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Foreword

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

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Introduction

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

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

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

1 Scope

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

2 References

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

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

3 Definitions and abbreviations

3.1 Definitions

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

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

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

Subscription Profile Component Definition: specifies a Subscription Profile Component.

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

User: see 3GPP TS 32.140 [3].

3.2 Abbreviations

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

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

SuM Subscription Management

4 Model

4.1 Imported information entities and local labels

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

4.2 Class diagram

4.2.1 Relationships

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

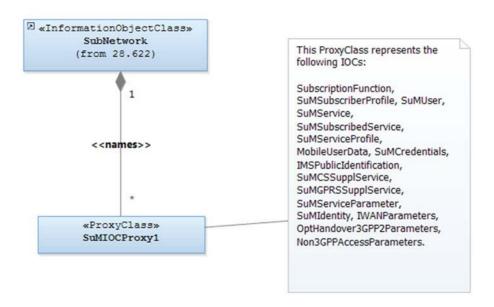


Figure 1a: SuM NRM naming diagram 1

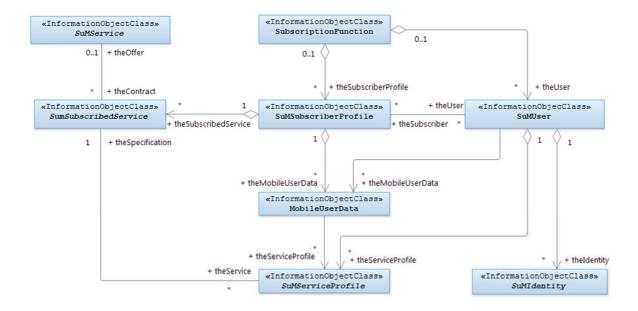


Figure 1b: SuM NRM Containment and Association diagram 1

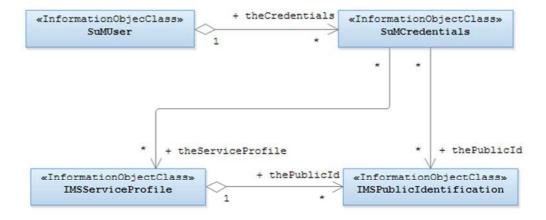


Figure 1c: SuM NRM Containment and Association diagram 2



Figure 1d: SuM Supplementary Service NRM Aggregation diagram 1

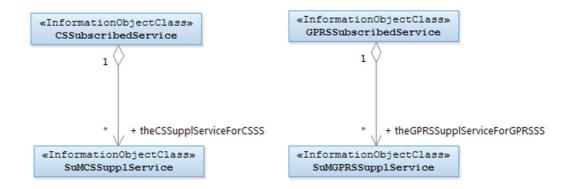


Figure 1e: SuM Supplementary Service NRM Aggregation diagram 2

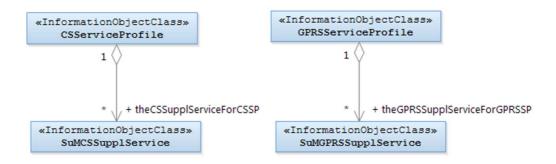


Figure 1f: SuM Supplementary Service NRM Aggregation diagram 3

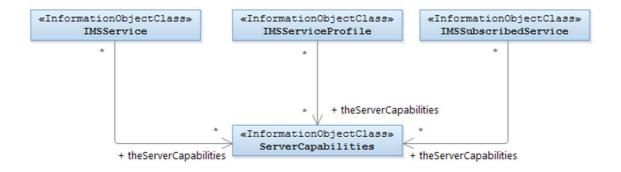


Figure 1g: SuM IMS Service Containment and Association diagram 1

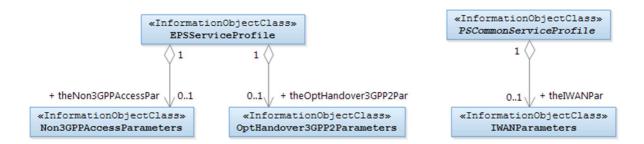


Figure 1h: Service Profile NRM Association diagram

4.2.2 Inheritance

This subclause depicts the inheritance relationships.

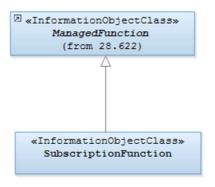


Figure 2a: SuM NRM Inheritance Hierarchy 1

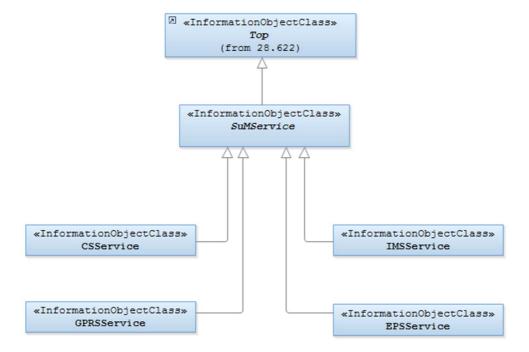


Figure 2b: SuM NRM Inheritance Hierarchy 2

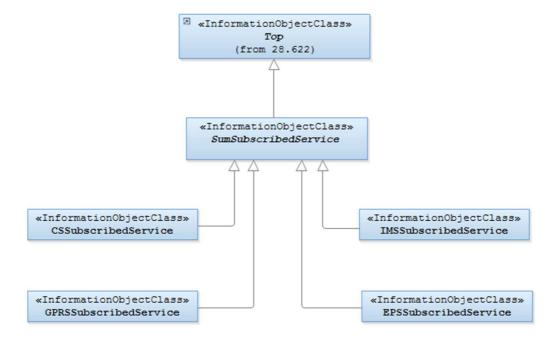


Figure 2c: SuM NRM Inheritance Hierarchy 3

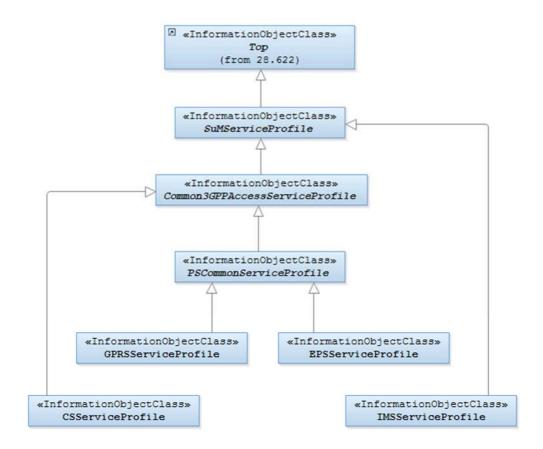


Figure 2d: SuM NRM Inheritance Hierarchy 4

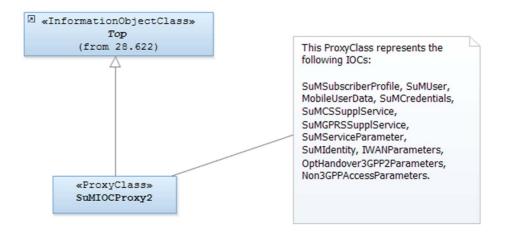


Figure 2e: SuM NRM Inheritance Hierarchy 5

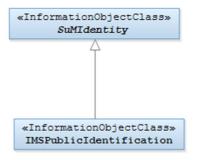


Figure 2f: SuM NRM Inheritance Hierarchy 8

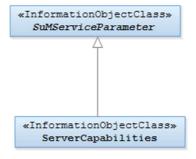


Figure 2g: SuM NRM Inheritance Hierarchy 9

4.3 Class definitions

4.3.1 SuMService

4.3.1.1 Definition

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

4.3.1.2 Attributes

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

4.3.1.3 Attribute constraints

None.

