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Foreword

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Introduction

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

The present document is part of a TS-family covering the 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*.
- 3GPP TS 32.101: "Telecommunication management; Principles and high level requirements". [1] 3GPP TS 32.102: "Telecommunication management; Architecture". [2] [3] 3GPP TS 32.140: "Telecommunication management; Subscription Management (SuM) Requirements". 3GPP TS 32.141: "Telecommunication management; Subscription Management (SuM) [4] Architecture." [5] 3GPP TS 28.751: "Telecommunication management; Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP): Requirements". [6] 3GPP TS 28.622: "Telecommunication management; Generic Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS)".
- [7] 3GPP TS 23.008: "Organization of subscriber data".
- [8] 3GPP TS 29.228: "IP Multimedia (IM) Subsystem Cx and Dx interfaces; Signalling flows and message contents".

3 Definitions and abbreviations

3.1 Definitions

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

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

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

Subscription Profile Component Definition: specifies a Subscription Profile Component.

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

User: see 3GPP TS 32.140 [3].

3.2 Abbreviations

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

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

SuM Subscription Management

4 Model

4.1 Imported information entities and local labels

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

4.2 Class diagram

4.2.1 Relationships

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

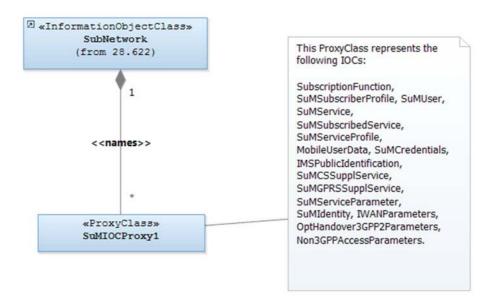


Figure 1a: SuM NRM naming diagram 1

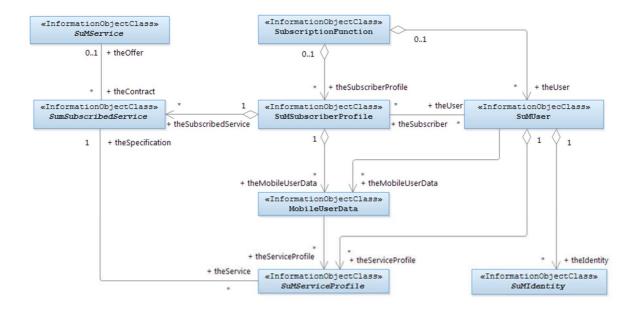


Figure 1b: SuM NRM Containment and Association diagram 1

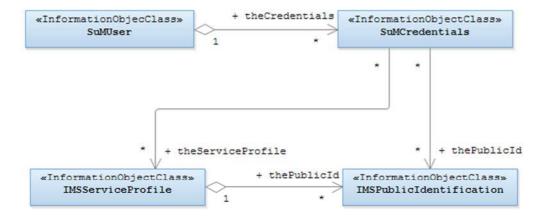


Figure 1c: SuM NRM Containment and Association diagram 2



Figure 1d: SuM Supplementary Service NRM Aggregation diagram 1

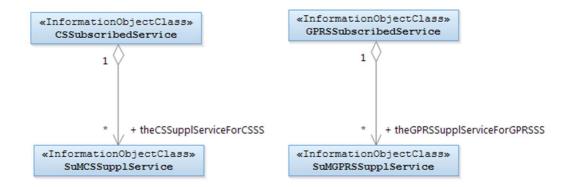


Figure 1e: SuM Supplementary Service NRM Aggregation diagram 2

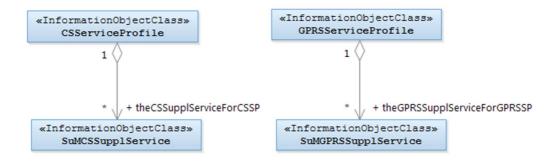


Figure 1f: SuM Supplementary Service NRM Aggregation diagram 3

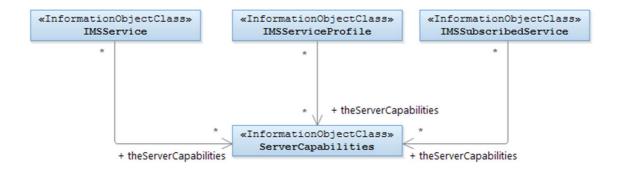


Figure 1g: SuM IMS Service Containment and Association diagram 1

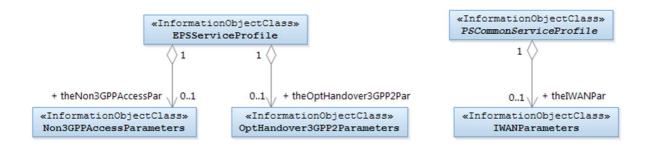


Figure 1h: Service Profile NRM Association diagram

4.2.2 Inheritance

This subclause depicts the inheritance relationships.

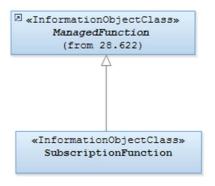


Figure 2a: SuM NRM Inheritance Hierarchy 1

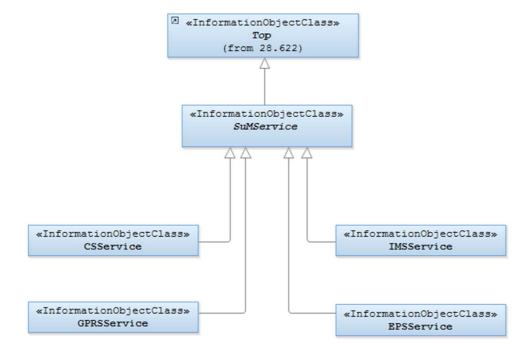


Figure 2b: SuM NRM Inheritance Hierarchy 2

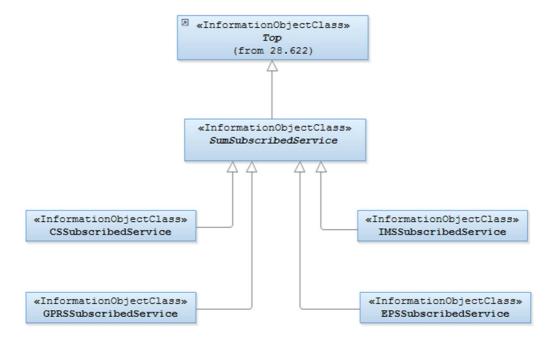


Figure 2c: SuM NRM Inheritance Hierarchy 3

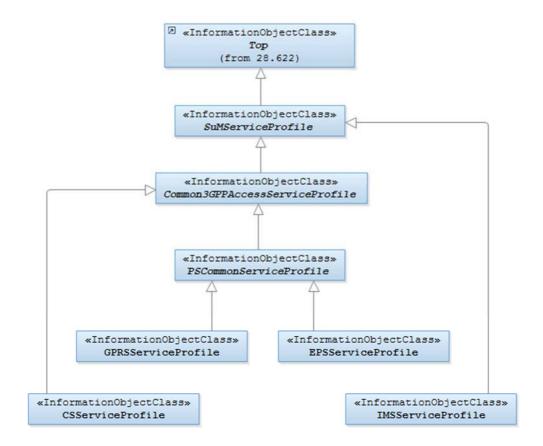


Figure 2d: SuM NRM Inheritance Hierarchy 4

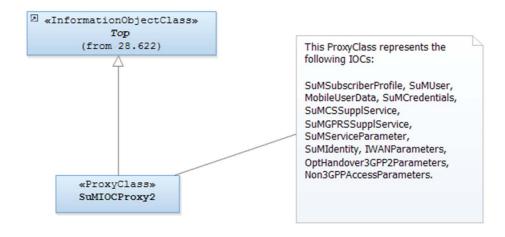


Figure 2e: SuM NRM Inheritance Hierarchy 5

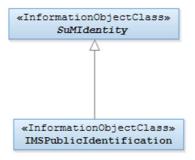


Figure 2f: SuM NRM Inheritance Hierarchy 8

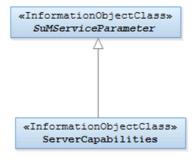


Figure 2g: SuM NRM Inheritance Hierarchy 9

4.3 Class definitions

4.3.1 SuMService

4.3.1.1 Definition

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

4.3.1.2 Attributes

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

4.3.1.3 Attribute constraints

None.

4.3.1.4 Notifications

None.

