG	23.008 clause 2.7.2	
IIINRG	23.006 Clause 2.7.2	type: String
		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
	25.000 clause 2.7.4.4	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
mSPurgedForNonGPRSFlag	23.008 clause 2.7.5	type: String
		multiplicity: 1
		isOrdered: N/A
	II N/ I N/A	isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
mSpurgedforGPRSflag	23.008 clause 2.7.6	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. IN/A	
ATT DATE OF	00.000 1	isNullable: False
mNRRMSC	23.008 clause 2.7.7	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
subscriberStatus	23.008 clause 2.8.1	
Bungciinciplacus	23.000 Gause 2.0. I	type: String
		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: 11 11 J 1 11 J 2 11		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
_		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowed\/alussyN/A	
	allowedValues: N/A	defaultValue: None
		isNullable: False
barringOfRoaming	23.008 clause 2.8.2.3	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. IV/A	
l	Í	lisNullable: False

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
la a consider and fill consent a consella	00.000 -1 0.0.0 5	
barringOfSupplementarySe	23.008 clause 2.8.2.5	type: String
rviceManagement		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		lisNullable: False
barringOfRegistrationOfC	23 008 clause 2.8.2.6	type: String
	23.000 clause 2.0.2.0	
allForwarding		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. N/A	
		isNullable: False
barringOfInvocationOfCal	23 008 clause 2 8 2 7	type: String
lTransfer		multiplicity: 1
TITALIBLET		
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	anomou valuos. 14/71	
		isNullable: False
barringofPacketOrientedS	23.008 clause 2.8.2.8	type: String
ervices		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		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	00.000 days 0.0.4	
_	23.006 Clause 2.6.4	type: String
ODB		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	II N/ I NI/A	
	allowedValues: N/A	defaultValue: None
		isNullable: False
gsmSCFaddresslistForODB	23.008 clause 2.8.5	type: String
J	20.000 010000 2.0.0	
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	anomou valuos. 14/71	
		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
1 1 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	00.000 1 0.40 0	i
mobileStationNotReachabl	23.008 clause 2.10.2	type: String
eFlag		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
momorar (Consert to December 1971	22 000 davis 2 40 2	
memoryCapacityExceededFl	23.008 clause 2.10.3	type: String
ag		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
	I .	

traceReference	22 000 alaura 2 44 4	turn au Chuin a
tracekelerence	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
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allawad\/alwaa, N/A	defaultValue: None
	allowedValues: N/A	
		isNullable: False
operationsSystemsIdentit	23.008 clause 2.11.3	type: String
У		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	anowed values. 14/71	isNullable: False
la I Difference de Constant	00.000 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
		isNullable: False
mAPErrorOnTrace	23.008 clause 2.11.5	type: String
HII OI OIIII acc	20.000 Gause 2.11.J	
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
traceActivatedInVLR	23.008 clause 2.11.6	type: String
	20.000 0.0000 2.1110	multiplicity: 1
		isOrdered: N/A
	II DV I NIA	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
	allowed values. N/A	isNullable: False
	00.000 0.40.4	. 0
vGCSGroupMembershipList	23.008 clause 2.12.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
vBSGroupMembershipList	23.008 clause 2.12.2	type: String
. 23010 aprictibet biii phi b	20.000 Gause 2.12.2	
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
broadcastCallInitiationA	23.008 clause 2.12.2.1	type: String
llowedList		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowed\/aluga, N/A	
	allowedValues: N/A	defaultValue: None
		isNullable: False
pDPType	23.008 clause 2.13.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	
	allowed values. IV/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
ca		
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
pDPAddress	23.008 clause 2.13.2	type: String
Portage	25.000 014450 2.15.2	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
pDPContextIdentifier	23.008 clause 2.13.24	
pDPCOIICEXCIDENCITIES	23.006 Clause 2.13.24	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	anonou / andoo. 14/1	isNullable: False
DDGt	00.000 0.40.07	1011011011010101
pDPContextChargingCharac	23.008 clause 2.13.25	type: String
teristics		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. N/A	
		isNullable: False
accessPointName	23.008 clause 2.13.6	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	II N. I. AI/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	20.000 Glause 2.17.1.1/J.1	
c TOTITITO TINA C TOTIOCS T		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
appacamer subcarintiants	23.008 clause 2.14.1.10/2.14.4.4	1
ormationGPRSCSI	23.000 Glause 2.14.1.10/2.14.4.4	type: String
OT MACTORGPRSCST		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
dialladgemei grypt G	00.000 0.444.44/0 =	
dialledServiceCAMELSubsc	23.008 clause 2.14.1.11/3.7	type: String
riptionInformationDCSI		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	Iollowed\/oluge: NI/A	Idefault\/alue: Ness
	allowedValues: N/A	defaultValue: None isNullable: False

