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**Source:** SA5 (Telecom Management)  
**Title:** CR 32172 Subscription Management (SuM) Network Resource Model (NRM) IRP Information Service  
**Document for:** Approval  
**Agenda Item:** 7.5.3

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Doc-1st-Level	Spec	CR	R	Phase	Subject	Ca	VerCr	Doc-2nd-Level	Workitem
SP-050024	32.172	001	--	Rel-6	Add Generic Authentication Architecture (GAA) attributes – Align with CN4's 23.008 (Organisation of subscriber data)	F	6.0.0	S5-052039	SuM
SP-050024	32.172	002	--	Rel-6	Add Interworking WLAN (I-WLAN) parameters – Align with CN4's 23.008 (Organisation of subscriber data)	F	6.0.0	S5-052040	SuM
SP-050024	32.172	003	--	Rel-6	Add Supplementary Service attributes – Align with CN4's 23.008 (Organisation of subscriber data)	F	6.0.0	S5-052041	SuM

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## CHANGE REQUEST

⌘ **32.172 CR 001** ⌘ rev **-** ⌘ Current version: **6.0.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

**Proposed change affects:** UICC apps  ME  Radio Access Network  Core Network

**Title:** ⌘ Add Generic Authentication Architecture (GAA) attributes – Align with CN4's 23.008 (Organisation of subscriber data)

**Source:** ⌘ SA5 (istvan.aba@t-mobile.at)

**Work item code:** ⌘ SuM **Date:** ⌘ 28/01/2005

<p><b>Category:</b> ⌘ <b>F</b></p> <p><i>Use one of the following categories:</i></p> <ul style="list-style-type: none"> <li><b>F</b> (correction)</li> <li><b>A</b> (corresponds to a correction in an earlier release)</li> <li><b>B</b> (addition of feature),</li> <li><b>C</b> (functional modification of feature)</li> <li><b>D</b> (editorial modification)</li> </ul> <p>Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a>.</p>	<p><b>Release:</b> ⌘ Rel-6</p> <p><i>Use one of the following releases:</i></p> <ul style="list-style-type: none"> <li>2 (GSM Phase 2)</li> <li>R96 (Release 1996)</li> <li>R97 (Release 1997)</li> <li>R98 (Release 1998)</li> <li>R99 (Release 1999)</li> <li>Rel-4 (Release 4)</li> <li>Rel-5 (Release 5)</li> <li>Rel-6 (Release 6)</li> </ul>
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**Reason for change:** ⌘ To get specification consistent with TS 23.008

**Summary of change:** ⌘ The new conditional Generic Authentication Architecture (GAA) parameters added to the IMS object classes

**Consequences if not approved:** ⌘ The specification will not be consistent with TS 23.008.

**Clauses affected:** ⌘ 6.3.4, 6.3.8, 6.3.14, 6.5.1

<b>Other specs affected:</b>	⌘	<table border="1" style="border-collapse: collapse; text-align: center;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> </table>	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other core specifications ⌘ Test specifications ⌘ O&M Specifications ⌘
Y	N										
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**Other comments:** ⌘

## Change in Clause 6.3.4

### 6.3.4 IMSService

#### 6.3.4.1 Definition

In this management context:

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

#### 6.3.4.2 Attributes

##### Attributes of IMSService

Attribute name	Visibility	Support Qualifier	Read Qualifier	Write Qualifier
imSServiceId	+	M	M	-
barringIndication	+	M	M	M
listofauthorizedvisitednetworkidentifiers	+	M	M	M
registrationStatus	+	M	M	M
sCSCFName	+	M	M	M
serverCapabilities	+	O	M	M
subscribedMediaProfileIdentifier	+	O	M	M
initialFilterCriteria	+	O	M	M
applicationServerInformation	+	O	M	M
serviceIndication	+	M	M	M
primaryEventChargingFunctionName	+	O	M	M
secondaryEventChargingFunctionName	+	O	M	M
primaryChargingCollectionFunctionName	+	M	M	M
secondaryChargingCollectionFunctionName	+	O	M	M
gsmSCFAddressforIMCSI	+	O	M	M
oIMCSI	+	O	M	M
vTIMCSI	+	O	M	M
dIMCS	+	O	M	M
<a href="#">gAAServiceType</a>	<u>+</u>	<u>O</u>	<u>M</u>	<u>M</u>
<a href="#">gAAServiceIdentifier</a>	<u>+</u>	<u>O</u>	<u>M</u>	<u>M</u>
<a href="#">gBAUserSecuritySettings</a>	<u>+</u>	<u>O</u>	<u>M</u>	<u>M</u>
<a href="#">userSecuritySetting</a>	<u>+</u>	<u>O</u>	<u>M</u>	<u>M</u>
<a href="#">userPublicIdentity</a>	<u>+</u>	<u>O</u>	<u>M</u>	<u>M</u>
<a href="#">gAAAAuthorizationflag</a>	<u>+</u>	<u>O</u>	<u>M</u>	<u>M</u>
<a href="#">keyLifetime</a>	<u>+</u>	<u>O</u>	<u>M</u>	<u>M</u>
<a href="#">uICCSecuritySetting</a>	<u>+</u>	<u>O</u>	<u>M</u>	<u>M</u>
<a href="#">nAFGroupIdentity</a>	<u>+</u>	<u>O</u>	<u>M</u>	<u>M</u>