4.3.2 CSService

4.3.2.1 Definition

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

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

4.3.2.2 Attributes

Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
networkAccessMode	M	M	М	-	-
basicMSISDNIndicator	0	М	М	-	-
mSISDNAlertIndicator	0	М	М	-	-
subscriptionRestriction	0	М	М	-	-
rSZIlists	0	М	M	-	-
lSAIdentity	0	М	M	-	-
lsAPriority	0	М	M	-	-
lSAPreferentialAccessIndicator	0	М	M	-	-
lSAActiveModeSupportIndicator	0	M	M	-	-
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	М	M	-	-
serviceTypes	0	M	M	-	-
mobileStationCategory	0	М	M	-	-
lMUIdentifier	0	M	M	-	-
subscriberStatus	0	М	M	-	-
gsmSCFaddresslistForODB	M	M	M	-	-
provisionOfBearerService	M	M	M	-	-
provisionOfTeleservice	M	М	M	-	-
bCAllocation	0	М	M	-	-
barringOfOutgoingCalls	0	М	M	-	-
barringOfIncomingCalls	0	М	M	-	-
barringOfRoaming	0	М	M	-	-
barringOfPremiumRateCalls	0	М	M	-	-
barringOfSupplementaryService	0	М	M	-	-
Management					
barringOfRegistrationOfCall	Ο	M	M	-	-
Forwarding					
barringOfInvocationOfCall	0	M	M	-	-
Transfer					
operatorDeterminedBarring	0	M	M	-	-
PLMNspecificData					
vGCSGroupMembershipList	0	M	M	-	-
vBSGroupMembershipList	0	M	M	-	-
broadcastCallInitiation	0	M	M	-	-
AllowedList		N4	N 4		
originatingCAMELSubscription InformationOCSI	0	M	М	-	-
terminatingCAMELSubscription	0	M	M	_	
InformationTCSI	U	IVI	IVI	-	-
vMSCTerminatingCAMEL	0	M	M	_	_
SubscriptionInformationVTCSI	O	IVI	IVI	_	_
locationInformation	0	M	М	_	_
SubscriberStateInformation	J	IVI	101		
uSSDCAMELSubscription	0	M	М	-	-
InformationUCSI	Ü	141			
sSInvocationNotificationSSCSI	0	M	М	-	-
translationInformation	0	M	M	-	-
FlagTIFCSI	J				
dialledServiceCAMEL	0	M	М	-	-
SubscriptionInformationDCSI					
uSSDGeneralCAMELService	0	M	М	-	-
InformationUGCSI					
shortMessageServiceCAMEL	0	M	M	-	-
SubscriptionInformationMOSMSCSI					
shortMessageServiceCAMEL	0	M	M	-	-
SubscriptionInformationMTSMSCSI					
mTSMSCSIVLRNegotiatedCAMEL	Ο	M	M	-	-
CapabilityHandling					
gsmSCFaddressforCSI	0	M	M	-	-
iSTAlertTimer	0	M	M	-	-

cSAllocationRetentionpriority	0	M	М	-	-
iCSIndicator	0	M	М	-	-
Attribute related to role					
theCSSupplServiceForCS	0	M	0	-	-

4.3.2.3 Attribute constraints

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

4.3.2.4 Notifications

None.

4.3.3 GPRSService

4.3.3.1 Definition

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

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

4.3.3.2 Attributes

Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
networkAccessMode	M	M	M	-	-
basicMSISDNIndicator	0	M	M	-	-
mSISDNAlertIndicator	0	M	M	-	-
rSZIlists	0	M	M	-	-
lSAIdentity	0	M	M	-	-
lsAPriority	0	M	M	-	-
lSAPreferentialAccessIndicator	0	M	M	-	-
lSAActiveModeSupportIndicator	0	M	M	-	-
lSAOnlyAccessIndicator	0	M	М	-	-
lSAActiveModeIndicator	0	M	М	-	-
vPLMNIdentifier	0	M	М	-	-
accessRestrictionData	0	М	М	-	-
privacyExceptionList	0	М	М	-	-
gMLCNumbers	0	М	М	-	-
mOLRList	0	М	М	-	-
serviceTypes	0	M	M	_	_
gGSNNumber	M	M	M	_	-
provisionofTeleservice	0	M	M	_	-
transferofSMoption	M	M	M	_	-
subscriberStatus	M	M	M	_	
barringofPacketOrientedServices	O	M	M		
	0	M	M	_	
pDPType pDPAddress	0	M	M		-
accessPointName				-	-
	0	M	M	-	-
vPLMNAddressAllowed		M	M	-	-
qualityofServiceSubscribed	0	M	M	-	-
pDPContextChargingCharacteristic s	0	M	М	-	-
gPRSCAMELSubscriptionInformation GPRSCSI	0	M	M	-	-
mOShortMessageServiceCAMELSubscr iptionInformationMOSMSCSI	0	М	M	-	-
mTShortMessageServiceCAMELSubscr	0	М	М	-	-
iptionInformationMTSMSCSI mOSMSCSISGSNNegotiatedCAMELCapab	0	M	M	-	-
ilityHandling mTSMSCSISGSNNegotiatedCAMELCapab	0	M	M	-	-
ilityHandling mobilityManagementforGPRSeventno	0	M	M	-	-
tificationMGCSI mGCSINegotiatedCAMELCapabilityHa	0	M	M	_	_
ndling				-	_
gsmSCFaddressforCSI	0	M	M	-	-
subscribedChargingCharacteristic s	0	M	М	-	-
closedSubscriberGroupInformation	0	M	M	-	-
gSMSCFaddresslistForODB	0	M	M	-	-
barringOfOutgoingCalls	0	M	M	-	-
barringOfRoaming	0	М	М	-	-
operatorDeterminedBarringPLMNspe cificData	0	M	M	-	-
sTNSR	0	М	М	_	_
iCSIndicator	0	M	M	-	_
listofauthorizedvisitednetworkid	0	M	M	_	_
entifiers	_				
wLANUERemoteIPaddress	0	M	M	-	-
staticWLANUERemoteIPAddressList	0	M	M	-	-
w-APNBarringTypeList	0	M	M	-	-
w-APNChargingDataList	0	M	M	-	-
accessDependenceFlag	0	M	M	-	-
chargingCharacteristics	0	M	M	-	-
primaryOCSChargingFunctionName	0	M	M	-	-
secondaryOCSChargingFunctionName	0	M	M	-	-

primaryChargingCollectionFunctio	0	M	М	-	-
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	icNetifyable
listofauthorizedvisitednetworkid	M	M	M	15111Variatit	isNotifyable
entifiers	IVI	IVI	IVI	-	-
registrationStatus	M	М	М	-	-
sCSCFName	O	M	-	_	_
diameterClientAddressofSCSCF	0	M	_	_	_
subscribedMediaProfileIdentifier	0	M	М	_	_
initialFilterCriteriaList	0	M	M	_	-
applicationServerInformation	0	M	M	_	_
serviceIndicationList	0	M	- ''	_	_
primaryEventChargingFunctionName	0	M	М	-	_
secondaryEventChargingFunctionNa	0	M	M	_	_
me					
primaryChargingCollectionFunctio	M	М	М	-	-
nName					
secondaryChargingCollectionFunct	0	M	М	-	-
ionName					
gsmSCFaddressforIMCSI	0	M	М	-	-
oIMCSI	0	М	М	-	-
VTIMCSI	0	М	M	-	-
dIMCS	0	M	M	-	-
gAAServiceType	0	M	M	-	-
gAAServiceIdentifier	0	M	M	-	-
gBAUserSecuritySettings	0	M	M	-	-
userSecuritySetting	0	M	M	-	-
userPublicIdentity	0	M	M	-	-
gAAAuthorizationflag	0	M	М	-	-
keyLifetime	0	М	М	-	-
uICCSecurityType	0	М	М	-	-
nAFGroupIdentity	0	М	М	-	-
Attribute related to role					
theServerCapabilities	0	M	-	-	-

4.3.4.3 Attribute constraints

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

4.3.4.4 Notifications

None.

4.3.5 SuMSubscribedService

4.3.5.1 Definition

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

4.3.5.2 Attributes

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

4.3.5.3 Attribute constraints

None.

4.3.5.4 Notifications

None.

4.3.6 CSSubscribedService

4.3.6.1 Definition

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

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

4.3.6.2 Attributes

Attuibute manne	Commant Oscalition	ia Dan dahla	:=\M/=:t=ble	ialavaniant	ia Natifyrala la
Attribute name networkAccessMode	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
	<u>М</u> О	M M	M M	-	-
basicMSISDNIndicator mSISDNAlertIndicator	0	M	M	-	-
subscriptionRestriction	0	M	M	-	-
rSZIlists	0	M	M	-	-
1SAIdentity	0	M	M	-	-
lsAPriority	0	M	M	-	-
lSAPreferentialAccessIndicator	0	M	M	-	-
1SAActiveModeSupportIndicator	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		
mobileStationCategory	0	M	M		
lMUIdentifier	0	M	M		
subscriberStatus	0	M	M		
qsmSCFaddresslistForODB	<u>U</u>	M	M	-	
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	O	IVI	IVI	_	_
barringOfRegistrationOfCall	0	М	М	-	-
Forwarding	· ·				
barringOfInvocationOfCall	0	М	М	-	-
Transfer	_				
operatorDeterminedBarring	0	М	М	-	-
PLMNspecificData					
vGCSGroupMembershipList	0	М	M	-	-
vBSGroupMembershipList	0	М	M	ı	1
broadcastCallInitiation	0	М	М	-	-
AllowedList					
originatingCAMELSubscription	0	M	M	-	-
InformationOCSI					
terminatingCAMELSubscription	0	M	M	-	-
InformationTCSI					
vMSCTerminatingCAMEL	0	М	M	-	-
Subscription					
InformationVTCSI		N 4	8.4		
locationInformation/ SubscriberStateInformation	0	M	М	-	-
uSSDCAMELSubscription	0	M	M	-	_
InformationUCSI	U	IVI	IVI	_	_
sSInvocationNotification	0	M	M	_	_
SSCSI	O	IVI	IVI	_	_
translationInformationFlag	0	М	М	-	-
TIFCSI	Ŭ	141	'*'		
dialledServiceCAMEL	0	М	М	-	-
SubscriptionInformationDCSI	•				
uSSDGeneralCAMELService	0	М	М	-	-
InformationUGCSI					
shortMessageServiceCAMEL	0	М	М	-	-
SubscriptionInformationMOSMSCSI					
shortMessageServiceCAMEL	0	М	М	-	-
SubscriptionInformationMTSMSCSI					
mTSMSCSIVLRNegotiatedCAMEL	0	M	М	-	-
CapabilityHandling					

gsmSCFaddressforCSI	0	M	M	-	-
iSTAlertTimer	0	M	M	-	-
cSAllocationRetentionpriority	0	M	M	-	-
iCSIndicator	0	M	М	-	-
Attribute related to role					
theCSSupplServiceForCSSS	0	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

Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
networkAccessMode	M	M	M	-	-
basicMSISDNIndicator	0	М	M	-	-
mSISDNAlertIndicator	0	M	M	-	-
rSZIlists	0	M	M	-	-
lSAIdentity	0	M	M	-	-
lSAPriority	0	M	M	-	-
lSAPreferentialAccessIndicator	0	M	M	-	-
lSAActiveModeSupportIndicator	0	M	M	-	-
lSAOnlyAccessIndicator	0	M	М	-	-
lSAActiveModeIndicator	0	M	M	-	-
vPLMNIdentifier	0	M	М	-	-
accessRestrictionData	0	M	М	-	-
privacyExceptionList	0	M	М	-	-
gMLCNumbers	0	М	М	-	-
mOLRList	0	М	М	-	-
serviceTypes	0	M	М	-	-
gGSNNumber	M	M	M	_	-
provisionofTeleservice	0	M	M	_	_
transferofSMoption	M	M	M	-	_
subscriberStatus	M	M	M		_
barringofPacketOrientedServices	O	M	M		_
pDPType	0	M	M	-	_
pDPAddress	0	M	M	-	-
accessPointName	0	M	M		
				-	-
vPLMNAddressAllowed	0	M	M	-	-
qualityofServiceSubscribed	0	M	M	-	-
pDPContextCharging	0	M	M	-	-
Characteristics					
gPRSCAMELSubscription	0	М	M	-	-
InformationGPRSCSI					
mOShortMessageService	0	М	M	-	-
CAMELSubscription					
InformationMOSMSCSI	0	N 4	N.4		
mTShortMessageService	0	М	M	-	-
CAMELSubscription InformationMTSMSCSI					
	0	N 4	N 4		
mOSMSCSISGSNNegotiated	0	М	M	-	-
CAMELCapabilityHandling mTSMSCSISGSNNegotiated	0	N 4	N.4		
	0	М	M	-	-
CAMELCapabilityHandling	0	N 4	N 4		
mobilityManagementforGPRSevent	0	М	M	-	-
notificationMGCSI	0	N 4	N.4		
mGCSINegotiatedCAMEL	0	М	M	-	-
CapabilityHandling	0	N 4	N.4		
gsmSCFaddressforCSI	0	M	M	-	-
subscribedCharging	0	М	M	-	-
Characteristics					
closedSubscriberGroup	0	М	M	-	-
Information					
gSMSCFaddresslistForODB	0	M	M	-	-
barringOfOutgoingCalls	0	M	M	-	-
barringOfRoaming	0	М	M	-	-
operatorDeterminedBarring	0	M	M	-	-
PLMNspecificData		<u> </u>			
sTNSR	0	M	M	-	-
iCSIndicator	0	M	M	-	-
listofauthorizedvisitednetwork	0	M	M	-	-
identifiers					
wLANUERemoteIPaddress	0	M	M	-	-
staticWLANUERemoteIP	0	M	M	-	-
AddressList					
w-APNBarringTypeList	0	М	M	-	-
w-APNChargingDataList	0	М	M	-	-
accessDependenceFlag	0	М	М	-	-

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

4.3.7.3 Attribute constraints

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

4.3.7.4 Notifications

None.

4.3.8 IMSSubscribedService

4.3.8.1 Definition

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

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

4.3.8.2 Attributes

Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
listofauthorizedvisitednetwo	M	M	М	-	-
rkidentifiers					
registrationStatus	M	М	M	-	-
sCSCFName	0	М	-	-	-
diameterClientAddressofSCSCF	0	M	-	-	•
subscribedMediaProfileIdenti	0	M	M	-	-
fier					
initialFilterCriteriaList	0	M	M	-	-
applicationServerInformation	0	M	M	-	-
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	M	M	-	-
userPublicIdentity	0	M	M	-	-
gAAAuthorizationflag	0	M	M	-	-
keyLifetime	0	M	M	-	-
uICCSecurityType	0	M	M	-	-
nAFGroupIdentity	0	M	M	-	-
Attribute related to role					
theServerCapabilities	0	M	-	-	-

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	М	М	0	-	-

4.3.9.3 Attribute constraints

None.

4.3.9.4 Notifications

None.

4.3.10 SuMServiceProfile

4.3.10.1 Definition

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

4.3.10.2 Attributes

Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
Attribute related to role					
theSpecification	M	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	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
basicMSISDNIndicator	0	M	M	-	-
mSISDNAlertIndicator	0	М	M	-	-
vLRNumber	M	M	-	-	-
mSCNumber	M	M	-	-	-
subscriptionRestriction	0	M	M	-	-
mSCAreaRestrictedFlag	M	M	-	-	-
oDBinducedBarringData	0	M	-	-	-
roamingRestrictionDueTo	M	M	-	-	-
UnsupportedFeature					
lSAIdentity	0	M	М	-	-
lSAPriority	0	M	М	-	-
lSAPreferentialAccessIndicator	0	М	М	-	-
lSAActiveModeSupportIndicator	0	М	М	-	-
lSAOnlyAccessIndicator	0	М	М	_	-
lSAActiveModeIndicator	0	M	M	_	_
vPLMNIdentifier	0	M	M	_	_
ageIndicator	0	M	-	_	_
lmsi	M	M	_	_	_
mobileStationCategory	M	M	M	_	_
1MUIdentifier	O	M	M	-	-
mNRRMSC					
	M	M	-	-	-
notificationToCSEFlagForODB	0	M	-	-	-
gsmSCFaddresslistForODB	0	M	M	-	-
messagesWaitingData	0	M	-	-	-
mobileStationNotReachableFlag	0	М	-	-	-
memoryCapacityExceededFlag	M	M	-	-	-
traceReference	0	M	-	-	-
traceType	0	M	-	-	-
operationsSystemsIdentity	0	M	-	-	-
hLRTraceType	0	M	-	-	-
mAPErrorOnTrace	0	M	-	-	-
traceActivatedInVLR	0	M	-	-	-
provisionOfBearerService	M	M	M	-	-
provisionOfTeleservice	M	M	M	-	-
bCAllocation	0	M	М	-	-
checkSSIndicator	M	M	-	-	-
mSPurgedForNonGPRSFlag	М	М	-	-	-
barringOfIncomingCalls	0	М	М	-	-
barringOfPremiumRateCalls	0	M	M	_	-
barringOfSupplementaryService	0	M	M	_	_
Management		141			
barringOfRegistrationOfCall	0	М	М	-	_
Forwarding		101	141		
barringOfInvocationOfCallTransfer	0	М	М	_	_
vGCSGroupMembershipList	0	M	M	_	_
vBSGroupMembershipList	0	M	M	_	_
broadcastCallInitiationAllowedList	0	M	M	_	_
originatingCAMELSubscription	0	M	M		_
InformationOCSI		IVI	IVI		
terminatingCAMELSubscription	0	М	M	_	-
InformationTCSI		IVI	IVI	_	_
vMSCTerminatingCAMEL	0	М	М	_	_
SubscriptionInformationVTCSI		IVI	IVI		
locationInformationSubscriber	0	М	М	_	-
StateInformation		IVI	IVI	_	_
uSSDCAMELSubscription	0	М	M	_	_
InformationUCSI		IVI	IVI	_	
sSInvocationNotificationSSCSI	0	M	M		
translationInformationFlagTIFCSI				-	-
	0	M	M	-	-
dialledServiceCAMELSubscription InformationDCSI	0	М	М	-	_
		N A	N //		
uSSDGeneralCAMELService InformationUGCSI	0	M	М	-	-
THITOTIMACTOHOGCST	1	<u> </u>	<u> </u>		<u> </u>

Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
oCSINegotiatedCAMEL	0	M	-	-	-
CapabilityHandling					
sSCSINegotiatedCAMEL	0	М	-	-	-
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	-	-	-
gsmSCFaddressforCSI	0	M	M	-	-
vLROfferedCAMEL4CSIs	0	M	-	-	-
iSTAlertTimer	0	М	М	-	-
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	M	M	-	-
mSISDNAlertIndicator	0	M	M	-	-
vLRNumber	M	M	-	-	-
lSAIdentity	0	M	M	-	-
lSAPriority	0	М	M	-	-
lSAPreferentialAccessIndicator	0	M	M	-	-
lSAActiveModeSupportIndicator	0	M	M	-	-
lSAOnlyAccessIndicator	0	M	M	-	-
lSAActiveModeIndicator	0	M	M	-	-
vPLMNIdentifier	0	M	M	-	-
ageIndicator	0	M	-	-	-
sGSNNumber	M	M	-	-	-
gGSNNumber	M	М	M	-	-
mNRG	M	М	-	-	-
provisionofTeleservice	0	М	М	-	-
transferofSMoption	M	M	M	_	-
mSpurgedforGPRSflag	M	M	-	_	-
pDPType	0	M	М	_	_
pDPAddress	Ö	M	M	_	_
gGSNlist	M	M	-	_	_
qualityofServiceSubscribed	O	M	M	-	_
pDPContextIdentifier	0	M	-	-	-
pDPContextIdentIIIeI pDPContextChargingCharacteristics	0	M			-
gPRSCAMELSubscriptionInformation	0	M	M M	-	-
GPRSCSI	U	IVI	IVI	-	-
mOShortMessageServiceCAMEL	0	M	M	_	_
SubscriptionInformationMOSMSCSI	U	IVI	IVI	-	-
mTShortMessageServiceCAMEL	0	M	M	_	
SubscriptionInformationMTSMSCSI	U	IVI	IVI	-	-
mOSMSCSISGSNNegotiatedCAMEL	0	M	M	_	_
CapabilityHandling	U	IVI	IVI	-	-
mTSMSCSISGSNNegotiatedCAMEL	0	М	M	_	_
CapabilityHandling	U	IVI	IVI	-	-
mobilityManagementforGPRS	0	М	M	_	_
eventnotificationMGCSI	U	IVI	IVI	-	-
mGCSINegotiatedCAMEL	0	М	M	_	_
CapabilityHandling	U	IVI	IVI	-	-
gPRSCSINegotiatedCAMEL	0	М	-	_	_
CapabilityHandling	U	IVI	_	-	-
sGSNSupportedCAMELPhases	0	М	-	-	_
sGSNOfferedCAMEL4CSIs	0	M	_	_	-
gsmSCFaddressforCSI	0		- N4	-	-
5		M	M	-	-
gSMSCFaddresslistForODB	0	M	M	-	-
iPSMGWNumber	0	M	-	-	-
mNRR-SGSN	0	M	-	-	-
notificationToCSEFlagForODB	0	M	-	-	-
Attribute related to role					
theGPRSSupplServiceForGPRSSP	0	M	0	-	-

4.3.12.3 Attribute constraints

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

4.3.12.4 Notifications

None.

4.3.13 IMSServiceProfile

4.3.13.1 Definition

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

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

4.3.13.2 Attributes

Attailanta mana	Commant Oscalities	iaDaadahla	ia\A/nitabla	ialmussiant	ia Natifica bla
Attribute name listofauthorizedvisitednetwork	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
identifiers	M	М	M	-	-
registrationStatus	M	M	M	_	_
sCSCFName	O	M	IVI -	-	-
diameterClientAddressofSCSCF	0		-	-	-
subscribedMediaProfileIdentifi	0	M	-	-	-
subscribedMediaProfileIdentifi er	U	M	M	-	-
initialFilterCriteriaList	0	М	М	_	-
applicationServerInformation	0	M	M	_	_
serviceIndicationList	0	M	- '*'	_	_
primaryEventChargingFunctionNa	0	M	M	-	-
secondaryEventChargingFunction Name	0	M	М	-	-
primaryChargingCollectionFunct ionName	M	M	M	-	-
secondaryChargingCollectionFun ctionName	0	М	M	-	-
gsmSCFaddressforIMCSI	0	М	М	-	-
iMSSFaddressforIMCSI	0	М	-	-	-
oIMCSI	0	М	M	-	-
VTIMCSI	0	М	М	-	-
dIMCS	0	М	М	-	-
gAAServiceType	0	М	М	-	-
gAAServiceIdentifier	0	М	М	-	-
gBAUserSecuritySettings	0	М	М	-	-
userSecuritySetting	0	М	М	-	-
userPublicIdentity	0	M	M	-	-
gAAAuthorizationflag	0	М	М	-	-
keyLifetime	0	М	М	-	-
uICCSecurityType	0	М	М	-	-
nAFGroupIdentity	0	М	М	-	-
thePublicId	M	М	0	-	-
Attribute related to role					
theServerCapabilities	0	M	-	-	-

4.3.13.3 Attribute constraints

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

4.3.13.4 Notifications

None.

4.3.14 SubscriptionFunction

4.3.14.1 Definition

This class represents subscription functionality.

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

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

This class contains the reference to its aggregated Users.

This class contains the reference to its aggregated Subscriber Profiles.

4.3.14.2 Attributes

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

4.3.14.3 Attribute constraints

None.

4.3.14.4 Notifications

None.

4.3.15 SuMCSSupplService

4.3.15.1 Definition

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

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

4.3.15.2 Attributes

Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
sS-Code	M	M	M	-	-
provisioningState	M	M	М	-	-
activationState	M	M	М	-	-
registrationState	0	M	М	-	-
overrideCategory	0	М	М	-	-
cLIRestrictionOption	0	M	М	-	-
forwarded-toNumber	0	M	M	-	-
forwarded-toSubaddress	0	M	М	-	-
noReplyConditionTimer	0	М	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	isNotifvable
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	M	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
theServicePro	If theServiceProfile points to at least one instance of IMSServiceProfile,
file	thePublicId of the same object instance of SuMCredentials may not point to any instance of IMSPublicIdentification.
	All instances of this relationship from the same object instance of SuMCredentials shall be to object instances of IMSServiceProfile that are
	 i) name-contained by the same object instance of SuMUser as name-contains the SuMCredentials object instance, and
	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	M	-	-
barringIndication	M	M	M	-	-

4.3.19.3 Attribute constraints

None.

4.3.19.4 Notifications

None.

4.3.20 MobileUserData

4.3.20.1 Definition

This class represents user data of a mobile User Equipment.

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

4.3.20.2 Attributes

Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
theServiceProfile	M	M	0	-	-
iMSI	M	M	М	-	-
mSISDN	M	M	М	-	-
multinumberingMSISDNs	M	M	М	-	-
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	O O	M	M	ISIIIValialit	isivotiiyabie
access Restriction Data	0	M	M	_	-
aPNAMBR	M	M	M	_	-
barringofPacketOrientedService	O	M	M	_	_
s		IVI	IVI	_	-
contextIdentifier	M	М	М	-	_
operatorDeterminedBarringPLMNs	0	M	M	_	_
pecificData		IVI	171		
pDNAddress	0	М	М	_	-
rSZILists	0	М	М	_	-
sTNSR	Ō	M	M	-	-
subscribedChargingCharacterist	0	М	М	-	-
ics					
subscriberStatus	0	M	М	-	-
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	-	-
iCSIndicator	0	M	M	-	-
aPNOIReplacement	0	M	M	-	-
subscribedUEAMBR	M	M	M	-	-
aPNConfigurationProfile	M	M	M	-	-
rFSP	0	M	M	-	-
vPLMNAddressAllowed-EPS	M	M	M	-	-
pDNGWIdentity	0	M	M	-	-
ePSPDNConnectionChargingCharac teristics	0	M	М	-	-
pDNGWAllocationType	M	M	M	_	_
aPNLevelAPNOIReplacement	O	M	M		
closedSubscriberGroupInformati	0	M	M	-	-
on		IVI	IVI	-	-
listofauthorizedvisitednetwork	0	M	M	_	
identifiers		IVI	IVI	_	-
staticWLANUERemoteIPAddressLis	0	М	М	_	-
t		141	141		
w-APNBarringTypeList	0	M	M	-	-
w-APNChargingDataList	0	M	M	-	-
wLANUERemoteIPAddress	0	M	M	-	-
accessDependenceFlag	0	M	M	-	-
chargingCharacteristics	0	M	M	-	-
primaryOCSChargingFunctionName	0	M	M	-	-
secondaryOCSChargingFunctionNa	0	M	M	-	-
me					
primaryChargingCollectionFunct ionName	0	М	M	-	-
secondaryChargingCollectionFun	0	M	М	_	-
ctionName		IVI	171		
w-APNIdentifierList	0	M	М	-	-
maxNumberAccessesList	0	M	M	_	_
maxSubscribedBandwidth	Ö	M	M	-	-
subscribed3GPPWLANQoSProfile	0	M	M	-	-
permanentUserIdentity	Ö	M	M	-	-
mIPSubscriberProfile	0	M	M	_	-
accessRestrictionData	Ö	M	M	_	_
	·		· · · · · ·	ļ	Ļ

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	O	M	M	-	-
access Restriction Data	Ö	M	M	_	-
aPNAMBR	M	M	M	_	_
barringofPacketOrientedServices	O	M	M	_	-
contextIdentifier	M	M	M	-	-
operatorDeterminedBarringPLMNspec	O	M	M	_	
ificData		IVI	IVI		_
pDNAddress	0	М	М	_	
rSZILists	0	M	M	-	-
STNSR	0	M	M	_	-
subscribedChargingCharacteristics	0	M	M	-	-
subscribedchargingcharacteristics subscriberStatus	0	M	M	-	
networkAccessMode	M	M	M	-	-
barringOfOutgoingCalls	O	M	M	-	-
barringOffoaming	0	M	M		
	0	M	M M	-	-
privacyExceptionList				-	-
gMLCNumbers mOLRList	0	M M	M	-	-
			M	-	-
serviceTypes	0	M	M	-	-
iCSIndicator	0	M	M	-	-
aPNOIReplacement	0	M	M	-	-
subscribedUEAMBR	M	M	M	-	-
aPNConfigurationProfile	M	M	M	-	-
rFSP	0	M	M	-	-
vPLMNAddressAllowed-EPS	M	M	M	-	-
pDNGWIdentity	0	M	M	-	-
ePSPDNConnectionChargingCharacter	0	M	M	-	-
istics		N 4	N 4		
pDNGWAllocationType	M	M	M	-	-
aPNLevelAPNOIReplacement	0	M	M	-	-
closedSubscriberGroupInformation	0	M	M	-	-
Listofauthorizedvisitednetworkide	0	M	M	-	-
ntifiers					
wLANUERemoteIPaddress	0	M	M	-	-
staticWLANUERemoteIPAddressList	0	M	M	-	-
w-APNBarringTypeList	0	M	M	-	-
w-APNChargingDataList	0	M	M	-	-
accessDependenceFlag	0	M	M	-	-
chargingCharacteristics	0	M	M	-	-
primaryOCSChargingFunctionName	0	M	M	-	-
secondaryOCSChargingFunctionName	0	M	M	-	-
primaryChargingCollectionFunction	0	M	M	-	-
Name					
secondaryChargingCollectionFuncti	0	M	M	-	-
onName					
w-APNIdentifierList	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	icNetifyabla
aPNAMBR	Support Qualifier	10110000000	101111111111	ISINVARIANT	isNotifyable
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	М	-	-
aPNLevelAPNOIReplacement	0	M	М	-	-
roamingRestrictionDueToUnsupportedF	M	M	-	-	-
eatureMME					
roamingRestrictionDueToUnsupportedF	M	M	-	-	-
eatureSGSN					
mSPurgedForEPSFlag	M	M	-	-	-
urrpmme	0	M	-	-	-
mMEName	M	M	-	-	-
sGSNName	M	М	-	-	-
iWFNumber	0	М	-	-	-
sGSNAreaRestrictedFlag	M	M	-	-	-
Attribute related to role					
theOptHandover3GPP2Par	M	M	0	-	-
theNon3GPPAccessPar	M	M	0	-	-

