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Telecommunication management;
Subscription Management (SuM)
Network Resource Model (NRM)
Integration Reference Point (IRP);
Information Service (IS)
(3GPP TS 28.752 version 11.0.1 Release 11)



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650 Route des Lucioles F-06921 Sophia Antipolis Cedex - FRANCE

Tel.: +33 4 92 94 42 00 Fax: +33 4 93 65 47 16

Siret N° 348 623 562 00017 - NAF 742 C Association à but non lucratif enregistrée à la Sous-Préfecture de Grasse (06) N° 7803/88

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Version x.y.z

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- y the second digit is incremented for all changes of substance, i.e. technical enhancements, corrections, updates, etc.
- z the third digit is incremented when editorial only changes have been incorporated in the document.

Ready for Converged Management

This specification is part of a set that has been developed for converged management solutions.

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 |
| 10 20.702. | Point (IRP); Information Service (IS). |

1 Scope

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

2 References

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

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

3 Definitions and abbreviations

3.1 **Definitions**

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

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

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

Subscription Profile Component Definition: specifies a Subscription Profile Component.

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

User: see 3GPP TS 32.140 [3].

3.2 Abbreviations

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

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

4 Model

4.1 Imported information entities and local labels

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

4.2 Class diagram

4.2.1 Relationships

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



Figure 1a: SuM NRM naming diagram 1

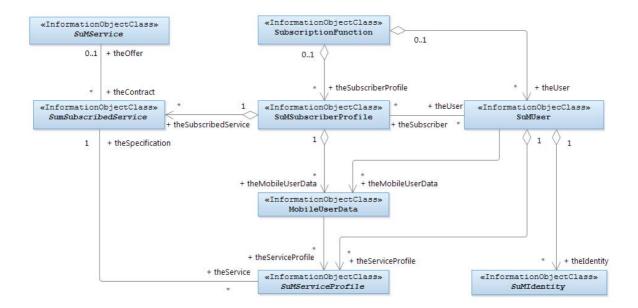


Figure 1b: SuM NRM Containment and Association diagram 1

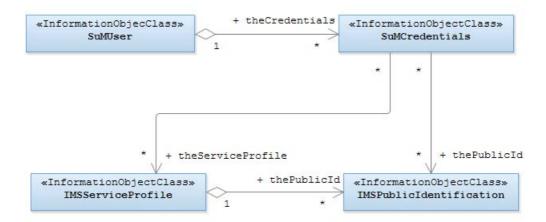


Figure 1c: SuM NRM Containment and Association diagram 2

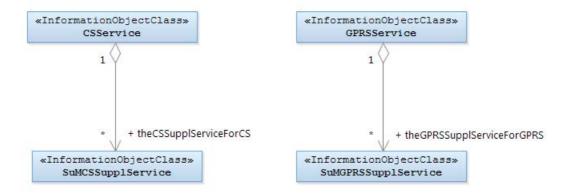


Figure 1d: SuM Supplementary Service NRM Aggregation diagram 1

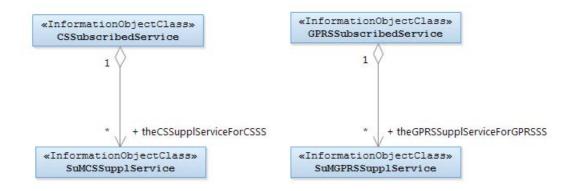


Figure 1e: SuM Supplementary Service NRM Aggregation diagram 2

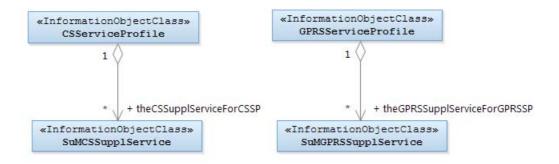


Figure 1f: SuM Supplementary Service NRM Aggregation diagram 3

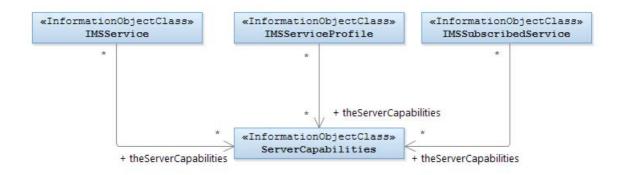


Figure 1g: SuM IMS Service Containment and Association diagram 1

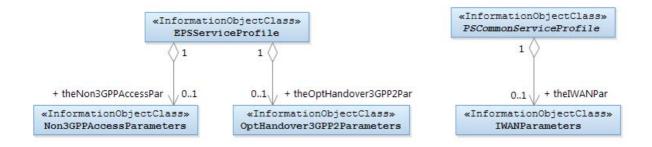


Figure 1h: Service Profile NRM Association diagram

4.2.2 Inheritance

This subclause depicts the inheritance relationships.

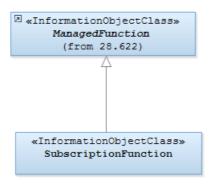


Figure 2a: SuM NRM Inheritance Hierarchy 1

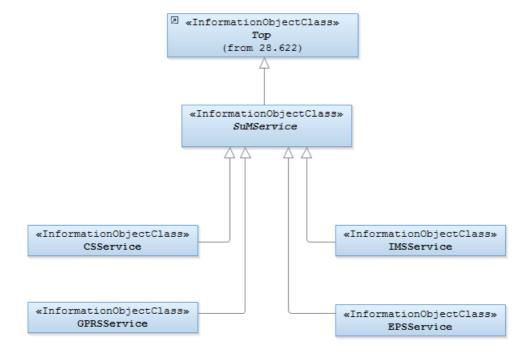


Figure 2b: SuM NRM Inheritance Hierarchy 2

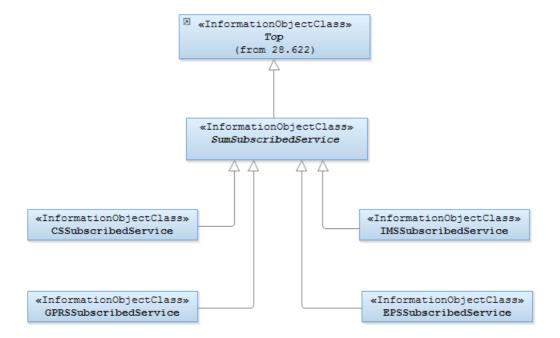


Figure 2c: SuM NRM Inheritance Hierarchy 3

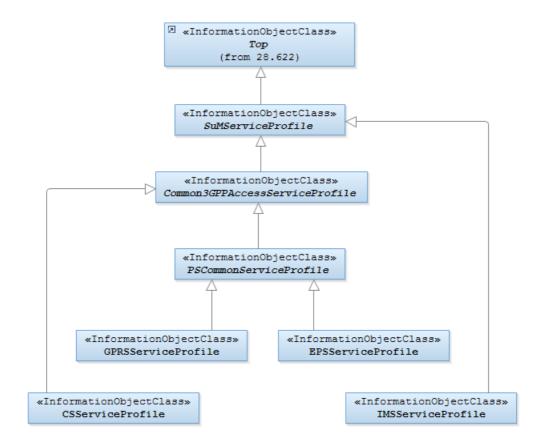


Figure 2d: SuM NRM Inheritance Hierarchy 4

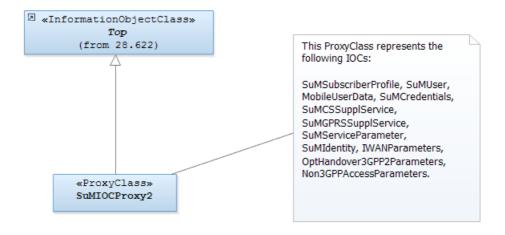


Figure 2e: SuM NRM Inheritance Hierarchy 5

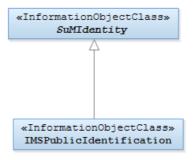


Figure 2f: SuM NRM Inheritance Hierarchy 8

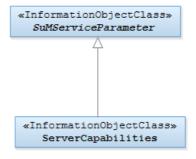


Figure 2g: SuM NRM Inheritance Hierarchy 9

4.3 Class definitions

4.3.1 SuMService

4.3.1.1 Definition

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

4.3.1.2 Attributes

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

4.3.1.3 Attribute constraints

None.

4.3.1.4 Notifications

None.

4.3.2 CSService

4.3.2.1 Definition

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

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

4.3.2.2 Attributes

| Attribute name | Support Qualifier | isReadable | isWritable | isInvariant | isNotifyable |
|--|-------------------|------------|------------|-------------|--------------|
| networkAccessMode | M | M | М | - | - |
| basicMSISDNIndicator | 0 | M | M | _ | - |
| mSISDNAlertIndicator | 0 | M | M | _ | - |
| subscriptionRestriction | 0 | M | M | - | - |
| rSZIlists | 0 | M | M | _ | - |
| lsAIdentity | 0 | M | M | - | - |
| lsaPriority | 0 | M | M | - | - |
| lSAPreferentialAccessIndicator | Ö | M | M | - | - |
| lSAActiveModeSupportIndicator | 0 | M | М | - | - |
| lSAOnlyAccessIndicator | 0 | M | M | - | - |
| lSAActiveModeIndicator | 0 | M | M | - | - |
| vPLMNIdentifier | 0 | M | M | - | - |
| accessRestrictionData | 0 | M | M | _ | - |
| privacyExceptionList | 0 | M | M | _ | - |
| qMLCNumbers | 0 | M | M | _ | - |
| mOLRList | 0 | M | M | _ | - |
| serviceTypes | 0 | M | M | _ | - |
| mobileStationCategory | 0 | M | M | _ | - |
| lMUIdentifier | 0 | M | M | - | - |
| 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 | | | | | |
| barringOfRegistrationOfCall | 0 | М | М | - | - |
| Forwarding | | | | | |
| barringOfInvocationOfCall | 0 | М | М | - | - |
| Transfer | | | | | |
| operatorDeterminedBarring | 0 | М | M | - | - |
| PLMNspecificData | | | | | |
| vGCSGroupMembershipList | 0 | M | M | 1 | - |
| vBSGroupMembershipList | 0 | M | M | 1 | - |
| broadcastCallInitiation | 0 | M | М | - | - |
| AllowedList | | | | | |
| originatingCAMELSubscription | 0 | M | M | - | - |
| InformationOCSI | | | | | |
| terminatingCAMELSubscription | 0 | M | M | - | - |
| InformationTCSI | _ | | | | |
| vMSCTerminatingCAMEL | 0 | M | M | - | - |
| SubscriptionInformationVTCSI | | | | | |
| locationInformation | 0 | M | M | - | - |
| SubscriberStateInformation | | | | | |
| uSSDCAMELSubscription | 0 | M | М | - | - |
| InformationUCSI sSInvocationNotificationSSCSI | | M | R /I | | |
| translationInformation | 0 | M M | M M | - | - |
| translationinformation FlagTIFCSI | | IVI | IVI | - | - I |
| dialledServiceCAMEL | 0 | M | M | - | - |
| SubscriptionInformationDCSI | | IVI | IVI | - | - |
| uSSDGeneralCAMELService | 0 | M | M | _ | _ |
| InformationUGCSI | | IVI | IVI | _ | |
| shortMessageServiceCAMEL | 0 | М | M | - | - |
| SubscriptionInformationMOSMSCSI | | 171 | IVI | | |
| | l | <u>I</u> | l | 1 | |