4.3.1.4 Notifications

None.

4.3.2 CSService

4.3.2.1 Definition

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

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

4.3.2.2 Attributes

Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
networkAccessMode	M	M	М	-	-
basicMSISDNIndicator	0	М	М	-	-
mSISDNAlertIndicator	0	М	М	-	-
subscriptionRestriction	0	М	М	-	-
rSZIlists	0	М	М	-	-
lSAIdentity	0	М	М	-	-
lsAPriority	0	М	М	-	-
lSAPreferentialAccessIndicator	0	М	М	-	-
lSAActiveModeSupportIndicator	0	М	М	-	-
lSAOnlyAccessIndicator	0	М	М	-	-
lSAActiveModeIndicator	0	М	М	-	-
vPLMNIdentifier	0	М	М	-	-
accessRestrictionData	0	М	М	-	-
privacyExceptionList	0	М	М	-	-
gMLCNumbers	0	М	М	-	-
mOLRList	0	M	M	-	-
serviceTypes	0	М	М	-	-
mobileStationCategory	0	М	М	-	-
lMUIdentifier	0	М	М	-	-
subscriberStatus	0	M	M	-	-
gsmSCFaddresslistForODB	M	M	M	-	-
provisionOfBearerService	M	M	M	_	_
provisionOfTeleservice	M	M	M	_	_
bCAllocation	0	M	M	_	_
barringOfOutgoingCalls	0	M	M	_	_
barringOfIncomingCalls	0	M	M	_	_
barringOfRoaming	0	M	M	_	_
barringOfPremiumRateCalls	0	M	M	_	_
barringOfSupplementaryService	0	M	M	_	_
Management	O	171	101		
barringOfRegistrationOfCall	0	М	М	_	_
Forwarding	Ü	141			
barringOfInvocationOfCall	0	М	М	_	_
Transfer	•				
operatorDeterminedBarring	0	М	М	-	-
PLMNspecificData					
vGCSGroupMembershipList	0	М	М	-	-
vBSGroupMembershipList	0	М	М	-	-
broadcastCallInitiation	0	М	М	-	-
AllowedList					
originatingCAMELSubscription	0	М	М	-	-
InformationOCSI					
terminatingCAMELSubscription	0	M	М	-	-
InformationTCSI					
vMSCTerminatingCAMEL	0	М	М	-	-
SubscriptionInformationVTCSI					
locationInformation	0	M	M	-	-
SubscriberStateInformation					
uSSDCAMELSubscription	0	M	М	-	-
InformationUCSI					
sSInvocationNotificationSSCSI	0	M	M	-	-
translationInformation	0	M	М	-	-
FlagTIFCSI					
dialledServiceCAMEL	0	M	M	-	-
SubscriptionInformationDCSI					
uSSDGeneralCAMELService	0	M	M	-	-
InformationUGCSI					
shortMessageServiceCAMEL	0	M	M	-	-
SubscriptionInformationMOSMSCSI					
shortMessageServiceCAMEL	Ο	M	M	-	-
SubscriptionInformationMTSMSCSI					
mTSMSCSIVLRNegotiatedCAMEL	0	M	М	-	-
CapabilityHandling		1			
gsmSCFaddressforCSI	0	M	M	-	-
iSTAlertTimer	0	M	M	-	-

cSAllocationRetentionpriority	0	М	М	1	-
iCSIndicator	0	M	М	-	-
Attribute related to role					
theCSSupplServiceForCS	0	М	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	M	-	-
lSAActiveModeIndicator	0	М	М	-	-
vPLMNIdentifier	0	M	M	-	-
accessRestrictionData	0	M	M	-	-
privacyExceptionList	0	M	M	-	-
gMLCNumbers	0	M	M	-	-
mOLRList	0	M	M	-	-
serviceTypes	0	M	M	-	-
gGSNNumber	M	M	M	-	-
provisionofTeleservice	0	M	M	-	-
transferofSMoption	M	M	M	-	-
subscriberStatus	M	M	M	-	-
barringofPacketOrientedServices	0	M	M	-	-
pDPType	0	M	M	-	-
pDPAddress	0	M	M	-	-
accessPointName	0	M	M	-	-
vPLMNAddressAllowed	0	M	M	-	-
qualityofServiceSubscribed	0	M	M	-	-
pDPContextChargingCharacteristic s	0	M	M	-	-
gPRSCAMELSubscriptionInformation GPRSCSI	0	M	M	-	-
mOShortMessageServiceCAMELSubscr iptionInformationMOSMSCSI	0	M	М	-	-
mTShortMessageServiceCAMELSubscr	0	М	M	-	-
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	М	M	-	-
barringOfOutgoingCalls	0	М	М	-	-
barringOfRoaming	0	М	М	-	-
operatorDeterminedBarringPLMNspe cificData	0	M	M	-	-
sTNSR	0	М	М	-	-
iCSIndicator	0	M	M	-	-
listofauthorizedvisitednetworkid entifiers	0	M	M	-	-
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		-
becomman your charging runction name	U	I IVI	I IVI		

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

4.3.4.3 Attribute constraints

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

4.3.4.4 Notifications

None.

4.3.5 SuMSubscribedService

4.3.5.1 Definition

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

4.3.5.2 Attributes

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

4.3.5.3 Attribute constraints

None.

4.3.5.4 Notifications

None.

4.3.6 CSSubscribedService

4.3.6.1 Definition

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

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

4.3.6.2 Attributes

Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
networkAccessMode	M	М	М	-	-
basicMSISDNIndicator	0	M	M	-	-
mSISDNAlertIndicator	0	M	M	-	-
subscriptionRestriction	0	M	M	-	-
rSZIlists	0	M	M	-	-
lSAIdentity	0	М	M	-	-
lSAPriority	0	M	M	-	-
lSAPreferentialAccessIndicator	0	M	M	-	-
lsAActiveModeSupportIndicator	0	M	M	-	-
lSAOnlyAccessIndicator lSAActiveModeIndicator	0	M	M	-	-
	0	M	M	-	-
vPLMNIdentifier accessRestrictionData	0	M	M	-	-
	0	M	M	-	-
privacyExceptionList	0	M	M	-	-
gMLCNumbers mOLRList	0	M	M	-	-
	0	M	M	-	
serviceTypes mobileStationCategory	0	M M	M M	-	-
lMUIdentifier	<u> </u>	M	M	-	-
subscriberStatus	0	M	M	-	-
gsmSCFaddresslistForODB				-	-
provisionOfBearerService	***	M	M	-	-
provisionOfTeleservice	M	M	M	-	-
bCAllocation	<u>М</u> О	M M	M	-	-
barringOfOutgoingCalls	0	M	M M	-	-
barringOfUncomingCalls	0	M	M	-	-
barringOffRoaming	0	M	M	-	-
barringOfRoaming barringOfPremiumRateCalls	0	M	M	-	-
barringOffSupplementaryService	0	M	M	-	-
Management	O	IVI	IVI	-	-
barringOfRegistrationOfCall	0	М	М	_	_
Forwarding	G				
barringOfInvocationOfCall	0	М	М	-	-
Transfer					
operatorDeterminedBarring	0	М	М	-	-
PLMNspecificData					
vGCSGroupMembershipList	0	M	М	-	-
vBSGroupMembershipList	0	M	M	ı	-
broadcastCallInitiation	Ο	M	M	-	-
AllowedList					
originatingCAMELSubscription	0	M	M	-	-
InformationOCSI					
terminatingCAMELSubscription	0	M	M	-	-
InformationTCSI					
vMSCTerminatingCAMEL	0	M	M	-	-
Subscription InformationVTCSI					
locationInformation/	0	M	M	-	-
SubscriberStateInformation	O	IVI	IVI	-	-
uSSDCAMELSubscription	0	М	М	_	_
InformationUCSI	O	IVI	IVI	_	_
sSInvocationNotification	0	М	М	-	_
SSCSI	O				
translationInformationFlag	0	М	М	-	-
TIFCSI	C				
dialledServiceCAMEL	0	M	M	-	-
SubscriptionInformationDCSI					
uSSDGeneralCAMELService	0	M	M	-	-
InformationUGCSI					
shortMessageServiceCAMEL	0	M	M	-	-
SubscriptionInformationMOSMSCSI					
shortMessageServiceCAMEL	0	M	M	-	-
SubscriptionInformationMTSMSCSI					
mTSMSCSIVLRNegotiatedCAMEL	0	M	M	-	-
CapabilityHandling		1			