	00.000 alaura 0.44.4.40/0.44.4.4	to on a c. Otarian as
	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
		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
		isNullable: False
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
	allowed values. 14/7	isNullable: False
locationInformationSubsc	23.008 clause 2.14.1.3	
riberStateInformation	23.006 Clause 2.14.1.3	type: String
riberstateInformation		multiplicity: 1
		isOrdered: N/A
	H N/ L N/A	isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
uSSDCAMELSubscriptionInf	23.008 clause 2.14.1.4	type: String
ormationUCSI		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
sSInvocationNotification	23 008 clause 2 14 1 5/3 2	type: String
SSCSI	20.000 014430 2.14.1.0/0.2	multiplicity: 1
55651		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. N/A	
1 1 1 7 5 1 1 7 7	00.000 0.444.0/0.0	isNullable: False
translationInformationFl	23.008 clause 2.14.1.6/3.6	type: String
agTIFCSI		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
shortMessageServiceCAMEL	23.008 clause 2.14.1.8/2.14.3.5	type: String
SubscriptionInformationM		multiplicity: 1
OSMSCSI		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
mOShortMessageServiceCAM	23 008 clause 2 14 1 8/2 1/4 / 1	type: String
ELSubscriptionInformatio	20.000 010000 2.17.1.0/2.17.7.1	multiplicity: 1
nMOSMSCSI		isOrdered: N/A
TIMOSMSCS1		
	- H N / - k N I / A	isUnique: N/A
	allowedValues: N/A	defaultValue: None
1	00.000 1 0.44 : 2/2 : : 2	isNullable: False
shortMessageServiceCAMEL	23.008 clause 2.14.1.9/2.14.3.6	type: String
SubscriptionInformationM		multiplicity: 1
TSMSCSI		isOrdered: N/A
		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
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	anoviou valuos. 14/7	isNullable: False
	<u> </u>	ทอาจนแฉมเธ. า ฝอง

ann aggregative and in the Aggregation	00.000 alaura 0.44.0.4	to me a c. Otaria a
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
111071101111111111111111111111111111111		isOrdered: N/A
	II 157 I 5175	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 valdes. 14/71	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 dause 2.14.2.1	multiplicity: 1
ELCapabilityHandiling		
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
mTSMSCSISGSNNegotiatedCA	23.008 clause 2.14.2.1	type: String
MELCapabilityHandling	20.000 0.000 2.1 1.2.1	multiplicity: 1
		isOrdered: 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 dayso 2 14 2 1	
	23.000 Gause 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		multiplicity: 1
		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
İ		isNullable: False