#### 6.3.4.3 Attribute constraints

The optional attributes shall be supported for the following criteria: The NE supports the parameter (See TS 23.008 [7]).

## End of Change in Clause 6.3.4

## Change in Clause 6.3.8

## 6.3.8 IMSSubscribedService

### 6.3.8.1 Definition

In this management context:

- a) 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 PS services.
- b) This class contains the agreed (between the Subscriber and the Service Provider) parameter settings for an ims service that a Subscriber subscribes to.

### 6.3.8.2 Attributes

**Attributes of IMSSubscribedService**

Attribute name	Visibility	Support Qualifier	Read Qualifier	Write Qualifier
imSSubscribedServiceId	+	M	M	-
barringIndication	+	M	M	M
listofauthorizedvisitednetworkidentifiers	+	M	M	M
registrationStatus	+	M	M	M
sCSCFName	+	M	M	M
serverCapabilities	+	O	M	M
subscribedMediaProfileIdentifier	+	O	M	M
initialFilterCriteria	+	O	M	M
applicationServerInformation	+	O	M	M
serviceIndication	+	M	M	M
primaryEventChargingFunctionName	+	O	M	M
secondaryEventChargingFunctionName	+	O	M	M
primaryChargingCollectionFunctionName	+	M	M	M
secondaryChargingCollectionFunctionName	+	O	M	M
gsmSCFaddressforIMCSI	+	O	M	M
oIMCSI	+	O	M	M
vIMCSI	+	O	M	M
dIMCS	+	O	M	M
<a href="#">gAAServiceType</a>	<u>+</u>	<u>O</u>	<u>M</u>	<u>M</u>
<a href="#">gAAServiceIdentifier</a>	<u>+</u>	<u>O</u>	<u>M</u>	<u>M</u>
<a href="#">gBAUserSecuritySettings</a>	<u>+</u>	<u>O</u>	<u>M</u>	<u>M</u>
<a href="#">userSecuritySetting</a>	<u>+</u>	<u>O</u>	<u>M</u>	<u>M</u>
<a href="#">userPublicIdentity</a>	<u>+</u>	<u>O</u>	<u>M</u>	<u>M</u>
<a href="#">gAAAauthorizationflag</a>	<u>+</u>	<u>O</u>	<u>M</u>	<u>M</u>
<a href="#">keyLifetime</a>	<u>+</u>	<u>O</u>	<u>M</u>	<u>M</u>
<a href="#">uICCSecuritySetting</a>	<u>+</u>	<u>O</u>	<u>M</u>	<u>M</u>
<a href="#">nAFGroupIdentity</a>	<u>+</u>	<u>O</u>	<u>M</u>	<u>M</u>

### 6.3.8.3 Attribute constraints

The optional attributes shall be supported for the following criteria: The NE supports the parameter (See TS 23.008 [7]).

**End of Change in Clause 6.3.8**

**Change in Clause 6.3.14**

## 6.3.14 IMSServiceProfile

### 6.3.14.1 Definition

In this management context:

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

### 6.3.14.2 Attributes

**Attributes of IMSServiceProfile**

Attribute name	Visibility	Support Qualifier	Read Qualifier	Write Qualifier
imsServiceProfileId	+	M	M	O
barringIndication	+	M	M	M
listofauthorizedvisitednetworkidentifiers	+	M	M	M
registrationStatus	+	M	M	M
sCSCFName	+	M	M	M
diameterClientAddressofSCSCF	+	M	M	-
serverCapabilities	+	O	M	M
subscribedMediaProfileIdentifier	+	O	M	M
initialFilterCriteria	+	O	M	M
applicationServerInformation	+	O	M	M
serviceIndication	+	M	M	M
primaryEventChargingFunctionName	+	O	M	M
secondaryEventChargingFunctionName	+	O	M	M
primaryChargingCollectionFunctionName	+	M	M	M
secondaryChargingCollectionFunctionName	+	O	M	M
gsmSCFaddressforIMCSI	+	O	M	M
imSSFaddressforIMCSI	+	O	M	-
oIMCSI	+	O	M	M
vTIMCSI	+	O	M	M
dIMCS	+	O	M	M
<a href="#">gAAServiceType</a>	<u>+</u>	<u>O</u>	<u>M</u>	<u>M</u>
<a href="#">gAAServiceIdentifier</a>	<u>+</u>	<u>O</u>	<u>M</u>	<u>M</u>
<a href="#">gBAUserSecuritySettings</a>	<u>+</u>	<u>O</u>	<u>M</u>	<u>M</u>
<a href="#">userSecuritySetting</a>	<u>+</u>	<u>O</u>	<u>M</u>	<u>M</u>
<a href="#">userPublicIdentity</a>	<u>+</u>	<u>O</u>	<u>M</u>	<u>M</u>
<a href="#">gAAAAuthorizationflag</a>	<u>+</u>	<u>O</u>	<u>M</u>	<u>M</u>
<a href="#">keyLifetime</a>	<u>+</u>	<u>O</u>	<u>M</u>	<u>M</u>
<a href="#">uICCSecuritySetting</a>	<u>+</u>	<u>O</u>	<u>M</u>	<u>M</u>
<a href="#">nAFGroupIdentity</a>	<u>+</u>	<u>O</u>	<u>M</u>	<u>M</u>

### 6.3.14.3 Attribute constraints

The optional attributes shall be supported for the following criteria: The NE supports the parameter (See TS 23.008 [7]).

**End of Change in Clause 6.3.14**

**Change in Clause 6.5.1**

## 6.5.1 Definitions and legal values

The following table defines the attributes that are present in several IOCs of the present document.

**Table 6.5.1: Attributes**

Attribute Name	Definition	Legal Values
iMSServiceId	An attribute whose 'name+value' can be used as an RDN when naming an instance of the IMSService object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	
cSServiceId	An attribute whose 'name+value' can be used as an RDN when naming an instance of the CSService object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	
pSServiceId	An attribute whose 'name+value' can be used as an RDN when naming an instance of the PSService object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	
cSServiceProfileId	An attribute whose 'name+value' can be used as an RDN when naming an instance of the CSServiceProfile object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	
pSServiceProfileId	An attribute whose 'name+value' can be used as an RDN when naming an instance of the PSServiceProfile object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	
iMSServiceProfileId	An attribute whose 'name+value' can be used as an RDN when naming an instance of the IMSServiceProfile object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	
cSSubscribedServiceId	An attribute whose 'name+value' can be used as an RDN when naming an instance of the CSSubscribedService object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	

pSSubscribedServiceId	An attribute whose 'name+value' can be used as an RDN when naming an instance of the PSSubscribedService object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	
iMSSubscribedServiceId	An attribute whose 'name+value' can be used as an RDN when naming an instance of the IMSSubscribedService object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	
suMSubscriptionProfileId	An attribute whose 'name+value' can be used as an RDN when naming an instance of the SuMSubscriptionProfile object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	
userLabel	A user-friendly (and user assigned) name of the associated object. Inherited from ManagedFunction.	
agreement-contract	Models the agreement relationship to a subscribed service. This attribute contains a list of the DN(s) of the related SuMSubscribedService instance(s).	
agreement-offer	Models the agreement relationship to a service. An attribute whose 'name+value' can be used as DN when referencing an instance of the SuMService object class.	
description-service	Models the description relationship to a service profile. This attribute contains a list of the DN(s) of the related SuMServiceProfile instance(s).	
description-specification	Models the description relationship to a subscribed service. An attribute whose 'name+value' can be used as DN when referencing an instance of the SuMSubscribedService object class.	
iMSI	23.008 clause 2.1.1.1	
networkAccessMode	23.008 clause 2.1.1.2	
mSISDN	23.008 clause 2.1.2	
multinumberingMSISDNs	23.008 clause 2.1.3	
basicMSISDNIndicator	23.008 clause 2.1.3.1	
mSISDNAlertIndicator	23.008 clause 2.1.3.2	
lMSI	23.008 clause 2.1.8	
mobileStationCategory	23.008 clause 2.2.1	
lMUIdentifier	23.008 clause 2.2.2	
iMEISV	23.008 clause 2.2.3	
subscriptionRestriction	23.008 clause 2.4.10	
rSZIlists	23.008 clause 2.4.11.1	
mSCAreaRestrictedFlag	23.008 clause 2.4.12	
sGSNarearestrictedflag	23.008 clause 2.4.14	
oDBinducedBarringData	23.008 clause 2.4.15.1	
roamingRestrictionDueToUnsupportedFeature	23.008 clause 2.4.15.2	