gsmSCFaddressforCSI	0	M	M	-	-
iSTAlertTimer	0	M	M	-	-
cSAllocationRetentionpriority	0	M	M	-	-
iCSIndicator	0	M	M	-	-
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	M	-	-
lSAActiveModeIndicator	0	M	M	-	-
vPLMNIdentifier	0	M	М	-	-
accessRestrictionData	0	M	М	-	-
privacyExceptionList	0	M	М	-	-
gMLCNumbers	0	M	М	-	-
mOLRList	0	M	М	-	-
serviceTypes	0	M	М	-	-
gGSNNumber	M	M	М	-	-
provisionofTeleservice	0	М	М	-	-
transferofSMoption	M	M	M	-	-
subscriberStatus	M	M	M	-	-
barringofPacketOrientedServices	0	M	M	-	-
pDPType	0	M	M	_	-
pDPAddress	0	M	M	_	_
accessPointName	0	M	M	_	_
vPLMNAddressAllowed	0	M	M	_	_
qualityofServiceSubscribed	0	M	M	_	-
pDPContextCharging	0	M	M	_	_
Characteristics	O	IVI	IVI	_	_
gPRSCAMELSubscription	0	М	М	_	_
InformationGPRSCSI	0	IVI	IVI	_	_
mOShortMessageService	0	М	М	_	_
CAMELSubscription	O	141			
InformationMOSMSCSI					
mTShortMessageService	0	М	М	-	-
CAMELSubscription					
InformationMTSMSCSI					
mOSMSCSISGSNNegotiated	0	М	М	-	-
CAMELCapabilityHandling	_				
mTSMSCSISGSNNegotiated	0	М	М	-	-
CAMELCapabilityHandling					
mobilityManagementforGPRSevent	0	M	М	-	-
notificationMGCSI					
mGCSINegotiatedCAMEL	0	М	М	-	-
CapabilityHandling					
gsmSCFaddressforCSI	0	М	М	-	-
subscribedCharging	0	М	М	-	-
Characteristics	_				
closedSubscriberGroup	0	М	М	-	-
Information					
gSMSCFaddresslistForODB	0	M	М	-	-
barringOfOutgoingCalls	0	М	М	-	-
barringOfRoaming	0	М	М	-	-
operatorDeterminedBarring	0	М	М	-	-
PLMNspecificData	-	1			
sTNSR	0	М	M	-	-
iCSIndicator	0	M	M	-	-
listofauthorizedvisitednetwork	0	M	M	-	-
identifiers	_]			
wLANUERemoteIPaddress	0	М	M	-	-
staticWLANUERemoteIP	0	M	M	_	-
AddressList		'''			
w-APNBarringTypeList	0	М	М	-	-
w-APNChargingDataList	0	M	M	-	-
accessDependenceFlag	0	M	M	-	-
	-	1	***	1	

chargingCharacteristics	0	M	M	-	-
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	М	-	-
maxSubscribedBandwidth	0	M	М	-	-
subscribed3GPPWLANQoSProfile	0	М	М	-	-
Attribute related to role					
theGPRSSupplServiceforGPRSSS	0	М	0	-	-

4.3.7.3 Attribute constraints

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

4.3.7.4 Notifications

None.

4.3.8 IMSSubscribedService

4.3.8.1 Definition

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

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

4.3.8.2 Attributes

Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
listofauthorizedvisitednetwo	M	M	M	-	-
rkidentifiers					
registrationStatus	M	M	M	-	-
sCSCFName	0	M	-	-	-
diameterClientAddressofSCSCF	0	M	-	-	-
subscribedMediaProfileIdenti	0	M	M	-	-
fier					
initialFilterCriteriaList	0	M	M	-	-
applicationServerInformation	0	M	М	-	-
serviceIndicationList	0	M	-	-	-
primaryEventChargingFunction	0	M	М	-	-
Name					
secondaryEventChargingFuncti	0	M	М	-	-
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	М	-	-
gAAServiceType	0	M	М	-	-
gAAServiceIdentifier	0	M	М	-	-
gBAUserSecuritySettings	0	M	М	-	-
userSecuritySetting	0	М	М	-	-
userPublicIdentity	0	M	M	-	-
gAAAuthorizationflag	0	M	M	-	-
keyLifetime	0	M	М	-	-
uICCSecurityType	0	M	М	-	-
nAFGroupIdentity	0	М	М	-	-
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	M	M	0	-	-

4.3.9.3 Attribute constraints

None.

4.3.9.4 Notifications

None.

4.3.10 SuMServiceProfile

4.3.10.1 Definition

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

4.3.10.2 Attributes

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

4.3.10.3 Attribute constraints

None.

4.3.10.4 Notifications

None.

4.3.11 CSServiceProfile

4.3.11.1 Definition

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

4.3.11.2 Attributes

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

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

4.3.11.3 Attribute constraints

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

4.3.11.4 Notifications

None.

4.3.12 GPRSSServiceProfile

4.3.12.1 Definition

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

4.3.12.2 Attributes

Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
basicMSISDNIndicator	0	М	М	-	-
mSISDNAlertIndicator	0	М	М	-	-
vLRNumber	M	М	-	-	-
lsAldentity	0	М	М	-	-
lsaPriority	0	М	М	-	-
lSAPreferentialAccessIndicator	0	М	М	-	-
lSAActiveModeSupportIndicator	0	М	М	-	-
1SAOnlyAccessIndicator	0	М	М	-	-
lSAActiveModeIndicator	0	М	М	-	-
vPLMNIdentifier	0	М	М	-	-
ageIndicator	0	М	-	-	-
sGSNNumber	M	М	-	-	-
gGSNNumber	M	М	М	-	-
mNRG	M	М	-	-	-
provisionofTeleservice	0	М	М	-	-
transferofSMoption	M	М	М	-	-
mSpurgedforGPRSflag	M	М	-	-	-
pDPType	0	М	М	-	-
pDPAddress	0	М	М	-	-
gGSNlist	M	М	-	-	-
qualityofServiceSubscribed	0	М	М	-	-
pDPContextIdentifier	0	М	-	-	-
pDPContextChargingCharacteristics	0	М	М	-	-
gPRSCAMELSubscriptionInformation GPRSCSI	0	M	M	-	-
mOShortMessageServiceCAMEL SubscriptionInformationMOSMSCSI	0	M	M	-	-
mTShortMessageServiceCAMEL	0	M	M	-	-
SubscriptionInformationMTSMSCSI mOSMSCSISGSNNegotiatedCAMEL	0	N 4	N 4		
CapabilityHandling	0	М	М	-	-
mTSMSCSISGSNNegotiatedCAMEL CapabilityHandling	0	M	M	-	-
mobilityManagementforGPRS eventnotificationMGCSI	0	M	M	-	-
mGCSINegotiatedCAMEL CapabilityHandling	0	M	М	-	-
gPRSCSINegotiatedCAMEL	0	M	-	-	-
CapabilityHandling		N 4			
sGSNSupportedCAMELPhases	0	M	-	-	-
sGSNOfferedCAMEL4CSIs	0	M	-	-	-
gsmSCFaddressforCSI	0	M	M	-	-
gSMSCFaddresslistForODB	0	M	M	-	-
iPSMGWNumber	0	M	-	-	-
mNRR-SGSN	0	M	-	-	-
notificationToCSEFlagForODB	0	M	-	-	-
Attribute related to role	-	N 4			
theGPRSSupplServiceForGPRSSP	0	M	0	-	-

4.3.12.3 Attribute constraints

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

4.3.12.4 Notifications

None.