| shortMessageServiceCAMEL | 0 | М | M | - | - |
|---------------------------------|---|---|---|---|---|
| SubscriptionInformationMTSMSCSI | | | | | |
| mTSMSCSIVLRNegotiatedCAMEL | 0 | М | M | - | - |
| CapabilityHandling | | | | | |
| gsmSCFaddressforCSI | 0 | M | M | - | - |
| iSTAlertTimer | 0 | M | M | - | - |
| cSAllocationRetentionpriority | 0 | M | M | - | - |
| iCSIndicator | 0 | M | M | - | - |
| 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 | io\Writable | iolnyoriont | ioNetifyable |
|---|-------------------|---|-------------|-------------|--------------|
| Attribute name networkAccessMode | Support Qualifier | M | isWritable | isInvariant | isNotifyable |
| basicMSISDNIndicator | M O | M | M M | - | - |
| mSISDNAlertIndicator | 0 | M | M | - | - |
| rSZIlists | 0 | M | M | _ | _ |
| lSAIdentity | 0 | M | M | - | - |
| lsAPriority | 0 | M | M | - | - |
| ISAPreferentialAccessIndicator | 0 | M | M | - | - |
| ISAActiveModeSupportIndicator | 0 | M | M | _ | - |
| 1SAOnlyAccessIndicator | 0 | M | M | _ | _ |
| ISAActiveModeIndicator | 0 | M | M | _ | - |
| vPLMNIdentifier | 0 | M | M | _ | - |
| accessRestrictionData | 0 | M | M | _ | - |
| privacyExceptionList | Ö | 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 | Ō | M | M | - | - |
| accessPointName | Ō | M | M | - | - |
| vPLMNAddressAllowed | 0 | М | М | - | - |
| qualityofServiceSubscribed | 0 | M | М | - | - |
| pDPContextChargingCharacteristic | 0 | М | М | - | - |
| s | | | | | |
| gPRSCAMELSubscriptionInformation GPRSCSI | 0 | M | М | - | - |
| mOShortMessageServiceCAMELSubscr iptionInformationMOSMSCSI | 0 | M | M | - | - |
| mTShortMessageServiceCAMELSubscr iptionInformationMTSMSCSI | 0 | M | M | - | - |
| mOSMSCSISGSNNegotiatedCAMELCapab ilityHandling | 0 | M | М | - | - |
| mTSMSCSISGSNNegotiatedCAMELCapab ilityHandling | 0 | M | М | - | - |
| mobilityManagementforGPRSeventno tificationMGCSI | 0 | M | М | - | - |
| mGCSINegotiatedCAMELCapabilityHa ndling | 0 | M | М | - | - |
| gsmSCFaddressforCSI | 0 | M | М | - | - |
| subscribedChargingCharacteristic s | 0 | M | М | - | - |
| closedSubscriberGroupInformation | 0 | М | M | - | - |
| gSMSCFaddresslistForODB | 0 | М | M | - | - |
| barringOfOutgoingCalls | 0 | М | M | - | - |
| barringOfRoaming | 0 | М | M | - | - |
| operatorDeterminedBarringPLMNspe cificData | 0 | M | M | - | - |
| sTNSR | 0 | М | M | - | - |
| iCSIndicator | 0 | М | M | - | - |
| listofauthorizedvisitednetworkid entifiers | 0 | М | М | - | - |
| wLANUERemoteIPaddress | 0 | М | М | - | - |
| staticWLANUERemoteIPAddressList | 0 | M | M | _ | _ |
| w-APNBarringTypeList | 0 | M | M | - | - |
| w-APNChargingDataList | 0 | M | M | _ | _ |
| accessDependenceFlag | 0 | M | M | - | - |
| <u> </u> | | • | | | |

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

4.3.3.3 Attribute constraints

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

4.3.3.4 Notifications

None.

4.3.4 IMSService

4.3.4.1 Definition

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

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

4.3.4.2 Attributes

| Attribute name | Support Qualifier | isReadable | isWritable | isInvariant | isNotifyable |
|---------------------------------------|-------------------|------------|------------|-------------|--------------|
| listofauthorizedvisitednetworkid | M | M | М | - | - |
| entifiers | | | | | |
| registrationStatus | M | M | М | - | - |
| sCSCFName | 0 | M | - | - | - |
| diameterClientAddressofSCSCF | 0 | M | - | - | - |
| subscribedMediaProfileIdentifier | 0 | М | М | - | - |
| initialFilterCriteriaList | 0 | М | М | - | - |
| applicationServerInformation | 0 | M | М | - | - |
| serviceIndicationList | 0 | M | - | - | - |
| primaryEventChargingFunctionName | 0 | M | М | - | - |
| secondaryEventChargingFunctionNa | 0 | M | М | - | - |
| me | | | | | |
| primaryChargingCollectionFunctionName | M | M | M | - | - |
| secondaryChargingCollectionFunct | 0 | M | М | - | - |
| ionName | | | | | |
| gsmSCFaddressforIMCSI | 0 | M | M | - | - |
| oIMCSI | 0 | M | M | - | - |
| vTIMCSI | 0 | M | M | - | - |
| dIMCS | 0 | M | M | - | - |
| gAAServiceType | 0 | M | M | - | - |
| gAAServiceIdentifier | 0 | M | M | - | - |
| gBAUserSecuritySettings | 0 | M | M | - | - |
| userSecuritySetting | 0 | M | M | - | - |
| userPublicIdentity | 0 | M | M | - | - |
| gAAAuthorizationflag | 0 | M | М | - | - |
| keyLifetime | 0 | М | 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 | M | M | - | - |
| basicMSISDNIndicator | 0 | M | M | - | - |
| mSISDNAlertIndicator | 0 | M | M | - | - |
| subscriptionRestriction | 0 | M | M | - | - |
| rSZIlists ISAIdentity | 0 | M | M | - | - |
| | 0 | M | M | - | - |
| ISAPriority ISAPreferentialAccessIndicator | 0 | M | M M | - | - |
| ISAActiveModeSupportIndicator | 0 | M | M | - | - |
| 1SAOnlyAccessIndicator | 0 | M | M | - | - |
| 1SAActiveModeIndicator | 0 | M | M | - | - |
| vPLMNIdentifier | 0 | M | M | - | - |
| accessRestrictionData | 0 | M | M | - | - |
| privacyExceptionList | 0 | M | M | - | - |
| qMLCNumbers | 0 | M | M | - | - |
| mOLRList | 0 | M | M | - | - |
| serviceTypes | 0 | M | M | - | - |
| mobileStationCategory | 0 | M | M | | |
| lMUIdentifier | 0 | M | M | - | - |
| subscriberStatus | 0 | M | M | | - |
| gsmSCFaddresslistForODB | M | M | M | - | |
| provisionOfBearerService | M | M | M | - | - |
| provisionOfTeleservice | M | M | M | - | - |
| bCAllocation | O | M | M | - | - |
| barringOfOutgoingCalls | 0 | M | M | - | |
| barringOfIncomingCalls | 0 | M | M | | _ |
| barringOfRoaming | 0 | M | M | - | - |
| barringOfPremiumRateCalls | 0 | M | M | - | _ |
| barringOfSupplementaryService | 0 | M | M | _ | _ |
| Management | | 141 | | | |
| barringOfRegistrationOfCall | 0 | М | М | - | - |
| Forwarding | _ | | | | |
| barringOfInvocationOfCall | 0 | М | М | - | - |
| Transfer | | | | | |
| operatorDeterminedBarring | 0 | M | M | - | - |
| PLMNspecificData | | | | | |
| vGCSGroupMembershipList | 0 | M | M | - | - |
| vBSGroupMembershipList | 0 | M | M | - | - |
| broadcastCallInitiation | 0 | M | M | - | - |
| AllowedList | | | | | |
| originatingCAMELSubscription | 0 | M | M | - | - |
| InformationOCSI | _ | | | | |
| terminatingCAMELSubscription InformationTCSI | 0 | M | М | - | - |
| vMSCTerminatingCAMEL | 0 | M | M | _ | |
| Subscription | | IVI | IVI | - | - |
| InformationVTCSI | | | | | |
| locationInformation/ | 0 | М | M | - | - |
| SubscriberStateInformation | | IVI | IVI | _ | _ |
| uSSDCAMELSubscription | 0 | M | М | - | - |
| InformationUCSI | | "" | | | |
| sSInvocationNotification | 0 | M | М | - | - |
| SSCSI | | | | | |
| translationInformationFlag | 0 | M | M | - | - |
| TIFCSI | | | | | |
| dialledServiceCAMEL | 0 | M | M | - | - |
| SubscriptionInformationDCSI | | | | | |
| uSSDGeneralCAMELService | 0 | M | M | - | - |
| InformationUGCSI | | | | | |

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

4.3.6.3 Attribute constraints

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

4.3.6.4 Notifications

None.