roamingRestrictedintheSGSNduetounsupportedfeature	23.008 clause 2.4.15.3	
LSAIdentity	23.008 clause 2.4.17.1	
LSAPriority	23.008 clause 2.4.17.2	
LSAPreferentialAccessIndicator	23.008 clause 2.4.17.2A	
LSAActiveModeSupportIndicator	23.008 clause 2.4.17.2B	
LSAOnlyAccessIndicator	23.008 clause 2.4.17.3	
LSAActiveModeIndicator	23.008 clause 2.4.17.4	
vPLMNIIdentifier	23.008 clause 2.4.17.5	
accessRestrictionData	23.008 clause 2.4.18	
vLRNNumber	23.008 clause 2.4.5	
mSCNNumber	23.008 clause 2.4.6	
sGSNNNumber	23.008 clause 2.4.8.1	
gGSNNNumber	23.008 clause 2.4.8.2	
provisionOfBearerService	23.008 clause 2.5.1	
provisionOfTeleservice	23.008 clause 2.5.2	
bCAllocation	23.008 clause 2.5.3	
transferofSMOption	23.008 clause 2.5.4	
mNRG	23.008 clause 2.7.2	
checkSSIndicator	23.008 clause 2.7.4.4	
mSPurgedForNonGPRSFlag	23.008 clause 2.7.5	
mSPurgedforGPRSflag	23.008 clause 2.7.6	
subscriberStatus	23.008 clause 2.8.1	
barringOfOutgoingCalls	23.008 clause 2.8.2.1	
barringOfIncomingCalls	23.008 clause 2.8.2.2	
barringOfRoaming	23.008 clause 2.8.2.3	
barringOfPremiumRateCalls	23.008 clause 2.8.2.4	
barringOfSupplementaryServiceManagement	23.008 clause 2.8.2.5	
barringOfRegistrationOfCallForwarding	23.008 clause 2.8.2.6	
barringOfInvocationOfCallTransfer	23.008 clause 2.8.2.7	
barringofPacketOrientedServices	23.008 clause 2.8.2.8	
operatorDeterminedBarringPLMNspecificData	23.008 clause 2.8.3	
notificationToCSEFlagForODB	23.008 clause 2.8.4	
gsmSCFaddresslistForODB	23.008 clause 2.8.5	
messagesWaitingData	23.008 clause 2.10.1	
mobileStationNotReachableFlag	23.008 clause 2.10.2	
memoryCapacityExceededFlag	23.008 clause 2.10.3	
traceReference	23.008 clause 2.11.1	
traceType	23.008 clause 2.11.2	
operationsSystemsIdentity	23.008 clause 2.11.3	
hLRTraceType	23.008 clause 2.11.4	
mAPErrorOnTrace	23.008 clause 2.11.5	
traceActivatedInVLR	23.008 clause 2.11.6	
traceActivatedinSGSN	23.008 clause 2.11.7	
vGCsGroupMembershipList	23.008 clause 2.12.1	
vBSGroupMembershipList	23.008 clause 2.12.2	
broadcastCallInitiationAllowedList	23.008 clause 2.12.2.1	
pDPType	23.008 clause 2.13.1	
gGSNlist	23.008 clause 2.13.11	
qualityofServiceSubscribed	23.008 clause 2.13.12	
pDPAddress	23.008 clause 2.13.2	
pDPContextIdentifier	23.008 clause 2.13.24	
pDPContextChargingCharacteristics	23.008 clause 2.13.25	
accessPointName	23.008 clause 2.13.6	
vPLMNAddressAllowed	23.008 clause 2.13.8	
originatingCAMELSubscriptionInformationOCsI	23.008 clause 2.14.1.1/3.1	
gPRSCAMELSubscriptionInformationGPRSCsI	23.008 clause 2.14.1.10/2.14.4.4	
dialledServiceCAMELSubscriptionInformationDCsI	23.008 clause 2.14.1.11/3.7	
mobilityManagementforGPRSeventnotificationMGcSI	23.008 clause 2.14.1.12/2.14.4.4	
terminatingCAMELSubscriptionInformationTCsI	23.008 clause 2.14.1.2	
vMSCTerminatingCAMELSubscriptionInformationVTcSI	23.008 clause 2.14.1.2/3.2	
locationInformationSubscriberStateInformation	23.008 clause 2.14.1.3	
uSSDCAMELSubscriptionInformationUCsI	23.008 clause 2.14.1.4	
sSInvocationNotificationSScSI	23.008 clause 2.14.1.5/3.2	
translationInformationFlagTIFcSI	23.008 clause 2.14.1.6/3.6	
shortMessageServiceCAMELSubscriptionInformationMOSMSCsI	23.008 clause 2.14.1.8/2.14.3.5	