T DOFF TO JONET AGGT T	23.008 clause 2.14.2.2A	to un au Otroin a
vLROfferedCAMEL4CSIs	23.008 clause 2.14.2.2A	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
sGSNSupportedCAMELPhases	23.008 clause 2.14.2.2	type: String
		multiplicity: 1
		isOrdered: N/A
	II D./ I NI/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
	allowedValues: N/A	defaultValue: None
	anowed values. 14/71	isNullable: False
	00.000 0.44.0.4	
gsmSCFaddressforCSI	23.008 clause 2.14.2.4	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
uSSDGeneralCAMELServiceI	23 008 clause 2 14 2 3	type: String
nformationUGCSI	20.000 diau36 2.17.2.0	multiplicity: 1
IIIOIMacionogesi		
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
iSTAlertTimer	23.008 clause 2.15.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	- H	
	allowedValues: N/A	defaultValue: None
		isNullable: False
privacyExceptionList	23.008 clause 2.16.1.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	anowod valdoo. 14/7	isNullable: False
cMI Chimbord	22 000 alays 2 40 4 2	. 0. :
gMLCNumbers	23.008 clause 2.16.1.2	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
mOLRList	23.008 clause 2.16.1.3	type: String
	25.555 5.4455 2.151.15	multiplicity: 1
		isOrdered: N/A
	H 157 1 51/5	isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
serviceTypes	23.008 clause 2.16.1.4	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	anowou v alues. TV/A	
a sea Tea Ad sea t	00.000 1 0.47 4	isNullable: False
ageIndicator	23.008 clause 2.17.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
		portanabio. I albo

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. IN/A	
		isNullable: False
subscribedChargingCharac	23.008 clause 2.19.1	type: String
teristics	20.000 0.0000 2.10.1	multiplicity: 1
teristics		
		isOrdered: N/A
		isUnique: N/A
	II N/ I NI/A	
	allowedValues: N/A	defaultValue: None
		isNullable: False
iMSPrivateUserIdentity	23.008 clause 3.1.1	type: String
IMBFI I Vaceuse I Identity	23.000 clause 3.1.1	
		multiplicity: 1
		lisOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
mula] d atta and alama dela	00 000 -1 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. IVA	
		isNullable: False
listofauthorizedvisitedn	23.008 clause 3.1.4	type: String
etworkidentifiers	23.008 clause 3B.1.4	
etworkidentiliers	23.006 Clause 3B.1.4	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
		defaultValue: None
	allowedValues: N/A	isNullable: False
modiatrationCtatua	22.000 eleves 2.2.4	turna. Ctrina
registrationStatus	23.008 clause 3.2.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	lallowedValues: N/A	defaultValue: None
		isNullable: False
sCSCFName	23.008 clause 3.2.2	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	anoviou v aluco. 1 4// t	
		isNullable: False
diameterClientAddressofS	23.008 clause 3.2.3	type: String
CSCF		
CDCF		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowed\/aluggi NI/A	
	allowedValues: N/A	defaultValue: None
		isNullable: False
serverCapabilities	23.008 clause 3.4.1	type: String
DOT ACT CALADITITIES	20.000 Glause 0.7. I	
		multiplicity: 1
		isOrdered: N/A
	II	isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
1-1-1-1-1-1-1 G 1: 1 G 1	This can be a few to the control of	
initialFilterCriteriaLis	This attribute is a list which contains multiple items of	type: < <datatype>></datatype>
t	initialFilterCriteria (Ref. 23.008 clause 3.5.2)	multiplicity: 1*
		isOrdered: False
	It is a set of initialFilterCriteria (string)	isUnique: True
	, , , , , , , , , , , , , , , , , , ,	defaultValue: None
	allowedValues: N/A	isNullable: True
	allowedValues: N/A	isnullable: True