4.3.7 GPRSSubscribedService

4.3.7.1 Definition

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

4.3.7.2 Attributes

| Attribute nome | Support Ouglifier | ioDoodoblo | isWritable | iolnyoriont | ioNetifyabla |
|----------------------------------|-------------------|------------|------------|-------------|--------------|
| Attribute name networkAccessMode | Support Qualifier | isReadable | | isInvariant | isNotifyable |
| basicMSISDNIndicator | <u>М</u> О | M M | 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 | M | M | - | - |
| vPLMNIdentifier | 0 | М | M | - | - |
| accessRestrictionData | 0 | M | M | - | - |
| privacyExceptionList | 0 | M | M | - | - |
| gMLCNumbers | 0 | М | M | - | - |
| mOLRList | 0 | М | M | - | - |
| serviceTypes | 0 | M | M | - | - |
| gGSNNumber | M | M | M | - | - |
| provisionofTeleservice | 0 | M | M | - | - |
| transferofSMoption | M | М | М | - | - |
| subscriberStatus | М | M | M | - | - |
| barringofPacketOrientedServices | 0 | М | М | - | - |
| pDPType | 0 | М | М | - | - |
| pDPAddress | 0 | M | M | - | - |
| accessPointName | 0 | M | M | - | - |
| vPLMNAddressAllowed | 0 | M | M | _ | - |
| qualityofServiceSubscribed | 0 | M | M | _ | - |
| pDPContextCharging | 0 | M | M | _ | _ |
| Characteristics | J | 141 | 141 | | |
| gPRSCAMELSubscription | 0 | М | М | _ | _ |
| InformationGPRSCSI | J | 141 | 141 | | |
| mOShortMessageService | 0 | М | М | _ | _ |
| CAMELSubscription | Ŭ | | | | |
| InformationMOSMSCSI | | | | | |
| mTShortMessageService | 0 | М | М | - | - |
| CAMELSubscription | | | | | |
| InformationMTSMSCSI | | | | | |
| mOSMSCSISGSNNegotiated | 0 | М | М | - | - |
| CAMELCapabilityHandling | | | | | |
| mTSMSCSISGSNNegotiated | 0 | М | М | _ | - |
| CAMELCapabilityHandling | | | | | |
| mobilityManagementforGPRSevent | 0 | М | М | _ | - |
| notificationMGCSI | | | | | |
| mGCSINegotiatedCAMEL | 0 | М | М | _ | - |
| CapabilityHandling | | | | | |
| gsmSCFaddressforCSI | 0 | М | М | _ | - |
| subscribedCharging | 0 | M | M | _ | - |
| Characteristics | | | | | |
| closedSubscriberGroup | 0 | М | М | _ | - |
| Information | Ŭ | | | | |
| gSMSCFaddresslistForODB | 0 | М | М | - | - |
| barringOfOutgoingCalls | 0 | M | M | _ | _ |
| barringOfRoaming | 0 | M | M | - | - |
| operatorDeterminedBarring | 0 | M | M | _ | _ |
| PLMNspecificData | | IVI | IVI | _ | - |
| sTNSR | 0 | М | М | _ | - |
| iCSIndicator | 0 | M | M | _ | - |
| listofauthorizedvisitednetwork | 0 | M | M | _ | - |
| identifiers | J | IVI | IVI | - | - |
| wLANUERemoteIPaddress | _ | N A | N 4 | | |
| WIANUEREMOLETRAUGIESS | 0 | М | M | - | - |

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

4.3.7.3 Attribute constraints

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

4.3.7.4 Notifications

None.

4.3.8 IMSSubscribedService

4.3.8.1 Definition

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

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

4.3.8.2 Attributes

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

4.3.8.3 Attribute constraints

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

4.3.8.4 Notifications

None.

4.3.9 SuMSubscriberProfile

4.3.9.1 Definition

This class represents the Subscriber Profile.

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

4.3.9.2 Attributes

| Attribute name | Support Qualifier | isReadable | isWritable | isInvariant | isNotifyable |
|---------------------------|-------------------|------------|-------------|---------------|--------------|
| | Support Qualifier | isneauable | ISVVIIIable | isilivarialit | ISNOTTIYADIE |
| 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

| At | tribute name | Support Qualifier | isReadable | isWritable | isInvariant | isNotifyable |
|---------|---------------------|-------------------|------------|------------|-------------|--------------|
| Attribu | ite related to role | | | | | |
| theSpec | ification | M | M | 0 | - | - |

4.3.10.3 Attribute constraints

None.

4.3.10.4 Notifications

None.

4.3.11 CSServiceProfile

4.3.11.1 Definition

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

4.3.11.2 Attributes

| | 0 | | 1.346.26.1.1. | | 1. N. 416 . I I. |
|---|-------------------|------------|---------------|-------------|------------------|
| 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 | M | M | - | - | - |
| UnsupportedFeature | | | | | |
| 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 | М | М | - | - |
| ageIndicator | 0 | М | - | - | - |
| lmsi | M | М | - | - | - |
| mobileStationCategory | M | М | М | - | - |
| lMUIdentifier | 0 | M | M | _ | - |
| mNRRMSC | M | M | - | - | - |
| notificationToCSEFlagForODB | 0 | M | - | _ | _ |
| qsmSCFaddresslistForODB | Ö | M | М | - | _ |
| messagesWaitingData | 0 | M | - | | _ |
| mobileStationNotReachableFlag | 0 | M | - | | _ |
| memoryCapacityExceededFlag | M | M | | | - |
| traceReference | O | M | | - | - |
| | | | - | - | - |
| traceType | 0 | M | - | - | - |
| operationsSystemsIdentity | 0 | M | - | - | - |
| hLRTraceType | 0 | M | - | - | - |
| mAPErrorOnTrace | 0 | M | - | - | - |
| traceActivatedInVLR | 0 | M | - | - | - |
| provisionOfBearerService | M | M | M | - | - |
| provisionOfTeleservice | M | M | M | - | - |
| bCAllocation | 0 | M | M | - | - |
| checkSSIndicator | M | M | - | - | - |
| mSPurgedForNonGPRSFlag | M | M | - | - | - |
| barringOfIncomingCalls | 0 | M | M | - | - |
| barringOfPremiumRateCalls | 0 | M | M | - | - |
| barringOfSupplementaryService | 0 | M | M | - | - |
| Management | | | | | |
| barringOfRegistrationOfCall | 0 | M | М | - | - |
| Forwarding | | | | | |
| barringOfInvocationOfCallTransfer | 0 | M | М | - | - |
| vGCSGroupMembershipList | 0 | М | М | - | - |
| vBSGroupMembershipList | 0 | М | М | - | - |
| broadcastCallInitiationAllowedList | 0 | М | М | - | - |
| originatingCAMELSubscription | 0 | M | M | - | - |
| InformationOCSI | | | | | |
| terminatingCAMELSubscription | 0 | М | М | - | - |
| InformationTCSI | | | | | |
| vMSCTerminatingCAMEL | 0 | М | М | _ | - |
| SubscriptionInformationVTCSI | | | | | |
| locationInformationSubscriber | 0 | М | М | - | - |
| StateInformation | | | .,, | | |
| uSSDCAMELSubscription | 0 | М | М | - | - |
| InformationUCSI | | | .,, | | |
| sSInvocationNotificationSSCSI | 0 | М | М | - | _ |
| translationInformationFlagTIFCSI | 0 | M | M | _ | _ |
| STATISTACTOTITITEST MACTOTIT TAGITT COT | | I IVI | 141 | | <u> </u> |

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

4.3.11.3 Attribute constraints

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

4.3.11.4 Notifications

None.

4.3.12 GPRSSServiceProfile

4.3.12.1 Definition

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

4.3.12.2 Attributes

| Attribute name | Support Qualifier | isReadable | isWritable | isInvariant | isNotifyable |
|---|-------------------|------------|------------|-------------|--------------|
| basicMSISDNIndicator | 0 | М | М | - | - |
| mSISDNAlertIndicator | 0 | М | М | - | - |
| vLRNumber | M | М | - | - | - |
| lSAIdentity | 0 | М | М | - | - |
| lsAPriority | 0 | М | М | - | - |
| lSAPreferentialAccessIndicator | 0 | M | М | - | - |
| lSAActiveModeSupportIndicator | 0 | М | М | - | - |
| 1SAOnlyAccessIndicator | 0 | M | М | - | - |
| lSAActiveModeIndicator | 0 | M | М | - | - |
| vPLMNIdentifier | 0 | M | М | - | - |
| ageIndicator | 0 | M | - | - | - |
| sGSNNumber | M | M | - | - | - |
| gGSNNumber | M | M | 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 | 0 | М | М | _ | - |
| SubscriptionInformationMOSMSCSI | | | | | |
| mTShortMessageServiceCAMEL | 0 | М | М | - | - |
| SubscriptionInformationMTSMSCSI | | | | | |
| mOSMSCSISGSNNegotiatedCAMEL | 0 | М | М | - | - |
| CapabilityHandling | | | | | |
| mTSMSCSISGSNNegotiatedCAMEL | 0 | M | M | - | - |
| CapabilityHandling | | | | | |
| mobilityManagementforGPRS | 0 | M | M | - | - |
| eventnotificationMGCSI | | | | | |
| mGCSINegotiatedCAMEL | 0 | M | M | - | - |
| CapabilityHandling | | | | | |
| gPRSCSINegotiatedCAMEL | 0 | M | - | - | - |
| CapabilityHandling | | | | | |
| sGSNSupportedCAMELPhases | 0 | M | - | - | - |
| sGSNOfferedCAMEL4CSIs | 0 | M | - | - | - |
| gsmSCFaddressforCSI | 0 | M | M | - | - |
| gSMSCFaddresslistForODB | 0 | M | M | - | - |
| iPSMGWNumber | 0 | M | - | - | - |
| mNRR-SGSN | 0 | M | - | - | - |
| notificationToCSEFlagForODB | 0 | M | - | - | - |
| Attribute related to role | | | | | |
| theGPRSSupplServiceForGPRSSP | 0 | M | 0 | - | - |

4.3.12.3 Attribute constraints

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

4.3.12.4 Notifications

None.

4.3.13 IMSServiceProfile

4.3.13.1 Definition

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

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

4.3.13.2 Attributes

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

4.3.13.3 Attribute constraints

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

4.3.13.4 Notifications

None.

4.3.14 SubscriptionFunction

4.3.14.1 Definition

This class represents subscription functionality.

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

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

This class contains the reference to its aggregated Users.

This class contains the reference to its aggregated Subscriber Profiles.

4.3.14.2 Attributes

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

4.3.14.3 Attribute constraints

None.

4.3.14.4 Notifications

None.

4.3.15 SuMCSSupplService

4.3.15.1 Definition

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

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

4.3.15.2 Attributes

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

4.3.15.3 Attribute constraints

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

4.3.15.4 Notifications

4.3.16 SuMGPRSSupplService

4.3.16.1 Definition

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

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

4.3.16.2 Attributes

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

4.3.16.3 Attribute constraints

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

4.3.16.4 Notifications

None.

4.3.17 SuMUser

4.3.17.1 Definition

This class represents a User.

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

4.3.17.2 Attributes

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

4.3.17.3 Attribute constraints

4.3.17.4 Notifications

None.

4.3.18 SuMCredentials

4.3.18.1 Definition

This class represents a User's credentials.

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

4.3.18.2 Attributes

| Attribute name | Support Qualifier | isReadable | isWritable | isInvariant | isNotifyable |
|---------------------------|-------------------|------------|------------|-------------|--------------|
| iMSPrivateUserIdentity | M | M | М | - | - |
| Attribute related to role | | | | | |
| thePublicId | M | M | 0 | - | - |
| theServiceProfile | M | 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 |
| | i) name-contained by the same object instance of SuMUser as name-contains the SuMCredentials object instance, and |
| | ii) associated (through the relationship to SuMSubscribedService name- contained by SuMSubscriberProfile) to a single object instance of SuMSubscriberProfile. |
| thePublicId | If the Public I d points to at least one instance of IMSPublic I dentification, the Service Profile of the same object instance of SuMC redentials may not point to any instance of IMSService Profile. |
| | All instances of this relationship from the same object instance of SuMCredentials shall be to object instances of IMSPublicIdentification that are name-contained by object instances of IMSServiceProfile that are |
| | i) name-contained by the same object instance of SuMUser as name-contains the SuMCredentials object instance, and |
| | ii) associated (through the relationship to SuMSubscribedService name- contained by SuMSubscriberProfile) to a single object instance of SuMSubscriberProfile. |

4.3.18.4 Notifications

4.3.19 IMSPublicIdentification

4.3.19.1 Definition

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

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

4.3.19.2 Attributes

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

4.3.19.3 Attribute constraints

None.