4.3.26.3 Attribute constraints

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

4.3.26.4 Notifications

4.3.27 PSCommonServiceProfile

4.3.27.1 Definition

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

4.3.27.2 Attributes

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

4.3.27.3 Attribute constraints

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

4.3.27.4 Notifications

4.3.28 IWANParameters

4.3.28.1 Definition

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

4.3.28.2 Attributes

Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
w-APN	O	M	- ISVVIIIADIC	- ISIIIVariant	-
listofauthorizedvisitednetwo	0	M	M	_	
rkidentifiers		141	101		
3GPPAAAServerName	0	М	-	-	_
3GPPAAAProxyName	0	M	-	-	-
wLANUERemoteIPaddress	0	M	М	-	-
staticWLANUERemoteIPAddressL ist	0	M	M	-	-
w-APNBarringTypeList	0	М	М	-	-
w-APNChargingDataList	0	М	М	-	-
accessDependenceFlag	0	М	М	-	-
i-WLANAccessType	0	М	-	-	-
wLANIdentifierList	0	М	М	-	-
maxNumberAccessesList	0	М	М	-	-
maxSubscribedBandwidth	0	М	М	-	-
subscribed3GPPWLANQoSProfile	0	М	М	-	-
chargingCharacteristics	M	М	М	-	-
primaryOCSChargingFunctionNa me	0	M	М	-	-
secondaryOCSChargingFunction Name	0	M	М	-	-
primaryChargingCollectionFun ctionName	0	M	М	-	-
secondaryChargingCollectionF unctionName	0	M	М	-	-
userStatus	M	М	-	-	-

4.3.28.3 Attribute constraints

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

4.3.28.4 Notifications

4.3.29 OptHandover3GPP2Parameters

4.3.29.1 Definition

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

4.3.29.2 Attributes

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

4.3.29.3 Attribute constraints

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

4.3.29.4 Notifications

None.

4.3.30 Non3GPPAccessParameters

4.3.30.1 Definition

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

4.3.30.2 Attributes

Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifvable
Attribute name	Support Qualifier	isiteadable	ISTALICADIC	isiiivailailt	isitotiiyable
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

	0 10 110				
Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
rSZIlists	0	M	M	-	-
accessRestrictionData	0	M	M	-	-
subscriberStatus	0	M	M	-	-
barringOfOutgoingCalls	0	M	M	-	-
barringOfRoaming	0	M	M	-	-
operatorDeterminedBarringPLMNs	0	М	M	-	-
pecificData					
traceReference2	0	M	-	-	-
traceDepth	0	М	-	-	-
listOfNETypestoTrace	0	М	-	-	-
triggeringEvents	0	М	-	-	-
listOfInterfacesToTrace	0	М	-	-	-
privacyExceptionList	0	М	M	-	-
gMLCNumbers	0	М	M	-	-
iCSIndicator	0	М	M	-	-
mOLRList	0	M	M	-	-
serviceTypes	0	М	M	-	-
networkAccessMode	M	М	M	-	-

4.3.31.3 Attribute constraints

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

4.3.31.4 Notifications

None.

4.4 Attribute definitions

4.4.1 Attribute properties

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

A description of (information for) the Subscriber Profile. It is with free structure and format. It is ordered: NA is IsInque: NA defaultValue: None is Nullable: False It is ordered: NA is Unique: NA defaultValue: None is Nullable: Palse It is ordered: NA is Unique: NA defaultValue: None is Nullable: Palse It is ordered: NA is Unique: NA defaultValue: None is Nullable: False It is a sequence of two items: It	Attribute Name	Documentation and Allowed values	Properties
It is with free structure and format. allowedValues: N/A allowed			
ISOTotered: N/A SUnique: N/A default/value: None isNullable: False total t			
INSI			isUnique: N/A
MSI		allowedValues: N/A	defaultValue: None
multiplicity: 1 SOrdered: NA SUnique: NA Isolatered: NA Isolater			isNullable: False
allowedValues: N/A basicMSISDNIndicator which can be one of two choices: a) "BASIC" b) "ALERT" allowedValues: N/A allowedValues	iMSI	23.008 clause 2.1.1.1	
allowedValues: N/A defaultValue: N/A defaultValue: None isNullable: False byte: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: N/A defaul			
allowedValues: N/A basicMSISDNIndicator which can be one of two choices: a) "BASIC" b) "ALERT" allowedValues: N/A allowedVa			
isNullable: False ype: String multiplicity: 1 isOrdered: N/A islunique: N/A allowedValues: N/A beasioMSISDNIndicator which can be one of two roloces: a) "BASIC" b) "ALERT" allowedValues: N/A			
networkAccessMode 23.008 clause 2.1.1.2 vpe: String multiplicity: 1 isOrdered: NA isUnique: NA defaultValue: None isNullable: False lype: String multiplicity: 1 isOrdered: NA isUnique: NA defaultValue: None isNullable: False lype: String multiplicity: 1 isOrdered: NA isUnique: NA defaultValue: None isNullable: False lype: String multiplicity: 1 isOrdered: NA isUnique: NA defaultValue: None isNullable: False lype: A multiplicity: 1 isOrdered: NA isUnique: NA defaultValue: None isNullable: False lype: A multiplicity: 1 isOrdered: NA isUnique: NA defaultValue: None isNullable: False lype: String multiplicity: 1 isOrdered: NA isUnique: NA defaultValue: None isNullable: False lype: String multiplicity: 1 isOrdered: NA isUnique: NA defaultValue: None isNullable: False lype: String multiplicity: 1 isOrdered: NA isUnique: NA defaultValue: None isNullable: False lype: String multiplicity: 1 isOrdered: NA isUnique: NA defaultValue: None isNullable: False lype: String multiplicity: 1 isOrdered: NA isUnique: NA defaultValue: None isNullable: False lype: String multiplicity: 1 isOrdered: NA isUnique: NA defaultValue: None isNullable: False lype: String multiplicity: 1 isOrdered: NA isUnique: NA defaultValue: None isNullable: False lype: String multiplicity: 1 isOrdered: NA isUnique: NA defaultValue: None isNullable: False lype: String multiplicity: 1 isOrdered: NA isUnique: NA defaultValue: None isNullable: False lype: String multiplicity: 1 isOrdered: NA isUnique: NA defaultValue: None isNullable: False lype: String multiplicity: 1 isOrdered: NA isUnique: NA defaultValue: None isNullable: Na isOrdere		allowedValues: N/A	
allowedValues: N/A basicMSISDNIndicator which can be one of two choices: a) "BASIC" b) "ALERT" allowedValues: N/A allowedValues			
allowedValues: N/A basicMSISDNIndicator 23.008 clause 2.1.3 It is a sequence of two items: 1) An MSISDN number (string) 2) A multinumberingMSISDNIndicator which can be one of two choices: a) "BASIC" b) "ALERT" allowedValues: N/A allowedVal	networkAccessMode	23.008 clause 2.1.1.2	
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1MUIdentifier 23.008 clause 2.2.2 type: String multiplicity: 1 isOrdered: N/A isUnique: N/A allowedValues: N/A defaultValue: None		allowedValues: N/A	
multiplicity: 1 isOrdered: N/A isUnique: N/A allowedValues: N/A defaultValue: None			
isOrdered: N/A isUnique: N/A allowedValues: N/A defaultValue: None	lMUIdentifier	23.008 clause 2.2.2	
isUnique: N/A allowedValues: N/A defaultValue: None			
allowedValues: N/A defaultValue: None			
		allowedValues: N/A	
jisNullable: False			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
<u> </u>	20.000 0.0000 2	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
rSZIlists	23.008 clause 2.4.11.1	type: String
	25.000 014450 2.4.11.1	
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
mSCAreaRestrictedFlag	23.008 clause 2.4.12	type: String
mscareakestricteuriag	23.006 Clause 2.4.12	
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	3	isNullable: False
- CONT 1 1 1 2 2 2 2	00 000 -1 0 4 4 4	10110101010101010
sGSNarearestrictedflag	23.008 clause 2.4.14	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. IV/A	
		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
		isNullable: False
roamingRestrictionDueToU	23.008 clause 2.4.15.2	type: String
nsupportedFeature		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	II D./ I AI/A	
	allowedValues: N/A	defaultValue: None
		isNullable: False
roamingRestrictedintheSG	23.008 clause 2.4.15.3	type: String
SNduetounsupportedfeatur		multiplicity: 1
e		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
lSAIdentity	23.008 clause 2.4.17.1	type: String
<u>*</u>		multiplicity: 1
		lisOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
lSAPriority	23.008 clause 2.4.17.2	type: String
<u> </u>		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
lSAPreferentialAccessInd	23 008 clause 2 4 17 24	type: String
icator	20.000 010000 2.7.17.2/	
ICALOI		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
·	1	וטו זעוועטוט. ו עוטט