applicationServerInforma	23.008 clause 3.5.3	type: String
tion		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
serviceIndicationList	This attribute is a list which contains multiple items of	type: < <datatype>></datatype>
SCI VICCIII AICACIOII LISC		
	serviceIndication (Ref. 23.008 clause 3.5.4)	multiplicity: 1*
		isOrdered: N/A
	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	20.000 0.000	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. N/A	lisNullable: False
	00.000 1 0.74	
primaryEventChargingFunc		type: String
tionName	23.008 clause 3B.7.4	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
		defaultValue: None
	allowedValues: N/A	isNullable: False
		ion ramazion i alco
secondaryEventChargingFu	23 008 clause 3 7 2	type: String
nctionName	23.008 clause 3B.7.5	
IICCIOIINAIIIE	23.006 clause 3B.7.3	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
		defaultValue: None
	allowedValues: N/A	isNullable: False
primaryChargingCollectio	23.008 clause 3.7.3	type: String
nFunctionName		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	anowod valuoo. 14/7 (isNullable: False
secondaryChargingCollect	23 008 clause 3 7 4	type: String
ionFunctionName	23.000 clause 3.7.4	
Tom: and cromvalle		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
gsmSCFaddressforIMCSI	23.008 clause 3.8.4	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
iMSSFaddressforIMCSI	23.008 clause 3.8.5	type: String
THISST AUGITESSTOT THICST	23.000 clause 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	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. IV/A	
İ	1	isNullable: False

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VTIMCSI	23.008 clause 3.8.2	type: String
		multiplicity: 1
		isOrdered: N/A
	H N/ I N/A	isUnique: N/A
	allowedValues: N/A	defaultValue: None
1=1100		isNullable: False
dIMCS	23.008 clause 3.8.3	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
gAAServiceType	23.008 clause 3A.1	type: String
		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
		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
	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
		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
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
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
nAFGroupIdentity	23.008 clause 3A.11	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	anomou valuos. 14/1	isNullable: False
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w-APN	23.008 clause 3B.1.3	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
3GPPAAAServerName	23.008 clause 3B.1.6	type: String
SGI ITHRIBET VETNAME	23.000 Gause 3D. 1.0	
		multiplicity: 1
		isOrdered: 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	isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
staticWLANUERemoteIPAddr	23.008 clause 3B.5.1.4	type: String
essList		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowed Value of NI/A	
	allowedValues: N/A	defaultValue: None
		isNullable: False
w-APNBarringTypeList	23.008 clause 3B.5.1.2	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	
	allowed values. IV/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	IdefaultValue: None
	allowed values. N/A	
		isNullable: False
accessDependenceFlag	23.008 clause 3B.5.2	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. N/A	isNullable: False
		ISINUIIADIE. FAISE
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	22 000 days 2P 7 4 4	
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 dauga 3B 7 2	
	23.000 Glause 3D.1.2	type: String
onName		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
secondaryOCSChargingFunc	22 009 played 2P 7 2	
	23.000 clause 3B.7.3	type: String
tionName		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
	<u> </u>	ioi valiabio. I albo

sS-Code	23.008 clause 2.6 29.002 clause 7.6.4.1	type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None
	allowedValues: N/A	isNullable: False
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
	allowed values. N/A	isinuliable. False
activationState	23.008 clause 2.6 29.002 clause 7.6.4.2	type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None
	allowedValues: N/A	isNullable: False
registrationState	23.008 clause 2.6 29.002 clause 7.6.4.2	type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None
	allowedValues: N/A	isNullable: False
overrideCategory	23.008 clause 2.6 29.002 clause 7.6.4.4	type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None
	allowedValues: N/A	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	type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None
	allowedValues: N/A	isNullable: False
forwarded-toSubaddress	23.008 clause 2.6 29.002 clause 7.6.2.23	type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None
	allowedValues: N/A	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
	allowedValues: N/A	isNullable: False

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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
defaultPriority	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
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
TraceReference2	23.008 Clause 2.11.9	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
TraceDepth	23.008 Clause 2.11.10	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	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
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		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