4.3.19.4 Notifications

None.

4.3.20 MobileUserData

4.3.20.1 Definition

This class represents user data of a mobile User Equipment.

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

4.3.20.2 Attributes

| Attribute name | Support Qualifier | isReadable | isWritable | isInvariant | isNotifyable |
|-----------------------|-------------------|------------|------------|-------------|--------------|
| theServiceProfile | M | M | 0 | - | - |
| iMSI | M | M | 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 | М | - | - |

4.3.23.3 Attribute constraints

None.

4.3.23.4 Notifications

None.

4.3.24 EPSService

4.3.24.1 Definition

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

4.3.24.2 Attributes

| Attribute name | Support Qualifier | isReadable | isWritable | isInvariant | isNotifyable |
|--|-------------------|------------|------------|-------------|--------------|
| accessPointName | 0 | M | M | - | - |
| access Restriction Data | 0 | M | M | - | - |
| aPNAMBR | M | M | M | - | - |
| barringofPacketOrientedService | 0 | M | M | - | - |
| s contextIdentifier | M | M | M | - | - |
| operatorDeterminedBarringPLMNs | O | M | M | _ | _ |
| pecificData | | 141 | 171 | | |
| pDNAddress | 0 | М | М | - | - |
| rSZILists | 0 | M | М | - | - |
| sTNSR | 0 | М | М | - | - |
| subscribedChargingCharacterist | 0 | M | М | - | - |
| ics | | | | | |
| subscriberStatus | 0 | M | M | - | - |
| networkAccessMode | M | M | М | - | - |
| barringOfOutgoingCalls | 0 | M | M | - | - |
| barringOfRoaming | 0 | M | M | - | - |
| privacyExceptionList | 0 | M | M | - | - |
| gMLCNumbers mOLRList | 0 | M M | M M | - | - |
| serviceTypes | 0 | M M | M | - | |
| iCSIndicator | 0 | M | M | - | - |
| aPNOIReplacement | 0 | M | M | | - |
| subscribedUEAMBR | M | M | M | | - |
| aPNConfigurationProfile | M | M | M | _ | - |
| rFSP | 0 | M | M | _ | _ |
| vPLMNAddressAllowed-EPS | M | M | M | - | _ |
| pDNGWIdentity | 0 | M | M | _ | - |
| ePSPDNConnectionChargingCharac | 0 | M | M | - | - |
| teristics | | | | | |
| pDNGWAllocationType | M | M | M | - | - |
| aPNLevelAPNOIReplacement | 0 | M | M | - | - |
| closedSubscriberGroupInformati | 0 | M | M | - | - |
| on | | | | | |
| listofauthorizedvisitednetwork | 0 | M | M | - | - |
| identifiers staticWLANUERemoteIPAddressLis | 0 | N 4 | N 4 | | |
| staticwLanuERemotelPAddressLis | 0 | М | M | - | - |
| w-APNBarringTypeList | 0 | М | M | - | _ |
| w-APNChargingDataList | 0 | M | M | _ | _ |
| wLANUERemoteIPAddress | 0 | M | M | - | _ |
| accessDependenceFlag | Ö | M | M | _ | _ |
| chargingCharacteristics | 0 | M | M | - | - |
| primaryOCSChargingFunctionName | 0 | M | М | - | - |
| secondaryOCSChargingFunctionNa | 0 | M | М | - | - |
| me | | | | | |
| primaryChargingCollectionFunct | 0 | M | M | - | - |
| ionName | | | | | |
| secondaryChargingCollectionFun | 0 | M | M | - | - |
| ctionName | | | | | |
| w-APNIdentifierList | 0 | M | M | - | - |
| maxNumberAccessesList | 0 | M | M | - | - |
| maxSubscribedBandwidth | 0 | M | M | - | - |
| subscribed3GPPWLANQoSProfile | 0 | M | M | - | - |
| permanentUserIdentity mIPSubscriberProfile | 0 | M | M | - | - |
| | 0 | M | M | - | - |
| accessRestrictionData | 0 | M | M | - | - |

4.3.24.3 Attribute constraints

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

4.3.24.4 Notifications

None.