4.3.13 IMSServiceProfile

4.3.13.1 Definition

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

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

4.3.13.2 Attributes

Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
listofauthorizedvisitednetwork	М	M	M	-	-
identifiers	•••				
registrationStatus	M	M	М	-	-
sCSCFName	0	M	-	-	-
diameterClientAddressofSCSCF	0	M	-	-	-
subscribedMediaProfileIdentifi	0	M	M	-	-
er					
initialFilterCriteriaList	0	M	M	-	-
applicationServerInformation	0	M	M	ı	-
serviceIndicationList	0	M	-	ı	-
primaryEventChargingFunctionNa	0	M	M	-	-
me					
secondaryEventChargingFunction	0	M	M	-	-
Name					
primaryChargingCollectionFunct	M	M	M	-	-
ionName					
secondaryChargingCollectionFun	0	M	M	-	-
ctionName					
gsmSCFaddressforIMCSI	0	M	M	-	-
iMSSFaddressforIMCSI	0	M	-	•	-
oIMCSI	0	M	M	-	-
VTIMCSI	0	M	M	-	-
dIMCS	0	M	M	-	-
gAAServiceType	0	M	M	-	-
gAAServiceIdentifier	0	M	M	-	-
gBAUserSecuritySettings	0	M	M	-	-
userSecuritySetting	0	M	M	-	-
userPublicIdentity	0	M	M	1	-
gAAAuthorizationflag	0	M	M	-	-
keyLifetime	0	M	M	•	-
uICCSecurityType	0	M	M	1	-
nAFGroupIdentity	0	M	M	•	-
thePublicId	M	М	0	-	-
Attribute related to role					
theServerCapabilities	0	M	-	1	-

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	M	-	-
activationState	M	M	M	-	-
registrationState	0	М	М	-	-
overrideCategory	0	М	М	-	-
cLIRestrictionOption	0	M	М	-	-
forwarded-toNumber	0	М	М	-	-
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	isNotifyable
sS-Code	M	M	M	-	-
provisioningState	M	M	M	-	-
activationState	M	M	M	-	-

4.3.16.3 Attribute constraints

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

4.3.16.4 Notifications

None.

4.3.17 SuMUser

4.3.17.1 Definition

This class represents a User.

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

4.3.17.2 Attributes

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

4.3.19.3 Attribute constraints

None.

4.3.19.4 Notifications

None.

4.3.20 MobileUserData

4.3.20.1 Definition

This class represents user data of a mobile User Equipment.

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

4.3.20.2 Attributes

Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
theServiceProfile	M	M	0	-	-
iMSI	M	M	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	islnvariant	isNotifyable
accessPointName	0	M	M	-	-
access Restriction Data	0	M	M	-	-
aPNAMBR	M	M	M	-	-
barringofPacketOrientedService	0	M	M	-	-
s contextIdentifier	M	M	M	_	_
operatorDeterminedBarringPLMNs	O	M	M	_	_
pecificData		IVI	IVI	_	_
pDNAddress	0	М	М	_	-
rSZILists	0	M	M	-	-
sTNSR	0	M	M	-	-
subscribedChargingCharacterist	0	M	М	-	-
ics					
subscriberStatus	0	M	M	-	-
networkAccessMode	M	M	M	-	-
barringOfOutgoingCalls	0	M	M	-	-
barringOfRoaming	0	M	M	-	-
privacyExceptionList	0	M	M	-	-
gMLCNumbers	0	M	M	-	-
mOLRList	0	M	M	-	-
serviceTypes	0	M	M	-	-
iCSIndicator	0	M	M	-	-
aPNOIReplacement subscribedUEAMBR	0	M	M	-	-
aPNConfigurationProfile	M M	M	M	-	-
rFSP	O	M M	M M	-	-
vPLMNAddressAllowed-EPS	M	M	M	-	-
pDNGWIdentity	O	M	M	-	_
ePSPDNConnectionChargingCharac	0	M	M		
teristics		IVI	141		
pDNGWAllocationType	M	М	М	-	-
aPNLevelAPNOIReplacement	0	М	М	-	-
closedSubscriberGroupInformati	0	M	М	-	-
on					
listofauthorizedvisitednetwork	0	M	M	-	-
identifiers					
staticWLANUERemoteIPAddressLis t	0	M	M	-	-
w-APNBarringTypeList	0	М	М	-	-
w-APNChargingDataList	0	М	М	-	-
wLANUERemoteIPAddress	0	M	М	-	-
accessDependenceFlag	0	M	М	-	-
chargingCharacteristics	0	M	М	-	-
primaryOCSChargingFunctionName	0	M	М	-	-
secondaryOCSChargingFunctionNa	0	M	M	-	-
me					
<pre>primaryChargingCollectionFunct ionName</pre>	0	M	M	-	-
secondaryChargingCollectionFun	0	М	М	-	-
ctionName w-APNIdentifierList	0	N A	N /I		
maxNumberAccessesList	0	M M	M M	-	-
maxNumperAccessesList maxSubscribedBandwidth	0	M M	M	-	-
subscribed3GPPWLANQoSProfile	0	M M	M	-	-
permanentUserIdentity	0	M	M	-	-
mIPSubscriberProfile	0	M	M	-	-
accessRestrictionData	0	M	M	<u>-</u>	-
accepaneact tectompala		IVI	IVI	_	<u>-</u>

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 O	M	M	isilivarialit	isivottiyable
access Restriction Data	0	M	M	-	-
aPNAMBR				-	-
	M	M	M	-	-
barringofPacketOrientedServices contextIdentifier	0	M	M	-	-
	M	M	M	-	-
operatorDeterminedBarringPLMNspec	0	M	M	-	-
ificData	0				
pDNAddress	0	M	M	-	-
rSZILists	0	M	M	-	-
sTNSR	0	M	M	-	-
subscribedChargingCharacteristics	0	M	M	-	-
subscriberStatus	0	M	M	-	-
networkAccessMode	M	M	M	-	-
barringOfOutgoingCalls	0	M	M	-	-
barringOfRoaming	0	M	M	-	-
privacyExceptionList	0	M	M	-	-
gMLCNumbers	0	M	M	-	-
mOLRList	0	M	M	-	-
serviceTypes	0	М	М	-	-
iCSIndicator	0	M	М	-	-
aPNOIReplacement	0	M	М	-	-
subscribedUEAMBR	M	M	М	-	-
aPNConfigurationProfile	M	М	М	-	-
rFSP	0	M	М	-	-
vPLMNAddressAllowed-EPS	M	M	M	-	-
pDNGWIdentity	0	M	M	-	-
ePSPDNConnectionChargingCharacter	0	M	M	-	_
istics		.,,	.,,		
pDNGWAllocationType	M	М	М	-	-
aPNLevelAPNOIReplacement	0	M	M	-	-
closedSubscriberGroupInformation	0	M	M	_	-
Listofauthorizedvisitednetworkide	0	M	M	_	_
ntifiers		141	141		
wLANUERemoteIPaddress	0	М	М	-	_
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		<u>-</u>
secondaryOCSChargingFunctionName	0	M	M	-	_
primaryChargingCollectionFunction	0	M	M	-	-
Name		IVI	IVI	-	-
secondaryChargingCollectionFuncti	0	N /	N /		
onName	0	M	M	-	-
w-APNIdentifierList	0	N 4	K 4	_	_
maxNumberAccessesList		M	M		
	0	M	M	-	-
maxSubscribedBandwidth	0	M	M	-	-
subscribed3GPPWLANQoSProfile	0	M	M	-	-
permanentUserIdentity	0	M	M	-	-
mIPSubscriberProfile	0	M	M	-	-
accessRestrictionData	0	M	M	-	-

4.3.25.3 Attribute constraints

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

4.3.25.4 Notifications

None.