mOShortMessageServiceCAMELSubscriptionInformationMOSMSCSI	23.008 clause 2.14.1.8/2.14.4.1	
shortMessageServiceCAMELSubscriptionInformationMTSMSCSI	23.008 clause 2.14.1.9/2.14.3.6	
mTShortMessageServiceCAMELSubscriptionInformationMTSMSCSI	23.008 clause 2.14.1.9/2.14.4.2.	
gPRSCSINegotiatedCAMELCapabilityHandling	23.008 clause 2.14.2.1	
mCSINegotiatedCAMELCapabilityHandling	23.008 clause 2.14.2.1	
mGCSINegotiatedCAMELCapabilityHandling	23.008 clause 2.14.2.1	
mOSMSCSISGSNNegotiatedCAMELCapabilityHandling	23.008 clause 2.14.2.1	
mOSMSCSIVLRNegotiatedCAMELCapabilityHandling	23.008 clause 2.14.2.1	
mTSMSCSISGSNNegotiatedCAMELCapabilityHandling	23.008 clause 2.14.2.1	
mTSMSCSIVLRNegotiatedCAMELCapabilityHandling	23.008 clause 2.14.2.1	
oCSINegotiatedCAMELCapabilityHandling	23.008 clause 2.14.2.1	
sCSINegotiatedCAMELCapabilityHandling	23.008 clause 2.14.2.1	
vTCSINegotiatedCAMELCapabilityHandling	23.008 clause 2.14.2.1	
SGSNOfferedCAMEL4CSIs	23.008 clause 2.14.2.2A	
vLROfferedCAMEL4CSIs	23.008 clause 2.14.2.2A	
sGSNSupportedCAMELPhases	23.008 clause 2.14.2.3	
vLRSupportedCAMELPhases	23.008 clause 2.14.2.3	
gsmSCFAddressforCSI	23.008 clause 2.14.2.4	
uSSDGeneralCAMELServiceInformationUGCSI	23.008 clause 2.14.2.4	
iSTAlertTimer	23.008 clause 2.15.1	
privacyExceptionList	23.008 clause 2.16.1.1	
gMLCNumbers	23.008 clause 2.16.1.2	
mOLRList	23.008 clause 2.16.1.3	
serviceTypes	23.008 clause 2.16.1.4	
ageIndicator	23.008 clause 2.17.1	
cSAllocationRetentionpriority	23.008 clause 2.18.1	
subscribedChargingCharacteristics	23.008 clause 2.19.1	
privateUserIdentity	23.008 clause 3.1.1	
publicIdentity	23.008 clause 3.1.2	
barringIndication	23.008 clause 3.1.3	
listofauthorizedvisitednetworkidentifiers	23.008 clause 3.1.4	
registrationStatus	23.008 clause 3.2.1	
sCSCFName	23.008 clause 3.2.2	
diameterClientAddressofSCSCF	23.008 clause 3.2.3	
serverCapabilities	23.008 clause 3.4.1	
subscribedMediaProfileIdentifier	23.008 clause 3.5.1	
initialFilterCriteria	23.008 clause 3.5.2	
applicationServerInformation	23.008 clause 3.5.3	
serviceIndication	23.008 clause 3.5.4	
primaryEventChargingFunctionName	23.008 clause 3.7.1	
secondaryEventChargingFunctionName	23.008 clause 3.7.2	
primaryChargingCollectionFunctionName	23.008 clause 3.7.3	
secondaryChargingCollectionFunctionName	23.008 clause 3.7.4	
gsmSCFAddressforIMCSI	23.008 clause 3.8.4	
iMSSFAddressforIMCSI	23.008 clause 3.8.5	
oIMCSI	23.008 clause 3.8.1	
vTIMCSI	23.008 clause 3.8.2	
dIMCS	23.008 clause 3.8.3	
<a href="#">gAAServiceType</a>	<a href="#">23.008 clause 3A.1</a>	
<a href="#">gAAServiceIdentifier</a>	<a href="#">23.008 clause 3A.2</a>	
<a href="#">gBAUserSecuritySettings</a>	<a href="#">23.008 clause 3A.3</a>	
<a href="#">userSecuritySetting</a>	<a href="#">23.008 clause 3A.4</a>	
<a href="#">userPublicIdentity</a>	<a href="#">23.008 clause 3A.5</a>	
<a href="#">gAAAAuthorizationflag</a>	<a href="#">23.008 clause 3A.6</a>	
<a href="#">keyLifetime</a>	<a href="#">23.008 clause 3A.8</a>	
<a href="#">uICCSecuritySetting</a>	<a href="#">23.008 clause 3A.9</a>	
<a href="#">nAFGroupIdentity</a>	<a href="#">23.008 clause 3A.11</a>	