4.3.25 EPSSubscribedService

4.3.25.1 Definition

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

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

4.3.25.2 Attributes

| AccessPointName | Attribute name | Support Qualifier | isReadable | isWritable | isInvariant | isNotifyable |
|--|-----------------------------------|-------------------|------------|------------|-------------|--------------|
| APRABER | accessPointName | | М | М | - | - |
| APRABER | access Restriction Data | | М | М | - | - |
| | aPNAMBR | | | | - | - |
| contextIdentifier M M M - - operatorDeterminedBarringPLMNspec O M M - - ificData DDNAddress O M M - - sTNSR O M M - - - subscriberStatus O M M - - - barringOfOutgoingCalls O M M - - - barringOfSoaming O M M - <td>barringofPacketOrientedServices</td> <td>0</td> <td></td> <td>М</td> <td>-</td> <td>-</td> | barringofPacketOrientedServices | 0 | | М | - | - |
| Display | | | | | - | - |
| | operatorDeterminedBarringPLMNspec | | | | _ | - |
| STNSR | | | ••• | | | |
| STNSR | pDNAddress | 0 | М | М | - | - |
| gTMSR O M M . . subscribedChargingCharacteristics O M M . . subscriberStatus O M M . . networkAccessMode M M M . . barringOfOutgoingCalls O M M . . barringOfOutgoingCalls O M M . . barringOfOutgoingCalls O M M . . barringOfOutgoingCharacter O M M . . . barringOfOutgoingCharacter O M M . | rSZILists | 0 | М | М | - | - |
| subscribedCharqingCharacteristics O M M - - networkAccessMode M M M - - barringOfOutgoingCalls O M M - - barringOfRoaming O M M - - privacyExceptionList O M M - - mCNUmbers O M M - - mCNUmbers O M M - - mCLSList O M M - - icSlidicator O M M - - opNCRIBELacement O M M - - - opNCROMIGentacter O M M M - | sTNSR | 0 | | | - | - |
| subscriberStatus O M M - - networkAccessMode M M M - - barringOfOutgoingCalls O M M - - barringOfRoaming O M M - - privacyExceptionList O M M - - gMLCNumbers O M M - - mCSINSTER O M M - - mCSIndicator O M M - - subscribedDEAMBR O M M - - - aPNConfigurationProfile M M M - | subscribedChargingCharacteristics | _ | | | - | - |
| DetworkAccessMode | | | | | - | - |
| DarringOfOutgoingCalls | | | | | | _ |
| DarringOfRoaming | | | | | _ | _ |
| privacyExceptionList O M M - - gMLCNumbers O M M - - mORRList O M M - - serviceTypes O M M - - icSIndicator O M M - - aPMOIREJacement O M M - - subscribedUEANBR M M M M - - aPMConfigurationProfile M M M M - - rFSP O M M M - - - vPLMNAddressAllowed-EPS M M M M - | | | | | | _ |
| gMLCNumbers O M M - - mOLRList O M M - - serviceTypes O M M - - iCSIndicator O M M - - aPNOIReplacement O M M - - aPNConfigurationProfile M M M - - aPNConfigurationProfile M M M M - - aPNConfigurationProfile M M M M - - - aPNLonfigurationProfile M M M - | | | | | | _ |
| moleculate O M M - - serviceTypes O M M - - icSIndicator O M M - - aPNOIReplacement O M M - - subscribedUEAMBR M M M - - subscribedJuEAMBR M M M - - spondingurationProfile M M M - - vPLMNAddressAllowed-EPS M M M - - - vPLMNAddressAllowed-EPS M M M - | | | | | | |
| ServiceTypes | | | | | - | - |
| ICSIndicator | | | | | - | - |
| APNOIReplacement | | | | | | |
| subscribedUEAMBR M M M - - aPNConfigurationProfile M M M - - rFSP O M M - - vPLMNAddressAllowed-EPS M M M - - pDNGMIdentity O M M - - - ePSPDNContectionChargingCharacter O M M - <t< td=""><td></td><td></td><td></td><td></td><td>-</td><td>-</td></t<> | | | | | - | - |
| aPNConfigurationProfile M M M - - rFSP O M M - - vPLMNAddressAllowed-EPS M M M - - vPLMNAddressAllowed-EPS M M M - - pDNGWAllocationChargingCharacter istics O M M - - pDNGWAllocationType istics M M M - - aPNLevelAPNOIReplacement closedSubscriberGroupInformation O M M - - closedSubscriberGroupInformation O M M - - - ulstofauthorizedvisitednetworkide ntifiers O M M - - - wLANUERemotelPaddress O M M - - - wLANUERemotelPaddress O M M - - w-APNEaringTypeList O M M - - w-APNEaringDpList O <t< td=""><td>_</td><td></td><td></td><td></td><td>-</td><td>-</td></t<> | _ | | | | - | - |
| rFSP O M M - - VPLNNAddressAllowed-EPS M M M - </td <td></td> <td></td> <td></td> <td></td> <td>-</td> <td>-</td> | | | | | - | - |
| vPLMNAddressAllowed-EPS M M M - - pDNGWIdentity O M M - - ePSPDNConnectionChargingCharacter istics O M M - - pDNGWAllocationType M M M - - - aPNLevelAPNOIReplacement O M M - | | | | | - | - |
| DDNGWIdentity | | | | | | |
| ePSPDNConnectionChargingCharacter istics O M M - | | | | | - | - |
| Interest | | | | | - | - |
| DNGWAllocationType | | O | M | M | - | - |
| aPNLevelAPNOIReplacement O M M - - closedSubscriberGroupInformation O M M - - Listofauthorizedvisitednetworkide ntifiers O M M - - wLANUERemoteIPaddress O M M - - staticWLANUERemoteIPAddressList O M M - - w-APNBarringTypeList O M M - - w-APNChargingDataList O M M - - accessDependenceFlag O M M - - chargingCharacteristics O M M - - primaryOCSChargingFunctionName O M M - - secondaryChargingCollectionFunction O M M - - nName - - - - w-APNIdentifierList O M M - - max | | | | | | |
| ClosedSubscriberGroupInformation | | | | | - | - |
| Listofauthorizedvisitednetworkide ntifiers WLANUERemoteIPaddress O M M M | | | | | - | - |
| ntifiers WLANUERemoteIPaddress O M M - - staticWLANUERemoteIPAddressList O M M - - w-APNBarringTypeList O M M - - w-APNChargingDataList O M M - - accessDependenceFlag O M M - - - chargingCharacteristics O M M - <td></td> <td></td> <td></td> <td></td> <td>-</td> <td>-</td> | | | | | - | - |
| wLANUERemoteIPaddress O M M - - staticWLANUERemoteIPAddressList O M M - - w-APNBarringTypeList O M M - - w-APNChargingDataList O M M - - accessDependenceFlag O M M - - chargingCharacteristics O M M - - chargingCharacteristics O M M - - primaryOCSChargingFunctionName O M M - - primaryChargingCollectionFunction O M M - - Name SecondaryChargingCollectionFunction O M M - - secondaryChargingCollectionFunction O M M - - secondaryChargingCollectionFunction O M M - - maxNumberAccessesList O M M | | O | M | M | - | - |
| staticWLANUERemoteIPAddressList O M M - - w-APNBarringTypeList O M M - - w-APNChargingDataList O M M - - accessDependenceFlag O M M - - chargingCharacteristics O M M - - primaryOCSChargingFunctionName O M M - - secondaryOCSChargingFunctionName O M M - - primaryChargingCollectionFunctionName O M M - - secondaryChargingCollectionFunctionName O M M - - w-APNIdentifierList O M M - - w-APNIdentifierList O M M - - maxSubscribedBandwidth O M M - - subscribed3GPPWLANQoSProfile O M M - - <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | |
| w-APNBarringTypeList O M M - - w-APNChargingDataList O M M - - accessDependenceFlag O M M - - chargingCharacteristics O M M - - primaryOcsChargingFunctionName O M M - - secondaryChargingCollectionFunction Name O M M - - w-APNIdentifierList O M M - - w-APNIdentifierList O M M - - maxSubscribedBandwidth O M M - - maxSubscribedBandwidth O M M - | | _ | | | - | - |
| w-APNChargingDataList O M M - - accessDependenceFlag O M M - - chargingCharacteristics O M M - - primaryOCSChargingFunctionName O M M - - secondaryOCSChargingFunctionName O M M - - primaryChargingCollectionFunctionName O M M - - secondaryChargingCollectionFunctionName O M M - - secondaryChargingCollectionFunctionName O M M - - w-APNIdentifierList O M M - - maxNumberAccessesList O M M - - maxSubscribedBandwidth O M M - - subscribed3GPPWLANQoSProfile O M M - - permanentUserIdentity O M M - | | | | | - | - |
| accessDependenceFlag | | | | | - | - |
| chargingCharacteristics O M M - - primaryOCSChargingFunctionName O M M - - secondaryOCSChargingFunctionName O M M - - primaryChargingCollectionFunctionName O M M - - secondaryChargingCollectionFunctionName O M M - - w-APNIdentifierList O M M - - maxNumberAccessesList O M M - - maxSubscribed3GPPWLANQoSProfile O M M - - permanentUserIdentity O M M - - mIPSubscriberProfile O M M - - | | | | | - | - |
| primaryOCSChargingFunctionName O M M - - secondaryOCSChargingFunctionName O M M - - primaryChargingCollectionFunctionName O M M - - secondaryChargingCollectionFunctionName O M M - - w-APNIdentifierList O M M - - maxNumberAccessesList O M M - - maxSubscribedBandwidth O M M - - subscribed3GPPWLANQoSProfile O M M - - permanentUserIdentity O M M - - mIPSubscriberProfile O M M - - | | | | | - | - |
| secondaryOCSChargingFunctionName O M M | chargingCharacteristics | 0 | M | M | - | - |
| primaryChargingCollectionFunction O M M - - secondaryChargingCollectionFuncti O M M - - onName W-APNIdentifierList O M M - - w-APNIdentifierList O M M - - maxNumberAccessesList O M M - - maxSubscribedBandwidth O M M - - subscribed3GPPWLANQoSProfile O M M - - permanentUserIdentity O M M - - mIPSubscriberProfile O M M - - | 1 3 3 | | | | - | - |
| Name M M - - secondaryChargingCollectionFuncti O M M - - onName W-APNIdentifierList O M M - - maxNumberAccessesList O M M - - maxSubscribedBandwidth O M M - - subscribed3GPPWLANQoSProfile O M M - - permanentUserIdentity O M M - - mIPSubscriberProfile O M M - - | | | | | - | - |
| secondaryChargingCollectionFuncti O M M - - onName w-APNIdentifierList O M M - - w-APNIdentifierList O M M - - maxNumberAccessesList O M M - - maxSubscribedBandwidth O M M - - subscribed3GPPWLANQoSProfile O M M - - permanentUserIdentity O M M - - mIPSubscriberProfile O M M - - | | 0 | M | M | - | - |
| onName W-APNIdentifierList O M M - - maxNumberAccessesList O M M - - maxSubscribedBandwidth O M M - - subscribed3GPPWLANQoSProfile O M M - - permanentUserIdentity O M M - - mIPSubscriberProfile O M M - - | | | | | | |
| w-APNIdentifierList O M M - - maxNumberAccessesList O M M - - maxSubscribedBandwidth O M M - - subscribed3GPPWLANQoSProfile O M M - - permanentUserIdentity O M M - - mIPSubscriberProfile O M M - - | | 0 | M | M | - | - |
| maxNumberAccessesList O M M - - maxSubscribedBandwidth O M M - - subscribed3GPPWLANQoSProfile O M M - - permanentUserIdentity O M M - - mIPSubscriberProfile O M M - - | | | | | | |
| maxSubscribedBandwidth O M M - - subscribed3GPPWLANQoSProfile O M M - - permanentUserIdentity O M M - - mIPSubscriberProfile O M M - - | | | | | - | - |
| subscribed3GPPWLANQoSProfile O M M - - permanentUserIdentity O M M - - mIPSubscriberProfile O M M - - | | | M | M | - | - |
| permanentUserIdentity O M M MIPSubscriberProfile O M M | maxSubscribedBandwidth | 0 | M | M | - | - |
| mIPSubscriberProfile O M M | | | | | - | - |
| | | 0 | M | M | - | - |
| accessRestrictionData O M M | mIPSubscriberProfile | 0 | M | M | - | - |
| | accessRestrictionData | 0 | М | М | - | - |

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 mana | Summart Ovalition | io Doodokla | ia\A/ritalala | ialmyaniant | ia Natifica bla |
|-------------------------------------|-------------------|-------------|---------------|-------------|-----------------|
| Attribute name | Support Qualifier | isReadable | isWritable | isInvariant | isNotifyable |
| aPNAMBR | M | M | M | - | - |
| contextIdentifier | M | M | M | - | - |
| pDNAddress | 0 | M | M | - | - |
| aPNOIReplacement | 0 | M | M | - | - |
| subscribedUEAMBR | M | M | M | - | - |
| aPNConfigurationProfile | M | M | M | - | - |
| rFSP | 0 | M | M | - | - |
| pDNGWIdentity | 0 | M | M | - | - |
| ePSPDNConnectionChargingCharacteris | 0 | M | M | - | - |
| tics | | | | | |
| vPLMNAddressAllowed-EPS | M | M | M | - | - |
| pDNGWAllocationType | M | M | M | - | - |
| aPNLevelAPNOIReplacement | 0 | M | M | - | - |
| roamingRestrictionDueToUnsupportedF | M | M | - | - | - |
| eatureMME | | | | | |
| roamingRestrictionDueToUnsupportedF | M | М | - | - | - |
| eatureSGSN | | | | | |
| mSPurgedForEPSFlag | M | М | - | - | - |
| urrpmme | 0 | M | - | - | - |
| mMEName | M | M | - | - | - |
| sGSNName | M | M | - | - | - |
| iWFNumber | 0 | M | - | - | - |
| sGSNAreaRestrictedFlag | M | М | - | - | - |
| Attribute related to role | | | | | |
| theOptHandover3GPP2Par | M | М | 0 | - | - |
| theNon3GPPAccessPar | M | М | 0 | - | - |
| | | | | | |

4.3.26.3 Attribute constraints

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

4.3.26.4 Notifications

4.3.27 PSCommonServiceProfile

4.3.27.1 Definition

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

4.3.27.2 Attributes

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

4.3.27.3 Attribute constraints

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

4.3.27.4 Notifications

4.3.28 IWANParameters

4.3.28.1 Definition

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

4.3.28.2 Attributes

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

4.3.28.3 Attribute constraints

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

4.3.28.4 Notifications

4.3.29 OptHandover3GPP2Parameters

4.3.29.1 Definition

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

4.3.29.2 Attributes

| Attribute name | Support Qualifier | isReadable | isWritable | isInvariant | isNotifyable |
|----------------|-------------------|------------|------------|-------------|--------------|
| rATType | 0 | M | 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 | М | 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 | М | M | - | - |
| barringOfOutgoingCalls | 0 | M | M | - | - |
| barringOfRoaming | 0 | М | M | - | - |
| operatorDeterminedBarringPLMNs pecificData | 0 | M | M | - | - |
| - | 0 | | | | |
| traceReference2 | 0 | M | - | - | - |
| traceDepth | 0 | M | - | - | - |
| listOfNETypestoTrace | 0 | M | - | - | - |
| triggeringEvents | 0 | M | - | - | - |
| listOfInterfacesToTrace | 0 | M | - | - | - |
| privacyExceptionList | 0 | M | M | - | - |
| gMLCNumbers | 0 | M | M | - | - |
| iCSIndicator | 0 | М | M | - | - |
| mOLRList | 0 | М | M | - | - |
| serviceTypes | 0 | M | M | - | - |
| networkAccessMode | M | M | 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 |
| | 1) An MSISDN number (string) | isUnique: N/A |
| | 2) A multinumberingMSISDNIndicator which can be | default/value: None |
| | one of two choices: | isNullable: False |
| | a. "BASIC" | isivaliable. I alse |
| | b. "ALERT" | |
| | D. ALLINI | |
| | allowedValues: N/A | |
| | allowed values. 14/7(| |
| 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 | defaultValue: None |
| | | isNullable: False |
| lMUIdentifier | 23.008 clause 2.2.2 | type: String |
| Inoraciicirici | 25.000 Gause 2.2.2 | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | alloweuvalues. IV/A | |
| | | isNullable: False |