4.3.26 EPSServiceProfile

4.3.26.1 Definition

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

4.3.26.2 Attributes

Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
aPNAMBR	М	M	M	-	-
contextIdentifier	M	M	M	-	-
pDNAddress	0	М	М	-	-
aPNOIReplacement	0	М	М	-	-
subscribedUEAMBR	M	M	М	-	-
aPNConfigurationProfile	M	М	М	-	-
rFSP	0	M	М	-	-
pDNGWIdentity	0	M	М	-	-
ePSPDNConnectionChargingCharacteris	0	M	М	-	-
tics					
vPLMNAddressAllowed-EPS	M	M	M	-	-
pDNGWAllocationType	M	M	M	-	-
aPNLevelAPNOIReplacement	0	M	M	-	-
roamingRestrictionDueToUnsupportedF	M	M	-	-	-
eatureMME					
roamingRestrictionDueToUnsupportedF	M	M	-	-	-
eatureSGSN					
mSPurgedForEPSFlag	M	M	-	-	-
uRRPMME	0	M	-	-	-
mMEName	M	M	-	-	-
sGSNName	M	M	-	-	-
iWFNumber	0	M	-	-	-
sGSNAreaRestrictedFlag	M	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	М	М	-	-
iPAddressOfTraceCollectionEntity	0	М	-	-	-
accessPointName	0	М	М	-	-
subscribedChargingCharacteristics	0	М	М	-	-
sTNSR	0	М	М	-	-
closedSubscriberGroupInformation	0	М	М	-	-
theIWANPar	M	М	0	-	-

4.3.27.3 Attribute constraints

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

4.3.27.4 Notifications

4.3.28 IWANParameters

4.3.28.1 Definition

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

4.3.28.2 Attributes

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

4.3.28.3 Attribute constraints

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

4.3.28.4 Notifications

4.3.29 OptHandover3GPP2Parameters

4.3.29.1 Definition

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

4.3.29.2 Attributes

Attribute name	Support Qualifier	isReadable	isWritable	isInvariant	isNotifyable
rATType	0	M	1	ı	-

4.3.29.3 Attribute constraints

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

4.3.29.4 Notifications

None.

4.3.30 Non3GPPAccessParameters

4.3.30.1 Definition

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

4.3.30.2 Attributes

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

4.3.30.3 Attribute constraints

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

4.3.30.4 Notifications

4.3.31 Common3GPPAccessServiceProfile

4.3.31.1 Definition

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

4.3.31.2 Attributes

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

Attribute Name	Documentation and Allowed values	Properties
suMSubscriberProfileInfo	A description of (information for) the Subscriber Profile.	type: String
	It is with free structure and format.	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
imsi	23.008 clause 2.1.1.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
networkAccessMode	23.008 clause 2.1.1.2	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
mSISDN	23.008 clause 2.1.2	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
multinumberingMSISDNs	23.008 clause 2.1.3	type: < <datatype>></datatype>
		multiplicity: 1
	It is a sequence of two items:	isOrdered: N/A
	An MSISDN number (string)	isUnique: N/A
	2) A multinumberingMSISDNIndicator which can be	defaultValue: None
	one of two choices:	isNullable: False
	a) "BASIC"	
	b) "ALERT"	
	allowedValues: N/A	
basicMSISDNIndicator	23.008 clause 2.1.3.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
mSISDNAlertIndicator	23.008 clause 2.1.3.2	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
lmsi	23.008 clause 2.1.8	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
mobileStationCategory	23.008 clause 2.2.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	
		isUnique: N/A defaultValue: None isNullable: False
lMUIdentifier	allowedValues: N/A 23.008 clause 2.2.2	isUnique: N/A defaultValue: None isNullable: False type: String
lMUIdentifier		isUnique: N/A defaultValue: None isNullable: False type: String multiplicity: 1
lMUIdentifier		isUnique: N/A defaultValue: None isNullable: False type: String
lMUIdentifier		isUnique: N/A defaultValue: None isNullable: False type: String multiplicity: 1 isOrdered: N/A isUnique: N/A
lMUIdentifier		isUnique: N/A defaultValue: None isNullable: False type: String multiplicity: 1 isOrdered: N/A

1	lan ann i	T. O. I
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
	20.000 014400 2.1.10	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
rSZIlists	23.008 clause 2.4.11.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. 14/71	isNullable: False
magana a Da a tari a ta dalla a	00.000 -1 0.440	
mSCAreaRestrictedFlag	23.008 clause 2.4.12	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
sGSNarearestrictedflag	23.008 clause 2.4.14	type: String
	25.555 514455 2.1.11	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
oDBinducedBarringData	23.008 clause 2.4.15.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. N/A	
	00 000 1 0 4 4 5 0	isNullable: False
roamingRestrictionDueToU	23.008 clause 2.4.15.2	type: String
nsupportedFeature		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
roamingRestrictedintheSG	23.008 clause 2.4.15.3	type: String
SNduetounsupportedfeatur		multiplicity: 1
e		isOrdered: N/A
		isUnique: N/A
	allowed Volume, N/A	
	allowedValues: N/A	defaultValue: None
		isNullable: False
lSAIdentity	23.008 clause 2.4.17.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
lSAPriority	23.008 clause 2.4.17.2	type: String
	20.000 dauge 2.7.17.2	
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
lSAPreferentialAccessInd	23.008 clause 2.4.17.2A	type: String
icator		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowed Values: N/A	
	allowedValues: N/A	defaultValue: None
İ		isNullable: False

1 CAA at irroModo Cupposet Indi	22 000 days 2 4 17 2D	tuno. Ctring
lSAActiveModeSupportIndi	23.008 clause 2.4.17.2B	type: String
cator		multiplicity: 1 isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
1000 1		isNullable: False
lSAOnlyAccessIndicator	23.008 clause 2.4.17.3	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
lSAActiveModeIndicator	23.008 clause 2.4.17.4	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
vPLMNIdentifier	23.008 clause 2.4.17.5	type: String
	20.000 01000 2.1.17.0	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	 allowedValues: N/A	defaultValue: None
	allowed values. N/A	isNullable: False
accessRestrictionData	00.000 -1	
accesskestrictionData	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
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
mSCNumber	23.008 clause 2.4.6	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	anowa valdos. 1471	isNullable: False
sGSNNumber	23.008 clause 2.4.8.1	. 0
	25.000 614436 2.4.0.1	type: String multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	 allowedValues: N/A	defaultValue: None
	allowed values. N/A	
ac CONTINUE or	22 000 days 2 4 0 2	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
		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
1		[เจเขนแลมโซ. โลเจซ