iCSIndicator	23.008 Clause 2.20.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
sTNSR	23.008 Clause 2.21.1	type: String
	20.000 014430 2.21.1	
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
3GPPAAAProxyName	23.008 Clause 3B.1.5	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowed\/aluga, N/A	
	allowedValues: N/A	defaultValue: None
		isNullable: False
w-APNIdentifierList	23.008 Clause 3B.5.1.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
maxNumberAccessesList	22 009 Clause 2P 5 1 5	
maxivumber Accesses List	23.008 Clause 3B.5.1.5	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. IN/A	
		isNullable: False
maxSubscribedBandwidth	23.008 Clause 3B.6.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
subscribed3GPPWLANQoSPro	22 009 Clause 2P 6 4	type: String
	23.000 Clause 3D.0.4	
file		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. N/A	
		isNullable: False
userStatus	23.008 Clause 3B.2.1	type: String
		multiplicity: 1
		isOrdered: N/A
	- H	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
1D744	00 000 Clause 0 44 44	
iPAddressOfTraceCollecti	23.008 Clause 2.11.14	type: String
onEntity		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowed\/aluae: 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
		isNullable: False
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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
_		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
visitedNetworkIdentifier	23.008 Clause 2.13.82	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
mIPSubscriberProfile	23.008 Clause 2.13.86	type: String
		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 0.000 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
Concentrative	25.000 Glause 2.10.00	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
aPNOIReplacement	23.008 Clause 2.13.29	type: String
	25.000 Glause 2.10.25	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
subscribedUEAMBR	23.008 Clause 2.13.30	type: String
	20.000 014400 2.10.00	
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
rFSP	23.008 Clause 2.13.33	type: String
	20.000 Olduse 2. 10.00	
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
pDNGWIdentity	23.008 Clause 2.13.41	
Pringminericity	20.000 Glause 2. 10.41	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
a DODDNO and a set the set of the set of	00.000 01	
ePSPDNConnectionCharging	23.008 Clause 2.13./1	type: String
Characteristics		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	alloweuvalues. IV/A	
		lisNullable: False

		T. O. I
pDNGWAllocationType	23.008 Clause 2.13.105	type: String
		multiplicity: 1
		isOrdered: N/A
	H D7 I N/A	isUnique: N/A
	allowedValues: N/A	defaultValue: None
7		isNullable: False
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		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
	23.008 Clause 2.4.15.3a	type: String
nsupportedFeatureMME		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/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
		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
		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
	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
	CSService and CSSubscribedService). This	isUnique: True
	attribute contains a list of the DN(s) of the related	defaultValue: None
	SuMSubscribedService instance(s).	isNullable: True
		lortanable. True
	 allowedValues: N/A	
	anowed values. IV/A	

theOffer	Models the relationship to a service. The relationship is between a service and a subscription to the same type of service (for example between CSService and CSSubscribedService). This attribute contains the DN of the related SuMService instance. allowedValues: N/A	type: DN multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: True
theService	Models the relationship to a service profile. The relationship is between a subscribed service and a service profile of the same type of service (for example between CSSubscribedService and CSServiceProfile). This attribute contains a list of the DN(s) of the related SuMServiceProfile instance(s). allowedValues: N/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 service profile of the same type of service (for example between CSSubscribedService and CSServiceProfile). This attribute contains the DN of the related SuMSubscribedService instance. allowedValues: N/A	type: DN multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False
thePublicId	Models the relationship from a user's credentials to the IMS Public Identification. This attribute contains a list of the DN(s) of the related IMSPublicIdentification instance(s). allowedValues: N/A	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	Models the relationship from the user data of a mobile User Equipment to a service profile or from a user's credentials to an IMS service profile. This attribute contains a list of the DN(s) of the related SuMServiceProfile derived instance(s). allowedValues: N/A	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	Models the relationship from a subscriber profile or a Subscription Function to a user. This attribute contains a list of the DN(s) of the related SuMUser instance(s). allowedValues: N/A	type: DN multiplicity: 1* isOrdered: False isUnique: True defaultValue: None isNullable: True
theCSSupplServiceForCS	Models the relationship from a CS 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

RS	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
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
theGPRSSupplServiceForGP 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
	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 aggregated SuMSubscriberProfile 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 isNullable: True
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	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			

History

Document history							
V11.0.0	April 2013	Publication (withdrawn)					
V11.0.1	July 2013	Publication					
V11.1.0	July 2014	Publication					