| Chennor | 100,000,1,000 | l. O. : |
|--------------------------|--|--------------------------------|
| iMEISV | 23.008 clause 2.2.3 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | - H | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | 00.000 1 0.440 | isNullable: False |
| subscriptionRestriction | 23.008 clause 2.4.10 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | H D. () A () | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| rSZIlists | 23.008 clause 2.4.11.1 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | H D/ L AI/A | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| 007 7 1 1 171 | 00.000 1 0.440 | isNullable: False |
| mSCAreaRestrictedFlag | 23.008 clause 2.4.12 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | H 107 1 N/A | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| ggv. | 00000 | isNullable: False |
| sGSNarearestrictedflag | 23.008 clause 2.4.14 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| oDBinducedBarringData | 23.008 clause 2.4.15.1 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | 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 | | type: String |
| SNduetounsupportedfeatur | | multiplicity: 1 |
| е | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| lSAIdentity | 23.008 clause 2.4.17.1 | type: String |
| | | 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 |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| 102D | | type: String |
| | 23.008 clause 2.4.17.2A | |
| icator | 23.008 clause 2.4.17.2A | multiplicity: 1 |
| | 23.008 clause 2.4.17.2A | |
| | 23.008 clause 2.4.17.2A | multiplicity: 1 |
| | 23.008 clause 2.4.17.2A allowedValues: N/A | multiplicity: 1 isOrdered: N/A |

| lSAActiveModeSupportIndi | 23 008 clause 2 4 17 2B | type: String |
|--------------------------|-------------------------|-------------------------------------|
| cator | 23.000 Clause 2.4.17.2b | multiplicity: 1 |
| Cator | | isOrdered: N/A |
| | | |
| | allowedValues: N/A | isUnique: N/A defaultValue: None |
| | allowed values. N/A | |
| 1 C 7 O - 1 - 7 7 1 - 1 | 00.000 1 0.447.0 | isNullable: False |
| lSAOnlyAccessIndicator | 23.008 clause 2.4.17.3 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| lSAActiveModeIndicator | 23.008 clause 2.4.17.4 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| vPLMNIdentifier | 23.008 clause 2.4.17.5 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | 3 | isNullable: False |
| accessRestrictionData | 23.008 clause 2.4.18 | type: String |
| decessiveserieeronbaea | 25.000 clause 2.4.10 | multiplicity: 1 |
| | | lisOrdered: 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 |
| | | isNullable: False |
| sGSNNumber | 23.008 clause 2.4.8.1 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| gGSNNumber | 23.008 clause 2.4.8.2 | type: String |
| 3 | 20.000 010000 2.7.0.2 | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | allowed values. IN/A | isNullable: False |
| provisionOfBearerService | 22 009 played 2 5 1 | |
| provisionOrmearerservice | 23.000 Clause 2.3.1 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| provisionOfTeleservice | 23.008 clause 2.5.2 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| • | • | |

| 1 07 17 | 00.000 1 0.50 | |
|------------------------|-----------------------|--------------------|
| bCAllocation | 23.008 clause 2.5.3 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | anoviou valuos. 14/7 | isNullable: False |
| transferofSMoption | 23.008 clause 2.5.4 | |
| ClansleroisMopClon | 23.008 clause 2.5.4 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| mNRG | 23.008 clause 2.7.2 | type: String |
| IIINKG | 23.000 Gause 2.7.2 | |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| checkSSIndicator | 23.008 clause 2.7.4.4 | type: String |
| | 20.000 0lau00 2.7.7.7 | multiplicity: 1 |
| | | |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| mSPurgedForNonGPRSFlag | 23.008 clause 2.7.5 | type: String |
| | 25.000 010000 2.7.0 | multiplicity: 1 |
| | | |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| mSpurgedforGPRSflag | 23.008 clause 2.7.6 | type: String |
| mopargearor normag | 25.000 Gladse 2.7.0 | multiplicity: 1 |
| | | |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| mNRRMSC | 23.008 clause 2.7.7 | type: String |
| | 20.000 014436 2.7.7 | multiplicity: 1 |
| | | isOrdered: N/A |
| | | |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| subscriberStatus | 23.008 clause 2.8.1 | type: String |
| | 25.555 514455 2.5.1 | multiplicity: 1 |
| | | |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| barringOfOutgoingCalls | 23.008 clause 2.8.2.1 | type: String |
|] | | multiplicity: 1 |
| | | |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| barringOfIncomingCalls | 23.008 clause 2.8.2.2 | type: String |
| J | | multiplicity: 1 |
| | | |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| barringOfRoaming | 23.008 clause 2.8.2.3 | type: String |
| J : | 25.556 6.4466 2.6.2.6 | multiplicity: 1 |
| | | |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| L | | 1.5. (4.100 |

| barringOfPremiumRateCall | 23.008 clause 2.8.2.4 | type: String |
|--------------------------|-----------------------|--------------------|
| s | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| barringOfSupplementarySe | 23 008 clause 2 8 2 5 | type: String |
| rviceManagement | 25.000 014450 2.0.2.5 | multiplicity: 1 |
| TVICeManagement | | |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| barringOfRegistrationOfC | 22.000 days 2.0.2.6 | 10110101010101 |
| | 23.006 Clause 2.6.2.6 | type: String |
| allForwarding | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | allowed values. 14/7 | |
| | | 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 |
| 01.1000 | | isOrdered: N/A |
| | | |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| operatorDeterminedBarrin | 23 008 dauga 2 8 3 | type: String |
| | 23.006 Clause 2.6.3 | |
| gPLMNspecificData | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | anowed values. 14/1 | isNullable: False |
| . '. C.' ' | 00.000 1 00.4 | |
| notificationToCSEFlagFor | 23.008 clause 2.8.4 | type: String |
| ODB | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | allowed values. IV/A | |
| | | isNullable: False |
| gsmSCFaddresslistForODB | 23.008 clause 2.8.5 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | |
| | II N. I. ALIA | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| messagesWaitingData | 23.008 clause 2.10.1 | type: String |
| | 25.555 5.4466 2.1611 | multiplicity: 1 |
| | | |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| mobileStationNotReachabl | 23 008 clause 2 10 2 | |
| | 23.000 Clause 2.10.2 | type: String |
| eFlag | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| | 00000 | |
| memoryCapacityExceededFl | 23.008 clause 2.10.3 | type: String |
| ag | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | | |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| | | |

| L | 00 000 -1 0 44 4 | to an an Otalia a |
|----------------------------------|------------------------|---------------------|
| 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 |
| | allawa d\/alwa av NI/A | defaultValue: None |
| | allowedValues: N/A | |
| | | isNullable: False |
| operationsSystemsIdentit | 23.008 clause 2.11.3 | type: String |
| У | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | anowa valuos. 14/7 | isNullable: False |
| la I Difference of a filter of a | 00 000 -1 0 44 4 | |
| hLRTraceType | 23.008 clause 2.11.4 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| mAPErrorOnTrace | 23.008 clause 2.11.5 | type: String |
| | 20.000 010000 2.111.0 | multiplicity: 1 |
| | | isOrdered: N/A |
| | | |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| traceActivatedInVLR | 23.008 clause 2.11.6 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | allowed values. N/A | |
| | | isNullable: False |
| traceActivatedinSGSN | 23.008 clause 2.11.7 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | anovou valado. 14/7 t | isNullable: False |
| vGCSGroupMembershipList | 23.008 clause 2.12.1 | . 0.: |
| Agenot orbitetimer stirbing (| 23.000 Glause 2.12.1 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| vBSGroupMembershipList | 23.008 clause 2.12.2 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowed Value of NI/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 |
| | anomou raidoo. 14/11 | isNullable: False |
| DDT mo | 00 000 playing 0.40.4 | |
| pDPType | 23.008 clause 2.13.1 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| L | 1 | 1.0. 10001011 0.100 |

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

| 1 '1'' 1' 15 GDD | 0.000 1 0.44.4.0/0.44.4.4 | l. o.: |
|--------------------------|----------------------------------|--------------------|
| | 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 | 25.000 Gause 2.14.1.2 | multiplicity: 1 |
| CIONINIONMACIONICSI | | |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| vMSCTerminatingCAMELSubs | 23.008 clause 2.14.1.2/3.2 | type: String |
| criptionInformationVTCSI | | multiplicity: 1 |
| _ | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | allowed values. IV/A | |
| 7 | | isNullable: False |
| | 23.008 clause 2.14.1.3 | type: String |
| riberStateInformation | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| uSSDCAMELSubscriptionInf | 23 008 clause 2 14 1 4 | type: String |
| ormationUCSI | 20.000 Glause 2.17.1.4 | multiplicity: 1 |
| OTHIACTORIOCST | | |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| sSInvocationNotification | 23.008 clause 2.14.1.5/3.2 | type: String |
| SSCSI | 20.000 0.0000 2.1 111.0, 0.2 | multiplicity: 1 |
| | | isOrdered: N/A |
| | | |
| | - H N / - I N I / A | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| translationInformationFl | 23.008 clause 2.14.1.6/3.6 | type: String |
| agTIFCSI | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| shortMessageServiceCAMEL | 22 009 days 2 14 1 9/2 14 2 5 | . 0 |
| | 23.000 Clause 2.14.1.0/2.14.3.3 | type: String |
| SubscriptionInformationM | | multiplicity: 1 |
| OSMSCSI | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| mOShortMessageServiceCAM | 23.008 clause 2.14.1.8/2.14.4.1 | type: String |
| ELSubscriptionInformatio | | multiplicity: 1 |
| nMOSMSCSI | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | |
| | allowed values. IV/A | defaultValue: None |
| | | isNullable: False |
| shortMessageServiceCAMEL | 23.008 clause 2.14.1.9/2.14.3.6 | type: String |
| SubscriptionInformationM | | multiplicity: 1 |
| TSMSCSI | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| mTShortMessageServiceCAM | 22 008 dayso 2 14 1 0/2 14 4 2 | |
| | 23.000 Glause 2.14.1.3/2.14.4.2. | type: String |
| ELSubscriptionInformatio | | multiplicity: 1 |
| nMTSMSCSI | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| | | • |