1 00 2 2	loo ooo 1	Tr. Ori
bCAllocation	23.008 clause 2.5.3	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		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
mNRG	23.008 clause 2.7.2	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
checkSSIndicator	23.008 clause 2.7.4.4	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values: N/A	
		isNullable: False
mSPurgedForNonGPRSFlag	23.008 clause 2.7.5	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
mSpurgedforGPRSflag	23.008 clause 2.7.6	type: String
mspargearoreritstrag	20.000 clause 2.7.0	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
mNRRMSC	23.008 clause 2.7.7	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	anowa valado. 14/1	isNullable: False
subscriberStatus	23.008 clause 2.8.1	type: String
2 abbot their beacab	20.000 Gause 2.0.1	multiplicity: 1
		isOrdered: N/A
	H N/ I N/A	isUnique: N/A
	allowedValues: N/A	defaultValue: None
		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
		isNullable: False
barringOfIncomingCalls	23.008 clause 2.8.2.2	type: String
	20.000 0laago 2.0.2.2	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
barringOfRoaming	23.008 clause 2.8.2.3	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. IVA	aciault value. I volle
		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
		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
		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
		isNullable: False
barringOfInvocationOfCal	23.008 clause 2.8.2.7	type: String
lTransfer		multiplicity: 1
		isOrdered: N/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
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
notificationToCSEFlagFor	23.008 clause 2.8.4	type: String
ODB		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	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
3	20.000 0.0000 2.101.	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	anowed valdes. 14/70	isNullable: False
mobileStationNotReachabl	23 008 clause 2 10 2	type: String
eFlaq	20.000 010000 2.10.2	multiplicity: 1
<i>-</i>		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. IN/A	isNullable: False
memoryCapacityExceededFl	23 008 clause 2 10 3	
	23.000 Clause 2.10.3	type: String
ag		multiplicity: 1
		isOrdered: N/A
	ollowed\/aluge: N/A	isUnique: N/A
	allowedValues: N/A	defaultValue: None
1		isNullable: False

traceReference	23.008 clause 2.11.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
traceType	23.008 clause 2.11.2	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
operationsSystemsIdentit	23.008 clause 2.11.3	type: String
У		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		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
	anovou valuoo. 1471	isNullable: False
traceActivatedInVLR	23.008 clause 2.11.6	type: String
	20.000 0.0000 2.11.0	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. IV/A	isNullable: False
traceActivatedinSGSN	23.008 clause 2.11.7	type: String
eracericer vaccariiscsiv	25.000 clause 2.11.7	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. IV/A	isNullable: False
	00 000 -1 0 40 4	
vGCSGroupMembershipList	23.008 clause 2.12.1	type: String
		multiplicity: 1
		isOrdered: N/A
	allowed\/aksas N/A	isUnique: N/A
	allowedValues: N/A	defaultValue: None
P.C.C	00.000 1 0.40 0	isNullable: False
vBSGroupMembershipList	23.008 clause 2.12.2	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
broadcastCallInitiationA	23.008 clause 2.12.2.1	type: String
llowedList		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
pDPType	23.008 clause 2.13.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	anowed values. 14/71	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	00.000 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
purcontextidentifier	23.006 clause 2.13.24	
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
pDPContextChargingCharac	22 009 clause 2 12 25	10.10.00.00.00
	23.000 Clause 2.13.25	type: String
teristics		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
accessPointName	22 000 days 2 42 0	
accessPointName	23.008 clause 2.13.6	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
vPLMNAddressAllowed	00 000 -1 0 40 0	
VPLMNAddressallowed	23.008 clause 2.13.8	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
vPLMNAddressAllowed-EPS	23.008 clause 2.13.40	
VPLMMAGGIESSATIOWEG-EPS	23.006 clause 2.13.40	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
originatingCAMELSubscrip	23.008 clause 2.14.1.1/3.1	type: String
	23.000 clause 2.14.1.1/3.1	
tionInformationOCSI		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
aPRSCAMELSubscriptionInf	23.008 clause 2.14.1.10/2.14.4.4	type: String
ormationGPRSCSI	20.000 Glause 2.14.1.10/2.14.4.4	
OT IIIQ C TOTIOP K A C A C A C A C A C A C A C A C A C A		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
dialledServiceCAMELSubsc	23 008 clause 2 14 1 11/2 7	type: String
	20.000 Gause 2.14.1.11/3./	
riptionInformationDCSI		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
1		isNullable: False
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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	20.000 014400 2.1 1.1.0	multiplicity: 1
TIDELS CACETILIOI MACTON		
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
uSSDCAMELSubscriptionInf	23 008 clause 2 1/1 1 /	type: String
ormationUCSI	25.000 clause 2.14.1.4	
ormationucsi		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
sSInvocationNotification	00 000 -1 0 444 5/0 0	
	23.008 clause 2.14.1.5/3.2	type: String
SSCSI		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. 14/7 (isNullable: False
	00 000 1 0 444 0/0 0	
translationInformationFl	23.008 clause 2.14.1.6/3.6	type: String
agTIFCSI		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. 14/7 (isNullable: False
1 11 0 0 1 0 1 0 1	00.000 0.444.000	
shortMessageServiceCAMEL	23.008 clause 2.14.1.8/2.14.3.5	type: String
SubscriptionInformationM		multiplicity: 1
OSMSCSI		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. 14/7 (
OGl	00 000 1 0 44 4 0/0 4 4 4 4	isNullable: False
mOShortMessageServiceCAM	23.008 clause 2.14.1.8/2.14.4.1	type: String
ELSubscriptionInformatio		multiplicity: 1
nMOSMSCSI		isOrdered: N/A
		isUnique: N/A
	 allowedValues: N/A	defaultValue: None
	allowed values. IV/A	
		isNullable: False
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
	lallowedValues: N/A	defaultValue: None
	allowed values. IV/A	
		isNullable: False
${\tt mTShortMessageServiceCAM}$	23.008 clause 2.14.1.9/2.14.4.2.	type: String
ELSubscriptionInformatio		multiplicity: 1
nMTSMSCSI		isOrdered: N/A
		isUnique: N/A
	allowed Value of NI/A	
	allowedValues: N/A	defaultValue: None
		isNullable: False

gPRSCSINegotiatedCAMELCa	23.008 clause 2.14.2.1	type: String
pabilityHandling		multiplicity: 1
7 J		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
mCSINegotiatedCAMELCapab	23.008 clause 2.14.2.1	type: String
ilityHandling		multiplicity: 1
Tileynanding		
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
mGCSINegotiatedCAMELCapa	23 008 clause 2 1/1 2 1	type: String
bilityHandling	25.000 014436 2.14.2.1	
DITTCYTIATIOTITIS		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
mOSMSCSISGSNNegotiatedCA	22 009 days 2 14 2 1	type: String
	23.006 Gause 2.14.2.1	
MELCapabilityHandling		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	3	isNullable: False
mocMcdctiii Diiamati - t - 10334	00 000 player 0.44 0.4	
mOSMSCSIVLRNegotiatedCAM	23.008 clause 2.14.2.1	type: String
ELCapabilityHandling		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. IV/A	
		isNullable: False
mTSMSCSISGSNNegotiatedCA	23.008 clause 2.14.2.1	type: String
MELCapabilityHandling		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	
	allowed values: 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
	H	
	allowedValues: N/A	defaultValue: None
		isNullable: False
oCSINegotiatedCAMELCapab	23.008 clause 2.14.2.1	type: String
ilityHandling		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
sSCSINegotiatedCAMELCapa	23.008 clause 2.14.2.1	type: String
bilityHandling		multiplicity: 1
222207110110121119		
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
vTCSINegotiatedCAMELCapa	23 008 clause 2 14 2 1	type: String
bilityHandling	25.555 5.6655 2.1 1.2.1	multiplicity: 1
DITTENTIALICETING		
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
SGSNOfferedCAMEL4CSIs	23.008 clause 2.14.2.2A	type: String
DODITOT LCT CACVIIITITCDID	20.000 Gause 2.14.2.2M	
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
1		isNullable: False
i	1	portulianie. Faise