**End of Change in Clause 6.5.1**

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# Annex A (informative): Change history

Change history							
Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
Dec 2003	S_22	SP-030617	--	--	Submitted to TSG SA#22 for Information	1.0.0	
Sep 2004	S_25	SP-040546	--	--	Submitted to TSG SA#25 for Approval	2.0.0	
Dec 2004	S_26	SP-040830	--	--	Submitted to TSG SA#26 for Approval	2.7.0	6.0.0

CR-Form-v7

## CHANGE REQUEST

⌘ **32.172 CR 002** ⌘ rev **-** ⌘ Current version: **6.0.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

**Proposed change affects:** UICC apps  ME  Radio Access Network  Core Network

<b>Title:</b>	⌘ Add Interworking WLAN (I-WLAN) parameters – Align with CN4's 23.008 (Organisation of subscriber data)		
<b>Source:</b>	⌘ SA5 (istvan.aba@t-mobile.at)		
<b>Work item code:</b>	⌘ SuM	<b>Date:</b>	⌘ 28/01/2005
<b>Category:</b>	⌘ <b>F</b>	<b>Release:</b>	⌘ Rel-6
	<i>Use one of the following categories:</i> <b>F</b> (correction) <b>A</b> (corresponds to a correction in an earlier release) <b>B</b> (addition of feature), <b>C</b> (functional modification of feature) <b>D</b> (editorial modification) Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a> .		<i>Use one of the following releases:</i> <b>2</b> (GSM Phase 2) <b>R96</b> (Release 1996) <b>R97</b> (Release 1997) <b>R98</b> (Release 1998) <b>R99</b> (Release 1999) <b>Rel-4</b> (Release 4) <b>Rel-5</b> (Release 5) <b>Rel-6</b> (Release 6)

<b>Reason for change:</b>	⌘ To get specification consistent with TS 23.008
<b>Summary of change:</b>	⌘ The new parameters for I-WLAN are added to the PS object classes
<b>Consequences if not approved:</b>	⌘ The specification will not be consistent with TS 23.008.

<b>Clauses affected:</b>	⌘ 6.3.3, 6.3.7, 6.3.13, 6.5.1						
<b>Other specs affected:</b>	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> Other core specifications	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	⌘	
Y	N						
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> Test specifications	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	⌘	
Y	N						
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> O&M Specifications	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	⌘	
Y	N						
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
<b>Other comments:</b>	⌘						

## Change in Clause 6.3.3

### 6.3.3 PSService

#### 6.3.3.1 Definition

In this management context:

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

### 6.3.3.2 Attributes

#### Attributes of PSService

Attribute name	Visibility	Support Qualifier	Read Qualifier	Write Qualifier
pSServiceId	+	M	M	-
networkAccessMode	+	M	M	M
basicMSISDNIndicator	+	O	M	M
mSISDNAlertIndicator	+	O	M	M
subscriptionRestriction	+	O	M	M
rSZIlists	+	O	M	M
lSAIdentity	+	O	M	M
lSAPriority	+	O	M	M
lSAPreferentialAccessIndicator	+	O	M	M
lSAActiveModeSupportIndicator	+	O	M	M
lSAOnlyAccessIndicator	+	O	M	M
lSAActiveModeIndicator	+	O	M	M
vPLMNIIdentifier	+	O	M	M
accessRestrictionData	+	O	M	M
privacyExceptionList	+	O	M	M
gMLCNumbers	+	O	M	M
mOLRList	+	O	M	M
serviceTypes	+	O	M	M
gGSNNumber	+	O	M	M
provisionofTeleservice	+	O	M	M
transferofSMoption	+	M	M	M
barringofPacketOrientedServices	+	O	M	M
pDPType	+	O	M	M
pDPAddress	+	O	M	M
accessPointName	+	O	M	M
vPLMNAddressAllowed	+	O	M	M
qualityofServiceSubscribed	+	O	M	M
pDPContextChargingCharacteristics	+	O	M	M
gPRSCAMELSubscriptionInformationGPRSCSI	+	O	M	M
mOShortMessageServiceCAMELSubscriptionInformationMOSMSCSI	+	O	M	M
mTShortMessageServiceCAMELSubscriptionInformationMTSMSCSI	+	O	M	M
mOSMSCSISGSNNegotiatedCAMELCapabilityHandling	+	O	M	M
mTSMSCSISGSNNegotiatedCAMELCapabilityHandling	+	O	M	M
mobilityManagementforGPRSeventnotificationMGCSI	+	O	M	M
mGCSINegotiatedCAMELCapabilityHandling	+	O	M	M
gsmSCFAddressforCSI	+	O	M	M
subscribedChargingCharacteristics	+	O	M	M
<a href="#">w-APN</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">listofauthorizedvisitednetworkidentifiers</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">wLANUERemoteIPAddress</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">wLANAccess</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">wLANTunnelling</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">wLANDirectIPAccess</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">wAPNAuthorised</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">w-APNBarringType</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">w-APNChargingData</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">wLANUERemoteIPAddress</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">accessIndependenceFlag</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">i-WLANAccessType</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">chargingData</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">chargingCharacteristics</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">primaryOCSCargingFunctionName</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">secondaryOCSCargingFunctionName</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">primaryChargingCollectionFunctionName</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">secondaryChargingCollectionFunctionName</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>

### 6.3.3.3 Attribute constraints

The optional attributes shall be supported for the following criteria: The NE supports the parameter (See TS 23.008 [7]).

<b>End of Change in Clause 6.3.3</b>
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<b>Change in Clause 6.3.7</b>
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## 6.3.7 PSSubscribedService

### 6.3.7.1 Definition

In this management context:

- a) This class represents subscription to a PS service (see 3GPP TS 23.008 [7]) for a subscriber. The entire set of PS subscribed services owned by a subscriber constitutes the subscriber's Subscribed Services Profile for PS services.
- b) This class contains the agreed (between the Subscriber and the Service Provider) parameter settings for a PS service that a Subscriber subscribes to.

## 6.3.7.2 Attributes

### Attributes of PSubscribedService

Attribute name	Visibility	Support Qualifier	Read Qualifier	Write Qualifier
pSubscribedServiceId	+	M	M	-
networkAccessMode	+	M	M	M
basicMSISDNIndicator	+	O	M	M
mSISDNAlertIndicator	+	O	M	M
subscriptionRestriction	+	O	M	M
rSIZIlists	+	O	M	M
lSAIdentity	+	O	M	M
lSAPriority	+	O	M	M
lSAPreferentialAccessIndicator	+	O	M	M
lSAActiveModeSupportIndicator	+	O	M	M
lSAOnlyAccessIndicator	+	O	M	M
lSAActiveModeIndicator	+	O	M	M
vPLMNIIdentifier	+	O	M	M
accessRestrictionData	+	O	M	M
privacyExceptionList	+	O	M	M
gMLCNumbers	+	O	M	M
mOLRList	+	O	M	M
serviceTypes	+	O	M	M
gGSNNumber	+	O	M	M
provisionofTeleservice	+	O	M	M
transferofSMoption	+	M	M	M
barringofPacketOrientedServices	+	O	M	M
pDPType	+	O	M	M
pDPAddress	+	O	M	M
accessPointName	+	O	M	M
vPLMNAddressAllowed	+	O	M	M
qualityofServiceSubscribed	+	O	M	M
pDPContextChargingCharacteristics	+	O	M	M
gPRSCAMELSubscriptionInformationGPRSCSI	+	O	M	M
mOShortMessageServiceCAMELSubscriptionInformationMOSMSCSI	+	O	M	M
mTShortMessageServiceCAMELSubscriptionInformationMTSMSCSI	+	O	M	M
mOSMSCSISGSNNegotiatedCAMELCapabilityHandling	+	O	M	M
mTSMSCSISGSNNegotiatedCAMELCapabilityHandling	+	O	M	M
mobilityManagementforGPRSeventnotificationMGCSI	+	O	M	M
mGCSINegotiatedCAMELCapabilityHandling	+	O	M	M
gsmSCFAddressforCSI	+	O	M	M
subscribedChargingCharacteristics	+	O	M	M
<a href="#">w-APN</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">listofauthorizedvisitednetworkidentifiers</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">wLANUERemoteIPAddress</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">wLANAccess</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">wLANTunnelling</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">wLANDirectIPAccess</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">wAPNAuthorised</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">w-APNBarringType</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">w-APNChargingData</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">wLANUERemoteIPAddress</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">accessIndependenceFlag</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">i-WLANAccessType</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">chargingData</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">chargingCharacteristics</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">primaryOCSCargingFunctionName</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">secondaryOCSCargingFunctionName</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">primaryChargingCollectionFunctionName</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">secondaryChargingCollectionFunctionName</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>