| | | · |
|--------------------------|-------------------------|--------------------|
| gPRSCSINegotiatedCAMELCa | 23.008 clause 2.14.2.1 | type: String |
| pabilityHandling | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | allowed values. IV/A | |
| | | isNullable: False |
| mCSINegotiatedCAMELCapab | 23.008 clause 2.14.2.1 | type: String |
| ilityHandling | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | allowed values. N/A | |
| | | isNullable: False |
| mGCSINegotiatedCAMELCapa | 23.008 clause 2.14.2.1 | type: String |
| bilityHandling | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | allowed values. N/A | |
| | | isNullable: False |
| mOSMSCSISGSNNegotiatedCA | 23.008 clause 2.14.2.1 | type: String |
| MELCapabilityHandling | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | allowed values. IV/A | |
| | | isNullable: False |
| mOSMSCSIVLRNegotiatedCAM | 23.008 clause 2.14.2.1 | type: String |
| ELCapabilityHandling | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | allowed values. N/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 | defaultValue: None |
| | alloweuvalues. N/A | |
| | | isNullable: False |
| mTSMSCSIVLRNegotiatedCAM | 23.008 clause 2.14.2.1 | type: String |
| ELCapabilityHandling | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | allowed values. IN/A | |
| | | isNullable: False |
| oCSINegotiatedCAMELCapab | 23.008 clause 2.14.2.1 | type: String |
| ilityHandling | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | alioweuvalues. IV/A | |
| | | isNullable: False |
| sSCSINegotiatedCAMELCapa | 23.008 clause 2.14.2.1 | type: String |
| bilityHandling | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | allowed values. IV/A | |
| | | isNullable: False |
| vTCSINegotiatedCAMELCapa | 23.008 clause 2.14.2.1 | type: String |
| bilityHandling | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowed\/aluga; N/A | |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| SGSNOfferedCAMEL4CSIs | 23.008 clause 2.14.2.2A | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| | | |

| I DOFF JONNEL ACCT | 00 000 -1 0 44 0 04 | to an according to |
|-----------------------------|-------------------------|---------------------|
| 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 |
| BobNbappor cederandir nabeb | 23.000 Clause 2.14.2.2 | |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| vLRSupportedCAMELPhases | 23.008 clause 2.14.2.2 | type: String |
| VERBappor coderniedrinases | 25.000 01005 2.14.2.2 | 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 | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| iSTAlertTimer | 23.008 clause 2.15.1 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | |
| | H | 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 |
| | II D./ I NI/A | |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| gMLCNumbers | 23.008 clause 2.16.1.2 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowed\/aluga: 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 | IdefaultValue: None |
| | allowed values. IN/A | |
| | | isNullable: False |
| serviceTypes | 23.008 clause 2.16.1.4 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | IdefaultValue: None |
| | allowed values. IV/A | |
| | | isNullable: False |
| ageIndicator | 23.008 clause 2.17.1 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowed Values: N/A | |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |

| cSAllocationRetentionpri | 23.008 clause 2.18.1 | type: String |
|--------------------------|---|-----------------------------------|
| ority | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | |
| | H | 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 |
| | | |
| | H | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| iMSPrivateUserIdentity | 23.008 clause 3.1.1 | type: String |
| _ | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | |
| | allowed values: N/A | defaultValue: None |
| | | isNullable: False |
| publicUserIdentity | 23.008 clause 3.1.2 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowed\/aluga, N/A | default/cluer News |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| barringIndication | 23.008 clause 3.1.3 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | - II | |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| listofauthorizedvisitedn | 23.008 clause 3.1.4 | type: String |
| etworkidentifiers | 23.008 clause 3B.1.4 | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | | defaultValue: None |
| | - II | |
| | 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 |
| | allowed values. TV/A | isNullable: False |
| CCCTV | 00.000 1 0.00 | |
| 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 |
| | 20.000 Gause 3.2.3 | |
| 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 |
| SOT ACT CABADITIONES | 20.000 dauge o.t. i | |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| initialFilterCriteriaLis | This attribute is a list which contains multiple items of | type: < <datatype>></datatype> |
| t | initialFilterCriteria (Ref. 23.008 clause 3.5.2) | multiplicity: 1* |
| Ĭ | 111101a1F11CE1CI1CE11a (NGI. 23.000 Clause 3.3.2) | |
| | | isOrdered: False |
| | It is a set of initialFilterCriteria (string) | isUnique: True |
| | | defaultValue: None |
| | allowedValues: N/A | isNullable: True |
| | | |
| | 1 | 1 |

| applicationServerInforma | 23.008 clause 3.5.3 | type: String |
|------------------------------|--|---|
| tion | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| serviceIndicationList | This attribute is a list which contains multiple items of | |
| Selvice indication in its | 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 |
| | | defaultValue: None |
| | | isNullable: True |
| | allowedValues: N/A | |
| | | |
| subscribedMediaProfileId | 23 008 clause 3 6 1 | type: String |
| entifier | 20.000 0.000 0.0.1 | multiplicity: 1 |
| CHETTICI | | 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 | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | | defaultValue: None |
| | allowedValues: N/A | isNullable: False |
| | allowed values. N/A | Ishullable. False |
| 1 | | |
| secondaryEventChargingFu | | type: String |
| nctionName | 23.008 clause 3B.7.5 | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | | defaultValue: None |
| | allowedValues: N/A | isNullable: False |
| | allowed values. N/A | isivaliable. I alse |
| primaryChargingCollectio | 22 000 clause 2 7 2 | tuno. Ctring |
| nFunctionName | 23.006 Clause 3.7.3 | type: String |
| nrunctionname | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| secondaryChargingCollect | 23.008 clause 3.7.4 | type: String |
| ionFunctionName | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowed\/aluga, N/A | |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| gsmSCFaddressforIMCSI | 23.008 clause 3.8.4 | type: String |
| | | multiplicity: 1 |
| | | |
| | | isOrdered: N/A |
| | | |
| | allowedValues: N/A | isUnique: N/A |
| | allowedValues: N/A | isUnique: N/A defaultValue: None |
| iMCCEnddrogaforIMCCT | | isUnique: N/A defaultValue: None isNullable: False |
| iMSSFaddressforIMCSI | allowedValues: N/A 23.008 clause 3.8.5 | isUnique: N/A defaultValue: None isNullable: False type: String |
| iMSSFaddressforIMCSI | | isUnique: N/A defaultValue: None isNullable: False type: String multiplicity: 1 |
| iMSSFaddressforIMCSI | | isUnique: N/A defaultValue: None isNullable: False type: String multiplicity: 1 isOrdered: N/A |
| iMSSFaddressforIMCSI | 23.008 clause 3.8.5 | isUnique: N/A defaultValue: None isNullable: False type: String multiplicity: 1 isOrdered: N/A isUnique: N/A |
| iMSSFaddressforIMCSI | | isUnique: N/A defaultValue: None isNullable: False type: String multiplicity: 1 isOrdered: N/A |
| iMSSFaddressforIMCSI | 23.008 clause 3.8.5 | isUnique: N/A defaultValue: None isNullable: False type: String multiplicity: 1 isOrdered: N/A isUnique: N/A |
| | 23.008 clause 3.8.5 allowedValues: N/A | isUnique: N/A defaultValue: None isNullable: False type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False |
| iMSSFaddressforIMCSI OIMCSI | 23.008 clause 3.8.5 | isUnique: N/A defaultValue: None isNullable: False type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False type: String |
| | 23.008 clause 3.8.5 allowedValues: N/A | isUnique: N/A defaultValue: None isNullable: False type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False type: String multiplicity: 1 |
| | 23.008 clause 3.8.5 allowedValues: N/A | isUnique: N/A defaultValue: None isNullable: False type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False type: String multiplicity: 1 isOrdered: N/A |
| | 23.008 clause 3.8.5 allowedValues: N/A 23.008 clause 3.8.1 | isUnique: N/A defaultValue: None isNullable: False type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False type: String multiplicity: 1 isOrdered: N/A isUnique: N/A |
| | 23.008 clause 3.8.5 allowedValues: N/A | isUnique: N/A defaultValue: None isNullable: False type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False type: String multiplicity: 1 isOrdered: N/A |

| vTIMCSI | 23.008 clause 3.8.2 | type: String |
|----------------------------|----------------------|-----------------------|
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| dIMCS | 23.008 clause 3.8.3 | type: String |
| | 20.000 01000 0.0.0 | multiplicity: 1 |
| | | |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| gAAServiceType | 23.008 clause 3A.1 | type: String |
| gAABCI VICCI YPC | 23.000 Gause 3A. I | |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| ann Commissa Talambi Eirea | 00 000 -1 04 0 | |
| gAAServiceIdentifier | 23.008 clause 3A.2 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | anomou valado. 14/1 | isNullable: False |
| -Daties and a single | 00.000 1 04.0 | |
| gBAUserSecuritySettings | 23.008 clause 3A.3 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | allowed values. IVA | |
| | | isNullable: False |
| userSecuritySetting | 23.008 clause 3A.4 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowed (always 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 |
| | II D. I. ALIA | |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| gAAAuthorizationflag | 23.008 clause 3A.6 | type: String |
|] | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | |
| | II N/ 1 N/A | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| keyLifetime | 23.008 clause 3A.8 | type: String |
| ⁻ | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| uICCSecuritySetting | 23.008 clause 3A.9 | type: String |
| | | multiplicity: 1 |
| | | |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| nAFGroupIdentity | 23.008 clause 3A.11 | type: String |
| | 20.000 014400 0/1.11 | |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| | | ויסו זעוומטוכ. ו מוסכ |

| w-APN | 23.008 clause 3B.1.3 | type: String |
|--------------------------|------------------------|---|
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | anovou valuoo. 14/7 t | 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 |
| | | isNullable: False |
| | | |
| w-APNBarringTypeList | 23.008 clause 3B.5.1.2 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| | | |
| w-APNChargingDataList | 23.008 clause 3B.5.1.3 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | anowou valado. 1471 | |
| | | 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 |
| 1 2 2 | 00 000 1 00 7 4 4 | |
| chargingCharacteristics | 23.008 clause 3B.7.1.1 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| | 00.000 1 00.70 | |
| primaryOCSChargingFuncti | 23.008 clause 3B.7.2 | type: String |
| onName | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| | | |
| secondaryOCSChargingFunc | 23.008 clause 3B.7.3 | type: String |
| tionName | | multiplicity: 1 |
| | | |
| | | isOrdered: N/A |
| l . | | isUnique: N/A |
| | | |
| | allowed\/alues: N/A | default\/alue: None |
| | allowedValues: N/A | defaultValue: None isNullable: False |

| sS-Code | 23.008 clause 2.6 29.002 clause 7.6.4.1 allowedValues: N/A | type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False |
|------------------------|---|---|
| | anomou valuos. 1471 | ior validation i diag |
| provisioningState | 23.008 clause 2.6 29.002 clause 7.6.4.2 allowedValues: N/A | type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False |
| | | |
| activationState | 23.008 clause 2.6 29.002 clause 7.6.4.2 allowedValues: N/A | type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False |
| | allowed values. N/A | isivaliable. I alse |
| registrationState | 23.008 clause 2.6 29.002 clause 7.6.4.2 allowedValues: N/A | type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False |
| | | |
| overrideCategory | 23.008 clause 2.6 29.002 clause 7.6.4.4 allowedValues: N/A | type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False |
| cLIRestrictionOption | 23.008 clause 2.6 29.002 clause 7.6.4.5 allowedValues: N/A | type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False |
| forwarded-toNumber | 23.008 clause 2.6 29.002 clause 7.6.2.22 allowedValues: N/A | type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False |
| forwarded-toSubaddress | 23.008 clause 2.6 29.002 clause 7.6.2.23 allowedValues: N/A | type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False |
| noReplyConditionTimer | 23.008 clause 2.6 29.002 clause 7.6.4.7 | type: String multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None |
| | allowedValues: N/A | isNullable: False |