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
2 censuppor codornier napos	25.000 614436 2.14.2.2	multiplicity: 1
		isOrdered: N/A
	- II IV / - I N I / A	isUnique: N/A defaultValue: None
	allowedValues: N/A	isNullable: False
		10.10.00.00.00.00
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
gsmSCFaddressforCSI	23.008 clause 2.14.2.4	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
uSSDGeneralCAMELServiceI	23 008 clause 2 14 2 3	type: String
nformationUGCSI	25.000 Gause 2.14.2.5	multiplicity: 1
III OI Macionogesi		isOrdered: N/A
	N N 1 N 1 N 1 N 1 N 1 N 1 N 1 N 1 N 1 N	isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
iSTAlertTimer	23.008 clause 2.15.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
privacyExceptionList	23.008 clause 2.16.1.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	anowed values. 14/7	isNullable: False
gMLCNumbers	23.008 clause 2.16.1.2	
gridenumber s	23.006 clause 2.16.1.2	type: String multiplicity: 1
		isOrdered: N/A
	N N 1 N 1 N 1 N 1 N 1 N 1 N 1 N 1 N 1 N	isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
mOLRList	23.008 clause 2.16.1.3	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
serviceTypes	23.008 clause 2.16.1.4	type: String
- 		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	anowed values. IV/A	isNullable: False
a ca Indiaa ta x	22.000 days 2.47.4	
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
		isNullable: False
iMSPrivateUserIdentity	23.008 clause 3.1.1	type: String
1	20.000 0.000 0	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	anowa valado. 14/7 t	isNullable: False
publicUserIdentity	23.008 clause 3.1.2	type: String
publicoscilaciicicy	23.000 Clause 3.1.2	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	lallowedValues: N/A	defaultValue: None
	allowed values. N/A	
harring of Tradition	00 000 -1 0.4.0	isNullable: False
barringIndication	23.008 clause 3.1.3	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
listofauthorizedvisitedn		type: String
etworkidentifiers	23.008 clause 3B.1.4	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
		defaultValue: None
	allowedValues: N/A	isNullable: False
registrationStatus	23.008 clause 3.2.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
sCSCFName	23.008 clause 3.2.2	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
diameterClientAddressofS	23.008 clause 3.2.3	type: String
CSCF		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
serverCapabilities	23.008 clause 3.4.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	IdefaultValue: None
	anowou values. 14/7	isNullable: False
initialEiltorCritoria	This attribute is a list which contains multiple items of	
	This attribute is a list which contains multiple items of	type: < <datatype>></datatype>
t	initialFilterCriteria (Ref. 23.008 clause 3.5.2)	multiplicity: 1*
		isOrdered: False
	It is a set of initialFilterCriteria (string)	isUnique: True
		defaultValue: None
	allowedValues: N/A	isNullable: True

applicationServerInforma	23.008 clause 3.5.3	type: String
tion		multiplicity: 1
		isOrdered: N/A
	11 157 1 151/4	isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
serviceIndicationList	This attribute is a list which contains multiple items of	type: < <datatype>></datatype>
	serviceIndication (Ref. 23.008 clause 3.5.4)	multiplicity: 1*
		isOrdered: N/A
	It is a set of serviceIndication (string)	isUnique: N/A
	it is a set of service indication (string)	
		defaultValue: None
		isNullable: True
	allowedValues: N/A	
subscribedMediaProfileId	23 008 clause 3 6 1	type: String
entifier	25.000 014460 0.0.1	multiplicity: 1
EUCILIEL		
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
primaryEventChargingFunc	23 008 clause 3 7 1	type: String
tionName	23.008 clause 3B.7.4	1
CICIIIVAIIIC	23.000 Gause 3D.7.4	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
		defaultValue: None
	allowedValues: N/A	isNullable: False
secondaryEventChargingFu	22 008 dayso 2 7 2	type: String
nctionName		
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 (iorvanabio. I albo
primaryChargingCollectio	22 008 dayso 2 7 2	type: String
nFunctionName	23.000 Gause 3.7.3	
nr unccionname		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
secondaryChargingCollect	23 008 dauge 3 7 4	type: String
ionFunctionName	20.000 diause 0.7. T	
TOTIL UTICCTOTINALIE		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
gsmSCFaddressforIMCSI	23.008 clause 3.8.4	type: String
	25.555 514455 5.5.1	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
iMSSFaddressforIMCSI	23.008 clause 3.8.5	type: String
This i addition in the	20.000 010036 0.0.0	
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
oIMCSI	23.008 clause 3.8.1	type: String
O 11·1C O 1	20.000 Gause 3.0.1	
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
		ioi taliabio. I aldo

<u> </u>		
vTIMCSI	23.008 clause 3.8.2	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	anowed values. 14/71	isNullable: False
dIMCS	23.008 clause 3.8.3	type: String
la inco	23.000 Clause 3.6.3	
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
gAAServiceType	23.008 clause 3A.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
gAAServiceIdentifier	23.008 clause 3A.2	type: String
5111001 110014011011101	20.000 014430 074.2	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	defaultValue: None
		isNullable: False
userSecuritySetting	23.008 clause 3A.4	type: String
usersecuricyseccing	23.000 dause 3A.4	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
userPublicIdentity	23.008 clause 3A.5	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
gAAAuthorizationflag	23.008 clause 3A.6	type: String
9/11/1401101124010111149	25.000 Gause 5A.0	multiplicity: 1
		isOrdered: N/A
	II N/ I N/A	isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
keyLifetime	23.008 clause 3A.8	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
uICCSecuritySetting	23.008 clause 3A.9	type: String
arconcour relacerenia	20.000 Gause JA.3	
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
nAFGroupIdentity	23.008 clause 3A.11	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	anoway aidos. 14//1	isNullable: False
		เอเงนแสมเธ. ୮สเจิธ

w-APN	23.008 clause 3B.1.3	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
3GPPAAAServerName	23.008 clause 3B.1.6	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
wLANUERemoteIPaddress	23.008 clause 3B.1.10	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
staticWLANUERemoteIPAddr	23 008 clause 3B 5 1 4	type: String
essList		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. TV/A	isNullable: False
w-APNBarringTypeList	23.008 clause 3B.5.1.2	type: String
" THINDGITTING TYPE COLUMN	20.000 Gause 30.0.1.2	multiplicity: 1
		isOrdered: N/A
	allowedValues: N/A	isUnique: N/A defaultValue: None
	allowed values. N/A	
7,01761	00.000 00.540	isNullable: False
w-APNChargingDataList	23.008 clause 3B.5.1.3	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
accessDependenceFlag	23.008 clause 3B.5.2	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
-		isNullable: False
i-WLANAccessType	23.008 clause 3B.5.3	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
chargingCharacteristics	23.008 clause 3B.7.1.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
primaryOCSChargingFuncti	23,008 clause 3B.7.2	type: String
onName		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	anowou values. IV/A	isNullable: False
secondaryOCSChargingFunc	23 008 clause 3P 7 3	
tionName	23.000 Clause 3D.7.3	type: String
CIOIINaille		multiplicity: 1
		isOrdered: N/A
	allowed Values N/A	isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False