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lSAActiveModeSupportIndi	23.008 clause 2.4.17.2B	type: String
cator		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
lSAOnlyAccessIndicator	23.008 clause 2.4.17.3	type: String
i bhoiri yheeebbiinareaeor	25.000 Glause 2.4.17.5	multiplicity: 1
		isOrdered: N/A
	II N/ I NI/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
	20.000 0.000 2	multiplicity: 1
		isOrdered: N/A
	allowedValues: N/A	isUnique: N/A defaultValue: None
	allowed values: N/A	
		isNullable: False
accessRestrictionData	23.008 clause 2.4.18	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
vLRNumber	23.008 clause 2.4.5	type: String
VIIIVallibei	25.000 Glause 2.4.5	multiplicity: 1
		isOrdered: N/A
	II N/ I NI/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
BOSINIANDEL	20.000 014430 2.4.0.1	multiplicity: 1
		isOrdered: N/A
	II DV I NIVA	isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
gGSNNumber	23.008 clause 2.4.8.2	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
provisionOfBearerService	23 008 clause 2.5.1	type: String
brovisionorpearerservice	20.000 Gause 2.0.1	
		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
	allowed values. IV/A	
		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
transferofSMoption	23.008 clause 2.5.4	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. N/A	isNullable: False
		TOTAL
mNRG	23.008 clause 2.7.2	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	anowa valaco. 14/7	isNullable: False
1 1 2 2 2 1 1	00.000 1 0.7.4.4	
checkSSIndicator	23.008 clause 2.7.4.4	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. 14/7	isNullable: False
	00 000 -1 0 7 5	
mSPurgedForNonGPRSFlag	23.008 clause 2.7.5	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. N/A	
		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. IV/A	
		isNullable: False
mNRRMSC	23.008 clause 2.7.7	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. N/A	isNullable: False
subscriberStatus	23.008 clause 2.8.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	anowed values. IVA	
1 1 252 1 2 2 2	00.000 1 0.5.5	isNullable: False
barringOfOutgoingCalls	23.008 clause 2.8.2.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	anowed values. IN/A	
		isNullable: False
barringOfIncomingCalls	23.008 clause 2.8.2.2	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. IN/A	
		isNullable: False
barringOfRoaming	23.008 clause 2.8.2.3	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allawa d\/alwaa N/A	
	allowedValues: N/A	defaultValue: None
<u> </u>		isNullable: 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
	allowed values. N/A	
		isNullable: False
barringOfSupplementarySe	23.008 clause 2.8.2.5	type: String
rviceManagement		multiplicity: 1
_		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. IV/A	
		isNullable: False
barringOfRegistrationOfC	23.008 clause 2.8.2.6	type: String
allForwarding		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. IV/A	
		isNullable: False
barringOfInvocationOfCal	23.008 clause 2.8.2.7	type: String
lTransfer		multiplicity: 1
		isOrdered: N/A
	- II N / - I N I / A	isUnique: N/A
	allowedValues: N/A	defaultValue: None
		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
912.1.0601110200		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
notificationToCSEFlagFor	23.008 clause 2.8.4	type: String
ODB		multiplicity: 1
022		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
gsmSCFaddresslistForODB	23.008 clause 2.8.5	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
messagesWaitingData	23.008 clause 2.10.1	type: String
	20.000 010000 2.10.1	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
mobileStationNotReachabl	23 008 clause 2 10 2	type: String
	20.000 diau36 2.10.2	
eFlag		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
mamama@am = = = = = = = = = = = = = = = = = = =	02.000 doug 0.40.0	
memoryCapacityExceededFl	23.008 clause 2.10.3	type: String
ag		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. IVA	isNullable: False
1		

<u></u> .		
traceReference	23.008 clause 2.11.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
traceType	23.008 clause 2.11.2	type: String
eracerype	20.000 014430 2.11.2	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. N/A	isNullable: False
	00 000 -1 0 44 0	
operationsSystemsIdentit	23.008 clause 2.11.3	type: String
У		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
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
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
traceActivatedInVLR	23.008 clause 2.11.6	type: String
CIACEACCIVACECIIIVIIN	23.000 Clause 2.11.0	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
1' 0007	00 000 1 0 11 7	isNullable: False
traceActivatedinSGSN	23.008 clause 2.11.7	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
vGCSGroupMembershipList	23.008 clause 2.12.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
vBSGroupMembershipList	23.008 clause 2.12.2	type: String
	_	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	3	isNullable: False
broadcastCallInitiationA	23 008 clause 2 12 2 1	type: String
llowedList	20.000 014406 2.12.2.1	multiplicity: 1
TIOWEGITSU		isOrdered: N/A
	allowed\/alues: N/A	isUnique: N/A
	allowedValues: N/A	defaultValue: None
DD#	00.000 1 0.40 4	isNullable: False
pDPType	23.008 clause 2.13.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False

gGSNlist	23.008 clause 2.13.11	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	
	allowed values. IN/A	defaultValue: None
		isNullable: False
qualityofServiceSubscrib	23.008 clause 2.13.12	type: String
ed		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	anowed values. 14/71	isNullable: False
DD111	20.000 1 0.40.0	
pDPAddress	23.008 clause 2.13.2	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
pDPContextIdentifier	23.008 clause 2.13.24	type: String
purcontextidentiller	23.006 clause 2.13.24	
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
pDPContextChargingCharac	23 008 clause 2 13 25	type: String
teristics	23.006 Clause 2.13.25	
teristics		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
accessPointName	23.008 clause 2.13.6	type: String
accessformename	23.000 clause 2.13.0	
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
vPLMNAddressAllowed	23.008 clause 2.13.8	type: String
VI Linividal ebbililowed	25.000 clause 2.15.0	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
	20.000 0.0000 2.10.10	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
originatingCAMELSubscrip	23.008 clause 2.14.1.1/3.1	type: String
tionInformationOCSI	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	multiplicity: 1
		isOrdered: N/A
	- H	isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
gPRSCAMELSubscriptionInf	23.008 clause 2.14.1.10/2.14.4.4	type: String
ormationGPRSCSI		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allance dV/alora = : N1/A	
	allowedValues: N/A	defaultValue: None
		isNullable: False
dialledServiceCAMELSubsc	23.008 clause 2.14.1.11/3.7	type: String
riptionInformationDCSI		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False

mobilityManagementforGPR	23.008 clause 2.14.1.12/2.14.4.4	type: String
SeventnotificationMGCSI		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		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
or ip or our into i ma or our rose		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
locationInformationSubsc	23.008 clause 2.14.1.3	type: String
riberStateInformation	201000 010000 211 11110	multiplicity: 1
1 Delbeaceilloi macion		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
uSSDCAMELSubscriptionInf	23 008 clause 2 14 1 4	type: String
ormationUCSI	25.000 Glause 2.14.1.4	multiplicity: 1
OT MACTOMOCST		
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
sSInvocationNotification	22 009 days 2 14 1 5/2 2	type: String
	23.000 Gause 2.14.1.5/3.2	
SSCSI		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
translationInformationFl	22 009 days 2 14 1 6/2 6	type: String
	23.006 Gause 2.14.1.0/3.0	
agTIFCSI		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
shortMessageServiceCAMEL	22 009 days 2 14 1 9/2 14 2 5	
)	23.000 Clause 2.14.1.0/2.14.3.5	type: String
${\tt SubscriptionInformationM}$		multiplicity: 1
OSMSCSI		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
mOShortMessageServiceCAM	22 000 days 2 14 1 9/2 14 4 1	
	23.006 Clause 2.14.1.6/2.14.4.1	type: String
ELSubscriptionInformatio		multiplicity: 1
nMOSMSCSI		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
abant Magaza Carri Carri	22 000 days 2 44 4 0/2 44 2 C	
shortMessageServiceCAMEL	23.008 clause 2.14.1.9/2.14.3.6	type: String
${\tt SubscriptionInformationM}$		multiplicity: 1
TSMSCSI		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	anomod valuot. 14/1	isNullable: False
mal	00 000 1 0 444 0/0 444 0	
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
	allowed values. I w/A	
		isNullable: False

gPRSCSINegotiatedCAMELCa	23.008 clause 2.14.2.1	type: String
pabilityHandling		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	anowa valuos. 14/7 (isNullable: False
mCSINegotiatedCAMELCapab	22 009 days 2 14 2 1	
ilityHandling	23.006 Clause 2.14.2.1	type: String
TITCYHANGIING		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
mGCSINegotiatedCAMELCapa	23.008 clause 2.14.2.1	type: String
bilityHandling		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
mOSMSCSISGSNNegotiatedCA	23 008 dauge 2 14 2 1	type: String
MELCapabilityHandling	25.000 Gause 2.14.2.1	multiplicity: 1
MELCapability Handling		
		isOrdered: N/A
	H	isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
mOSMSCSIVLRNegotiatedCAM	23.008 clause 2.14.2.1	type: String
ELCapabilityHandling		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
mTSMSCSISGSNNegotiatedCA	23 008 dayse 2 14 2 1	type: String
MELCapabilityHandling	25.000 Gause 2.14.2.1	multiplicity: 1
MEDCapability Handling		
		isOrdered: N/A
	H	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
	a	isNullable: False
oCSINegotiatedCAMELCapab	22 009 days 2 14 2 1	type: String
ilityHandling	25.000 Gause 2.14.2.1	
TITCYHAHUIIH		multiplicity: 1
		isOrdered: N/A
	H 157 1 117A	isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
sSCSINegotiatedCAMELCapa	23.008 clause 2.14.2.1	type: String
bilityHandling		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	anoviou v alaco. Tw/T	isNullable: False
vTCSINegotiatedCAMELCapa	22 000 days 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
SGSNOfferedCAMEL4CSIs	23.008 clause 2.14.2.2A	type: String
	· · · · · · · · · · · · · · · · · · ·	multiplicity: 1
		isOrdered: N/A
	allowed / aluga: N/A	isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False