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|-------------------------|---|--------------------|
| maximumEntitledPriority | 23.008 clause 2.6 | type: String |
| | 29.002 clause 7.6.4.41 | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | | defaultValue: None |
| | allowedValues: N/A | isNullable: False |
| | allowed values. N/A | isivullable. Faise |
| defaultPriority | 23.008 clause 2.6 | type: String |
| | 29.002 clause 7.6.4.41 | multiplicity: 1 |
| | 25.002 614436 7.0.4.41 | isOrdered: N/A |
| | | isUnique: N/A |
| | | defaultValue: None |
| | = H = · · · = -!\ / = I · · = - · \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | |
| | allowedValues: N/A | isNullable: False |
| nbrUser | 23.008 clause 2.6 | type: String |
| IIDI OSCI | 29.002 clause 7.6.4.47 | multiplicity: 1 |
| | 29.002 clause 7.6.4.47 | isOrdered: N/A |
| | | |
| | | isUnique: N/A |
| | | defaultValue: None |
| | allowedValues: N/A | isNullable: False |
| nhrCD | 22.000 aloues 2.0 | A a. Chain a |
| nbrSB | 23.008 clause 2.6 | type: String |
| | 29.002 clause 7.6.4.47 | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | | defaultValue: None |
| | allowedValues: N/A | isNullable: False |
| T 7 5 | 20,000,01 | |
| TraceReference2 | 23.008 Clause 2.11.9 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| TraceDepth | 23.008 Clause 2.11.10 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| ListofNeTypestoTrace | 23.008 Clause 2.11.11 | type: String |
| | 20.000 0.0000 2.11111 | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | anoved values. IV/A | isNullable: False |
| TriggoringErrents | 22 009 Clause 2 44 42 | |
| TriggeringEvents | 23.008 Clause 2.11.12 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| ListofInterfacestoTrace | 23.008 Clause 2.11.13 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| iCSIndicator | 23.008 Clause 2.20.1 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
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| iCSIndicator | 23.008 Clause 2.20.1 | type: String |
|---------------------------------|------------------------|----------------------|
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| sTNSR | 23.008 Clause 2.21.1 | type: String |
| SINDI | 23.000 Clause 2.21.1 | |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | allowed values. 14/71 | |
| | | isNullable: False |
| 3GPPAAAProxyName | 23.008 Clause 3B.1.5 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | - II N I / A | |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| w-APNIdentifierList | 23.008 Clause 3B.5.1.1 | type: String |
| 1 | | multiplicity: 1 |
| | | |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| maxNumberAccessesList | 22.009 Clause 2D E 4 E | |
| maxNumberAccessesL1st | 23.008 Clause 3B.5.1.5 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | allowed values. IV/A | |
| | | isNullable: False |
| maxSubscribedBandwidth | 23.008 Clause 3B.6.1 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| subscribed3GPPWLANQoSPro | 22 009 Clause 3B 6 4 | type: String |
| file | 23.000 Clause 3D.0.4 | |
| lille | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | allowed values. 14/71 | |
| | | isNullable: False |
| userStatus | 23.008 Clause 3B.2.1 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | | |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| rATType | 23.008 Clause 2.13.75 | type: String |
| 1 | | multiplicity: 1 |
| | | |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| i DAddmoggOfffree as Colline to | 22.000 Clause 2.44.44 | |
| iPAddressOfTraceCollecti | 23.000 Clause 2.11.14 | type: String |
| onEntity | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | allowed values. IV/A | |
| | | isNullable: False |
| aPNConfigurationProfile | 23.008 Clause 2.13.31 | type: String |
| _ | | multiplicity: 1 |
| | | |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
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| pDNAddress | 23.008 Clause 2.13.39 | type: String |
|------------------------------------|-----------------------|--------------------|
| <u> </u> | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| permanentUserIdentity | 23.008 Clause 2.13.79 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| visitedNetworkIdentifier | 23.008 Clause 2.13.82 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| mIPSubscriberProfile | 23.008 Clause 2.13.86 | type: String |
| | 20.000 0.0000 2.10.00 | multiplicity: 1 |
| | | |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| aPNAMBR | 23.008 Clause 2.13.32 | type: String |
| | 20.000 0.0000 2.10.02 | multiplicity: 1 |
| | | |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| contextIdentifier | 23.008 Clause 2.13.38 | type: String |
| | 20.000 014400 2.10.00 | multiplicity: 1 |
| | | |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| aPNOIReplacement | 23.008 Clause 2.13.29 | type: String |
| | 25.000 014430 2.10.25 | multiplicity: 1 |
| | | 1 . |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| subscribedUEAMBR | 23.008 Clause 2.13.30 | type: String |
| | 20.000 010000 2.10.00 | |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| rFSP | 23.008 Clause 2.13.33 | type: String |
| | 25.000 Glause 2.15.55 | |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| pDNGWIdentity | 23.008 Clause 2.13.41 | type: String |
| Privoviaciicicy | 25.000 Clause 2.15.41 | |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| a DCDDMCarrie a state of Classical | 00 000 01 0 40 74 | |
| ePSPDNConnectionCharging | 23.008 Clause 2.13.71 | type: String |
| Characteristics | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | allowed values. IV/A | |
| | | isNullable: False |

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|---------------------------|---|--------------------|
| pDNGWAllocationType | 23.008 Clause 2.13.105 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| aPNLevelAPNOIReplacement | 23.008 Clause 2.13.109 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| closedSubscriberGroupInf | 23.008 Clause 2.4.22 | type: String |
| ormation | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| roamingRestrictionDueToU | 23.008 Clause 2.4.15.3a | type: String |
| nsupportedFeatureMME | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | anomou v alabo. 14/1 | isNullable: False |
| mSPurgedForEPSFlag | 23.008 Clause 2.7.6A | type: String |
| limbi digedi oldi bi idg | 23.000 Clause 2.7.0A | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | allowed values. N/A | |
| DD DWWI | 00 000 01 0 7 0 4 | isNullable: False |
| uRRPMME | 23.008 Clause 2.7.9.1 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | H N/ 1 N/A | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| mMEName | 23.008 Clause 2.13.26 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| sGSNName | 23.008 Clause 2.13.100 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| iWFNumber | 23.008 Clause 2.4.8.3 | type: String |
| | | multiplicity: 1 |
| | | isOrdered: N/A |
| | | isUnique: N/A |
| | allowedValues: N/A | defaultValue: None |
| | | isNullable: False |
| Attribute related to role | | |
| theContract | Models the relationship to a subscribed service. The | type: DN |
| | relationship is between a service and a subscription to | multiplicity: 1* |
| | the same type of service (for example between | isOrdered: False |
| | CSService and CSSubscribedService). This | isUnique: True |
| | attribute contains a list of the DN(s) of the related | defaultValue: None |
| | SuMSubscribedService instance(s). | isNullable: True |
| | | In tallable. True |
| | allowedValues: N/A | |
| | anowou v alaco. 14/1 | |
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| theOffer | Models the relationship to a service. The relationship is between a service and a subscription to the same type of service (for example between CSService and CSSubscribedService). This attribute contains the DN of the related SuMService instance. allowedValues: N/A | type: DN multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: True |
|------------------------|--|---|
| theService | Models the relationship to a service profile. The relationship is between a subscribed service and a service profile of the same type of service (for example between CSSubscribedService and CSServiceProfile). This attribute contains a list of the DN(s) of the related SuMServiceProfile instance(s). | type: DN multiplicity: 1* isOrdered: False isUnique: True defaultValue: None isNullable: True |
| theSpecification | Models the relationship to a subscribed service. The relationship is between a subscribed service and a service profile of the same type of service (for example between CSSubscribedService and CSServiceProfile). This attribute contains the DN of the related SuMSubscribedService instance. allowedValues: N/A | type: DN multiplicity: 1 isOrdered: N/A isUnique: N/A defaultValue: None isNullable: False |
| thePublicId | | type: DN multiplicity: 1* isOrdered: False isUnique: True defaultValue: None isNullable: True |
| theMobileUserData | Models the relationship from a user to the user data of a mobile User Equipment. This attribute contains a list of the DN(s) of the related MobileUserData instance(s). allowedValues: N/A | type: DN multiplicity: 1* isOrdered: False isUnique: True defaultValue: None isNullable: True |
| theServiceProfile | Models the relationship from the user data of a mobile User Equipment to a service profile or from a user's credentials to an IMS service profile. This attribute contains a list of the DN(s) of the related SuMServiceProfile derived instance(s). allowedValues: N/A | type: DN multiplicity: 1* isOrdered: False isUnique: True defaultValue: None isNullable: True |
| theSubscriber | Models the relationship from a user to a subscriber. This attribute contains a list of the DN(s) of the related SuMSubscriberProfile instance(s). allowedValues: N/A | type: DN multiplicity: 1* isOrdered: False isUnique: True defaultValue: None isNullable: True |
| theUser | Models the relationship from a subscriber profile or a Subscription Function to a user. This attribute contains a list of the DN(s) of the related SuMUser instance(s). allowedValues: N/A | type: DN multiplicity: 1* isOrdered: False isUnique: True defaultValue: None isNullable: True |
| theCSSupplServiceForCS | Models the relationship from a CS service to a CS supplement service. This attribute contains a list of the DN(s) of the aggregated SuMCSSupplService instance(s). allowedValues: N/A | type: DN multiplicity: 1* isOrdered: False isUnique: True defaultValue: None isNullable: True |

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

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

4.4.2 Constraints

None.

4.5 Common notifications

Annex A (informative): Change history

| Change history | | | | | | | | | | |
|----------------|-------|-----------|----|-----|---|-----|--------|--------|--|--|
| Date | TSG # | TSG Doc. | CR | Rev | Subject/Comment | Cat | Old | New | | |
| 2013-02 | | | | | First draft | - | - | 0.1.0 | | |
| 2013-03 | SA#59 | SP-130071 | | | MCC editorial cleanup and sent for information and approval | | 0.1.0 | 1.0.0 | | |
| 2013-03 | | | | | Approved version | | 1.0.0 | 11.0.0 | | |
| 2013-06 | | | | | Editorial changes (MCC): removal of blank page on page 2 | | 11.0.0 | 11.0.1 | | |

History

| Document history | | | | | | | |
|------------------|------------|-------------------------|--|--|--|--|--|
| V11.0.0 | April 2013 | Publication (Withdrawn) | | | | | |
| V11.0.1 | July 2013 | Publication | | | | | |
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