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
		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
	25.002 0laddo 7.0.4.7	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
	anowed values. 14/7	iorvaliable. 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
	allowed values. IV/A	isivullable. False
nbrUser	23.008 clause 2.6	type: String
	29.002 clause 7.6.4.47	multiplicity: 1
	20.002 014400 7.0.1.17	isOrdered: N/A
		isUnique: N/A
		defaultValue: None
	- II N I / A	
	allowedValues: N/A	isNullable: False
nbrSB	23.008 clause 2.6	type: String
	29.002 clause 7.6.4.47	multiplicity: 1
	23.002 clause 7.0.4.47	isOrdered: N/A
		isUnique: N/A
		defaultValue: None
	allawad\/alwaa, NI/A	
	allowedValues: N/A	isNullable: False
TraceReference2	23.008 Clause 2.11.9	type: String
	20.000 0.000 2.11.0	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. IN/A	
Tro go Donth	22 009 Clause 2 11 10	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
	anowed values. IV/A	lisNullable: False
iCSIndicator	23.008 Clause 2.20.1	type: String
	25.555 5.4455 2.25.1	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. IN/A	
	1	isNullable: False

iCSIndicator	23.008 Clause 2.20.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values. N/A	
		isNullable: False
sTNSR	23.008 Clause 2.21.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	anomou valdos. 1471	isNullable: False
2CDDAAADxorraNomo	23.008 Clause 3B.1.5	
3GPPAAAProxyName	23.006 Clause 3B.1.3	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
w-APNIdentifierList	23.008 Clause 3B.5.1.1	type: String
Williadiciliate	25.000 Gladge 3B.3.1.1	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
	H N/ I N/A	isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
maxSubscribedBandwidth	23.008 Clause 3B.6.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	allowed values: N/A	
		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
	anowed values. 14/71	isNullable: False
	00 000 01 00 0	<u> </u>
userStatus	23.008 Clause 3B.2.1	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
rATType	23.008 Clause 2.13.75	type: String
	20.000 Clause 2.10.70	
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
iPAddressOfTraceCollecti	23.008 Clause 2.11.14	type: String
onEntity		multiplicity: 1
OHEHELLY		
		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
<u>l</u>		isNullable: False

pDNAddress	23.008 Clause 2.13.39	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
permanentUserIdentity	23.008 Clause 2.13.79	type: String
		multiplicity: 1
		isOrdered: N/A
	H D/ I AI/A	isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
visitedNetworkIdentifier	23.008 Clause 2.13.82	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allawa di /alwaa Ni/A	defaultValue: None
	allowedValues: N/A	
		isNullable: False
mIPSubscriberProfile	23.008 Clause 2.13.86	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowed\/akuaay N//	
	allowedValues: N/A	defaultValue: None
		isNullable: False
aPNAMBR	23.008 Clause 2.13.32	type: String
		multiplicity: 1
		isOrdered: N/A
	H D/ I AI/A	isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
contextIdentifier	23.008 Clause 2.13.38	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	H D/ I AI/A	
	allowedValues: N/A	defaultValue: None
		isNullable: False
aPNOIReplacement	23.008 Clause 2.13.29	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allawa di Valuani NI/A	
	allowedValues: N/A	defaultValue: None
		isNullable: False
subscribedUEAMBR	23.008 Clause 2.13.30	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowed\/akuaayN/A	
	allowedValues: N/A	defaultValue: None
		isNullable: False
rFSP	23.008 Clause 2.13.33	type: String
		multiplicity: 1
		isOrdered: N/A
	allawa alValva av NI/A	isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
pDNGWIdentity	23.008 Clause 2.13.41	type: String
		multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
ePSPDNConnectionCharging	23.008 Clause 2.13.71	type: String
Characteristics	25.555 5.4465 2.15.17	multiplicity: 1
CHALACCCLIBCICS		
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
	1	noi tanabio. I albo

pDNGWAllocationType	23.008 Clause 2.13.105	type: String multiplicity: 1 isOrdered: N/A
	allowedValues: N/A	isUnique: N/A defaultValue: None
aPNLevelAPNOIReplacement	22 009 Clause 2 12 100	isNullable: False
aphlevelAphOlkeplacement	23.006 Clause 2.13.109	type: String multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
closedSubscriberGroupInf	22 009 Clause 2 4 22	isNullable: False type: String
ormation	23.006 Clause 2.4.22	multiplicity: 1
		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
	00 000 01 0 445 0	isNullable: False
roamingRestrictionDueToUnsupportedFeatureMME	23.008 Clause 2.4.15.3a	type: String multiplicity: 1
Insuppor cear eacurering		isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
mSPurgedForEPSFlag	23.008 Clause 2.7.6A	type: String
		multiplicity: 1 isOrdered: N/A
		isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
uRRPMME	23.008 Clause 2.7.9.1	type: String
		multiplicity: 1
		isOrdered: N/A isUnique: N/A
	allowedValues: N/A	defaultValue: None
		isNullable: False
mMEName	23.008 Clause 2.13.26	type: String
		multiplicity: 1
		isOrdered: N/A isUnique: N/A
	allowedValues: N/A	defaultValue: None
	anowod valdos. 14/7 (isNullable: False
sGSNName	23.008 Clause 2.13.100	type: String
		multiplicity: 1
		isOrdered: N/A
	allowedValues: N/A	isUnique: N/A defaultValue: None
	allowed values. IV/A	isNullable: False
iWFNumber	23.008 Clause 2.4.8.3	type: String
		multiplicity: 1
		isOrdered: N/A
	allowed Values AI/A	isUnique: N/A
	allowedValues: N/A	defaultValue: None isNullable: False
Attribute related to role		isivullable. False
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	

theoffer Models the relationship to a service. The relationship is between a service and a subscription to the same type of aservice (for example between CSSE-rvice and CSSE-rvice). This attribute contains the DN of the related SuMService instance. allowedValuss: N/A theService Models the relationship to a service profile. The relationship is between a subscribed service and a service profile of the same type of service (for example between CSSU-bear 1 bedservice and a service profile of the same type of service (for example between CSSU-bear 1 bedservice and CSSE-rvice-roll-1). This attribute contains a list of the DN(s) of the related SuMService-Profile instance(s). allowedValuses: N/A theSpecification Models the relationship to a subscribed service. The relationship is between a subscribed service. The relationship is between a subscribed service and a service profile of the same type of service (for example default/aluse Note). The related SuMSubscribedService instance. allowedValuses: N/A theOptical 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 MobileUserData Models the relationship from a user to the user data of a mobile subscribed service on the subscribed service of the Sumble Subscribed Service of the Sumble Subscribed Service on the S			
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supplement service. This attribute contains a list of the DN(s) of the aggregated SuMCSSupplService instance(s). multiplicity: 1* isOrdered: False isUnique: True defaultValue: None			isNullable: True
	theCSSupplServiceForCS	supplement service. This attribute contains a list of the DN(s) of the aggregated SuMCSSupplService	multiplicity: 1* isOrdered: False isUnique: True
		allowedValues: N/A	

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

theIdentity	Models the relationship from a user to an identity. This attribute contains a list of DN(s) of the related	type: DN multiplicity: 1*
	SuMIdentity instance(s).	isOrdered: False
		isUnique: True
	allowedValues: N/A	defaultValue: None
		isNullable: True
theServerCapabilities		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
	allowedValues: N/A	isNullable: True
	allowed values. IV/A	

4.4.2 Constraints

None.

4.5 Common notifications

Annex A (informative): Change history

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

History

Document history				
V14.0.0	April 2017	Publication		