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
		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
		isNullable: False
qsmSCFaddressforCSI	23.008 clause 2.14.2.4	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	anowa valuos. 14/7	isNullable: False
uSSDGeneralCAMELServiceI	23 008 clause 2 14 2 3	type: String
nformationUGCSI	20.000 014400 2.1 1.2.0	multiplicity: 1
11101		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. N/A	isNullable: False
iSTAlertTimer	23.008 clause 2.15.1	
ISTATETCITMET	23.006 Clause 2.15.1	type: String multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. N/A	
privacyExceptionList	23.008 clause 2.16.1.1	isNullable: False
privacyExceptionList	23.006 clause 2.16.1.1	type: String multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. N/A	isNullable: False
amt anumbone	22.000 days 2.16.1.2	
gMLCNumbers	23.008 clause 2.16.1.2	type: String multiplicity: 1
		isOrdered: N/A
	allowed Values AI/A	isUnique: N/A
	allowedValues: N/A	defaultValue: None
	00 000 days 0 40 4 0	isNullable: False
mOLRList	23.008 clause 2.16.1.3	type: String
		multiplicity: 1
		isOrdered: N/A
	allanca dV falsa - Al / A	isUnique: N/A
	allowedValues: N/A	defaultValue: None
and a second of the second of	22.000 aloves 2.40.4.4	isNullable: False
serviceTypes	23.008 clause 2.16.1.4	type: String
		multiplicity: 1
		isOrdered: N/A
	- H N / A	isUnique: N/A
	allowedValues: N/A	defaultValue: None
- 1' ·	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

cSAllocationRetentionpri	23.008 clause 2.18.1	type: String
ority		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
subscribedChargingCharac	23.008 clause 2.19.1	type: String
teristics		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	anowod valdoo. 14/7 (isNullable: False
iMSPrivateUserIdentity	23.008 clause 3.1.1	type: String
Inditivaceober facility	25.000 clause 5.1.1	multiplicity: 1
		isOrdered: N/A
	- H	isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
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	
barringindication	23.006 clause 3.1.3	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
listofauthorizedvisitedn	23.008 clause 3.1.4	type: String
etworkidentifiers	23.008 clause 3B.1.4	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
		defaultValue: None
	allowedValues: N/A	isNullable: False
	anowa valuos. 14/1	lortanasio. Laios
registrationStatus	23.008 clause 3.2.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	IdefaultValue: None
	allowed values. IV/A	
CCCENOMO	22 000 days 2 2 2	isNullable: False
sCSCFName	23.008 clause 3.2.2	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
diameterClientAddressofS	23.008 clause 3.2.3	type: String
CSCF		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	IdefaultValue: None
	allowed values. IV/A	isNullable: False
gowrowGowahiliti	22 000 days 2 4 4	
serverCapabilities	23.008 clause 3.4.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
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
		iociacioa, i aist
	It is a got of imit in 1841 to account to the factor of	isl Inique: True
	It is a set of initialFilterCriteria (string)	isUnique: True
		defaultValue: None
	It is a set of initialFilterCriteria (string) allowedValues: N/A	

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>
Ber viceinareaeroners	serviceIndication (Ref. 23.008 clause 3.5.4)	multiplicity: 1*
	Service indication (Net. 23.000 clause 3.3.4)	isOrdered: N/A
	It is a cost of	isUnique: N/A
	It is a set of serviceIndication (string)	defaultValue: None
		isNullable: True
	allowedValues: N/A	
1 '1 14 1' 5 6' 1 7 1	00.000 0.04	
subscribedMediaProfileId	23.008 clause 3.6.1	type: String
entifier		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
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
secondaryEventChargingFu	23.008 clause 3.7.2	type: String
nctionName	23.008 clause 3B.7.5	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
		defaultValue: None
	allowedValues: N/A	isNullable: False
	anowed values. 14/7	isivaliable. I alse
primaryChargingCollectio	23.008 clause 3.7.3	type: String
nFunctionName		multiplicity: 1
111 u110010111.u		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. N/A	isNullable: False
	22.000 alouge 2.7.4	
secondaryChargingCollect	23.008 clause 3.7.4	type: String
ionFunctionName		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
222 11 2		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
		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	
		isNullable: False

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VTIMCSI	23.008 clause 3.8.2	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
dIMCS	23.008 clause 3.8.3	type: String
	201000 0.0000 0.010	multiplicity: 1
		isOrdered: N/A
	II D./ I NI/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
	anomod valdos. 14/7 t	isNullable: False
gAAServiceIdentifier	23.008 clause 3A.2	type: String
gaaservicerdencifier	23.006 dause 3A.2	
		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	
	allowed values. IN/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
	20.000 014400 07 110	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	- II	
	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
	allowed Value of NI/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
nAECroupIdon+;+	22 009 days 24 44	
nAFGroupIdentity	23.008 clause 3A.11	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
<u> </u>	•	

23.008 clause 3B.1.3 allowedValues: N/A 23.008 clause 3B.1.6 allowedValues: N/A	type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False type: String multiplicity: 1 isOrdered: N/A isUnique: N/A
23.008 clause 3B.1.6 allowedValues: N/A	isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False type: String multiplicity: 1 isOrdered: N/A
23.008 clause 3B.1.6 allowedValues: N/A	isUnique: N/A defaultValue: None isNullable: False type: String multiplicity: 1 isOrdered: N/A
23.008 clause 3B.1.6 allowedValues: N/A	defaultValue: None isNullable: False type: String multiplicity: 1 isOrdered: N/A
23.008 clause 3B.1.6 allowedValues: N/A	isNullable: False type: String multiplicity: 1 isOrdered: N/A
allowedValues: N/A	type: String multiplicity: 1 isOrdered: N/A
allowedValues: N/A	multiplicity: 1 isOrdered: N/A
	isOrdered: N/A
	ic Inique: N/A
	JISUHIYUE. IN/A
00.000 days 00.440	defaultValue: None
00.000 -1 00.4.40	isNullable: False
23.008 clause 3B.1.10	type: String
	multiplicity: 1
	isOrdered: N/A
	isUnique: N/A
allowedValues: N/A	defaultValue: None
	isNullable: False
23 008 clause 3B 5 1 /	type: String
20.000 diadac ob.o.1.4	multiplicity: 1
	isOrdered: N/A
	isUnique: N/A
allowed\/alues: N/A	defaultValue: None
alloweuvalues. IV/A	isNullable: False
22 009 days 2D 5 4 2	
23.008 clause 3B.5.1.2	type: String
	multiplicity: 1
	isOrdered: N/A
	isUnique: N/A
allowedValues: N/A	defaultValue: None
	isNullable: False
23.008 clause 3B.5.1.3	type: String
	multiplicity: 1
	isOrdered: N/A
	isUnique: N/A
allowedValues: N/A	defaultValue: None
	isNullable: False
23.008 clause 3B.5.2	type: String
	multiplicity: 1
	isOrdered: N/A
	isUnique: N/A
allowedValues: N/A	defaultValue: None
	isNullable: False
23.008 clause 3B.5.3	type: String
	multiplicity: 1
	isOrdered: N/A
	isUnique: N/A
allowedValues: N/A	defaultValue: None
	isNullable: False
23 008 dayse 3B 7 1 1	
23.008 clause 3B.7.1.1	type: String
23.008 clause 3B.7.1.1	type: String multiplicity: 1
23.008 clause 3B.7.1.1	type: String multiplicity: 1 isOrdered: N/A
	type: String multiplicity: 1 isOrdered: N/A isUnique: N/A
23.008 clause 3B.7.1.1 allowedValues: N/A	type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None
allowedValues: N/A	type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False
	type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False type: String
allowedValues: N/A	type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False type: String multiplicity: 1
allowedValues: N/A	type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False type: String multiplicity: 1 isOrdered: N/A
allowedValues: N/A 23.008 clause 3B.7.2	type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False type: String multiplicity: 1 isOrdered: N/A isUnique: N/A
allowedValues: N/A	type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None
allowedValues: N/A 23.008 clause 3B.7.2 allowedValues: N/A	type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False
allowedValues: N/A 23.008 clause 3B.7.2	type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False type: String
allowedValues: N/A 23.008 clause 3B.7.2 allowedValues: N/A	type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False type: String
allowedValues: N/A 23.008 clause 3B.7.2 allowedValues: N/A	type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False type: String multiplicity: 1 isOrdered: N/A
allowedValues: N/A 23.008 clause 3B.7.2 allowedValues: N/A	type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False type: String
allowedValues: N/A 23.008 clause 3B.7.2 allowedValues: N/A	type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False type: String multiplicity: 1 isOrdered: N/A
	23.008 clause 3B.5.2

sS-Code	23.008 clause 2.6	type: String
	29.002 clause 7.6.4.1	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
		defaultValue: None
	allowedValues: N/A	isNullable: False
provisioningState	23.008 clause 2.6	type: String
	29.002 clause 7.6.4.2	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
		defaultValue: None
	allowedValues: N/A	isNullable: False
activationState	23.008 clause 2.6	type: String
	29.002 clause 7.6.4.2	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
		defaultValue: None
	allowedValues: N/A	isNullable: False
registrationState	23.008 clause 2.6	type: String
	29.002 clause 7.6.4.2	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
		defaultValue: None
	allowedValues: N/A	isNullable: False
overrideCategory	23.008 clause 2.6	type: String
	29.002 clause 7.6.4.4	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
		defaultValue: None
	allowedValues: N/A	isNullable: False
cLIRestrictionOption	23.008 clause 2.6	type: String
	29.002 clause 7.6.4.5	multiplicity: 1
	20.002 0.0000 1.01.110	isOrdered: N/A
		isUnique: N/A
		defaultValue: None
	allowedValues: N/A	isNullable: False
forwarded-toNumber	23.008 clause 2.6	type: String
	29.002 clause 7.6.2.22	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
		defaultValue: None
	allowedValues: N/A	isNullable: False
forwarded-toSubaddress	23.008 clause 2.6	type: String
	29.002 clause 7.6.2.23	multiplicity: 1
	25.502 514455 7.5.2.25	isOrdered: N/A
		isUnique: N/A
		defaultValue: None
	allowedValues: N/A	isNullable: False
noReplyConditionTimer	23.008 clause 2.6	type: String
	29.002 clause 7.6.4.7	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
		defaultValue: None
	allowedValues: N/A	isNullable: False

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
	29.002 clause 7.0.4.47	isOrdered: N/A
		isUnique: N/A
		defaultValue: None
	allowedValues: N/A	isNullable: False
	allowed values. N/A	isinullable. 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
I		isOrdered: N/A
	allowed\/al NI/A	isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False

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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
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
3GPPAAAProxyName	23.008 Clause 3B.1.5	type: String
Joi 17 Mil I Oxylvanie	25.000 Gladse 5B.1.5	multiplicity: 1
		isOrdered: N/A
	allowedValues: N/A	isUnique: N/A defaultValue: None
	allowed values. N/A	
		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	23.008 Clause 3B.5.1.5	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. 14/70	isNullable: False
maxSubscribedBandwidth	23.008 Clause 3B.6.1	
	23.006 Clause 3B.6.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
subscribed3GPPWLANQoSPro	23.008 Clause 3B.6.4	type: String
file		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
userStatus	23.008 Clause 3B.2.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	anomod valuoo. 14/7 (isNullable: False
rATType	23.008 Clause 2.13.75	type: String
TITTYPC	20.000 Olause 2.10.10	multiplicity: 1
		isOrdered: N/A
	allawad Valuasi N/A	isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
iPAddressOfTraceCollecti	23.008 Clause 2.11.14	type: String
onEntity		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
aPNConfigurationProfile	23.008 Clause 2.13.31	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. IV/A	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
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	00.000.01	isNullable: False
visitedNetworkIdentifier	23.008 Clause 2.13.82	type: String
		multiplicity: 1
		isOrdered: N/A
	- H N / - I N I / A	isUnique: N/A
	allowedValues: N/A	defaultValue: None
TDG 1 '1 D C'1	00.000.01	isNullable: False
mIPSubscriberProfile	23.008 Clause 2.13.86	type: String
		multiplicity: 1
		isOrdered: N/A
	allowed \/alwaa, N/A	isUnique: N/A
	allowedValues: N/A	defaultValue: None
- DNAMDD	00 000 Clave - 0 40 00	isNullable: False
aPNAMBR	23.008 Clause 2.13.32	type: String
		multiplicity: 1
		isOrdered: N/A
	allowedValues: N/A	isUnique: N/A
	allowed values: N/A	defaultValue: None
	00 000 01 0 40 00	isNullable: False
contextIdentifier	23.008 Clause 2.13.38	type: String
		multiplicity: 1
		isOrdered: N/A
	- H N / - I N I / A	isUnique: N/A
	allowedValues: N/A	defaultValue: None
- DNOTB 1	00 000 01	isNullable: False
aPNOIReplacement	23.008 Clause 2.13.29	type: String
		multiplicity: 1 isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. N/A	
subscribedUEAMBR	22 000 Claves 2 42 20	isNullable: False
SUBSCRIBEGUEAMBR	23.008 Clause 2.13.30	type: String
		multiplicity: 1 isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	anowed values. IV/A	isNullable: False
rFSP	23.008 Clause 2.13.33	
TLOE	23.000 Clause 2.13.33	type: String multiplicity: 1
		isOrdered: N/A
	allowedValues: N/A	isUnique: N/A defaultValue: None
	allowed values. IN/A	isNullable: False
pDNGWIdentity	23.008 Clause 2.13.41	
Pringminerinitich	20.000 Clause 2.13.41	type: String
		multiplicity: 1 isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	
	allowed values. IN/A	defaultValue: None isNullable: False
opennycom a zbi oz ch zwy	22 009 Clause 2 42 74	
ePSPDNConnectionCharging Characteristics	23.008 Clause 2.13./1	type: String
CHaracteristics		multiplicity: 1
		isOrdered: N/A
	allowed\/aluca: N/A	isUnique: N/A
	allowedValues: N/A	defaultValue: None
1		isNullable: False

pDNGWAllocationType	23.008 Clause 2.13.105	type: String multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. IVA	isNullable: False
- DNI 7 DNO TD	00.000.01	
aPNLevelAPNOIReplacement	23.008 Clause 2.13.109	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
closedSubscriberGroupInf	23 008 Clause 2 4 22	type: String
ormation	25.000 Gladge 2.4.22	multiplicity: 1
OTHIACTOR		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
roamingRestrictionDueToU	23.008 Clause 2.4.15.3a	type: String
nsupportedFeatureMME		multiplicity: 1
		isOrdered: N/A
	II N/ I 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
	- Harris all / a live and NI/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
	allowed values. IV/A	
		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	
DUDINIA	23.000 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
	20.000 010000 2.7.0.0	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
	allowedValues: N/A	
	allowed values. IV/A	

	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
	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).	type: DN multiplicity: 1* isOrdered: False isUnique: True defaultValue: None isNullable: True
	allowedValues: N/A	
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.	type: DN multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False
	allowedValues: N/A	
	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).	type: DN multiplicity: 1* isOrdered: False isUnique: True defaultValue: None
	allowedValues: N/A	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
	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
	allowed values: N/A	
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).	multiplicity: 1* isOrdered: False isUnique: True
	allowedValues: N/A	defaultValue: None isNullable: True
	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
	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).	isNullable: True type: DN multiplicity: 1* isOrdered: False isUnique: True
	allowedValues: N/A	defaultValue: None isNullable: True

theGPRSSupplServiceForGP RS		type: DN multiplicity: 1* isOrdered: False isUnique: True defaultValue: None isNullable: True
theCSSupplServiceForCSSS	Models the relationship from a CS subscribed service to a CS supplement service. This attribute contains a list of the DN(s) of the aggregated SuMCSSupplService instance(s). allowedValues: N/A	type: DN multiplicity: 1* isOrdered: False isUnique: True defaultValue: None isNullable: True
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
theCSSupplServiceForCSSP	Models the relationship from a CS service profile to a CS supplement service. This attribute contains a list of the DN(s) of the aggregated SuMCSSupplService instance(s). allowedValues: N/A	type: DN multiplicity: 1* isOrdered: False isUnique: True defaultValue: None isNullable: True
theGPRSSupplServiceForGP RSSP	Models the relationship from a GPRS service profile to a GPRS supplement service. This attribute contains a list of the DN(s) of the aggregated SuMGPRSSupplService instance(s). allowedValues: N/A	multiplicity: 1*
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	multiplicity: 1* isOrdered: False isUnique: True defaultValue: None
theServiceProfile	Models the relationship from a user to a service profile. This attribute contains a list of the DN(s) of the aggregated SuMServiceProfile instance(s).	isNullable: True type: DN multiplicity: 1* isOrdered: False isUnique: True
	allowedValues: N/A	defaultValue: None isNullable: True

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

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		Old	New	
		Doc.							
2013-06					Editorial changes (MCC): removal of blank page on page 2		11.0.0	11.0.1	
2014-06	SA#64	SP-					11.0.1	11.1.0	
		140359	001	-	remove the feature support statements	F			
2014-10	-	-	-	-	Update to Rel-12 version (MCC)		11.1.0	12.0.0	
2016-01	-	-	-	-	Update to Rel-13 version (MCC)		12.0.0	13.0.0	
2017-03	SA#75	-	-	-	Promotion to Release 14 without technical change		13.0.0	14.0.0	

	Change history						
Date	Meeting	TDoc	CR	Rev	Cat	Subject/Comment	New
							version
2018-06						Update to Rel-15 version (MCC)	15.0.0
2020-07	-	-	-	-	-	Update to Rel-16 version (MCC)	16.0.0

History

	Document history					
V16.0.0	August 2020 Publication					