### 6.3.7.3 Attribute constraints

The optional attributes shall be supported for the following criteria: The NE supports the parameter (See TS 23.008 [7]).

## End of Change in Clause 6.3.7

## Change in Clause 6.3.13

### 6.3.13 PSServiceProfile

#### 6.3.13.1 Definition

In this management context:

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



### 6.3.13.2 Attributes

#### Attributes of PSServiceProfile

Attribute name	Visibility	Support Qualifier	Read Qualifier	Write Qualifier
pSServiceProfileId	+	M	M	O
networkAccessMode	+	M	M	M
basicMSISDNIndicator	+	O	M	M
mSISDNAlertIndicator	+	O	M	M
vLRNumber	+	M	M	-
mSCNumber	+	M	M	-
subscriptionRestriction	+	O	M	M
rSZIlists	+	O	M	M
mSCAreaRestrictedFlag	+	M	M	-
oDBinducedBarringData	+	O	M	-
roamingRestrictionDueToUnsupportedFeature	+	M	M	-
lSAIdentity	+	O	M	M
lSAPriority	+	O	M	M
lSAPreferentialAccessIndicator	+	O	M	M
lSAActiveModeSupportIndicator	+	O	M	M
lSAOnlyAccessIndicator	+	O	M	M
lSAActiveModeIndicator	+	O	M	M
vPLMNIdentifier	+	O	M	M
accessRestrictionData	+	O	M	M
privacyExceptionList	+	O	M	M
gMLCNumbers	+	O	M	M
mOLRList	+	O	M	M
serviceTypes	+	O	M	M
ageIndicator	+	O	M	-
sGSNNumber	+	M	M	-
gGSNNumber	+	O	M	M
sGSNarearestrictedflag	+	M	M	-
roamingRestrictedintheSGSNduetounsupportedfeature	+	M	M	-
mNRG	+	M	M	-
traceActivatedinSGSN	+	O	M	-
provisionofTeleservice	+	O	M	M
transferofSMoption	+	M	M	M
mSpurgedforGPRSflag	+	M	M	-
barringofPacketOrientedServices	+	O	M	M
pDPType	+	O	M	M
pDPAddress	+	O	M	M
accessPointName	+	O	M	M
vPLMNAddressAllowed	+	O	M	M
gGSNlist	+	M	M	-
qualityofServiceSubscribed	+	O	M	M
pDPContextIdentifier	+	O	M	-
pDPContextChargingCharacteristics	+	O	M	M
gPRSCAMELSubscriptionInformationGPRSCSI	+	O	M	M
mOShortMessageServiceCAMELSubscriptionInformationMOSMSCSI	+	O	M	M
mTShortMessageServiceCAMELSubscriptionInformationMTSMSCSI	+	O	M	M
mOSMSCSISGSNNegotiatedCAMELCapabilityHandling	+	O	M	M
mTSMSCSISGSNNegotiatedCAMELCapabilityHandling	+	O	M	M
mobilityManagementforGPRSeventnotificationMGCSI	+	O	M	M
mGCSINegotiatedCAMELCapabilityHandling	+	O	M	M
gPRSCSINegotiatedCAMELCapabilityHandling	+	O	M	-
sGSNSupportedCAMELPhases	+	O	M	-
sGSNOfferedCAMEL4CSIs	+	O	M	-
gsmSCFaddressforCSI	+	O	M	M
subscribedChargingCharacteristics	+	O	M	M
<a href="#">w-APN</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">listofauthorizedvisitednetworkidentifiers</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">3GPPAAAServerName</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">-</a>
<a href="#">wLANUERemoteIPAddress</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">wLANAccess</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>

<a href="#">wLANTunnelling</a>	+	O	M	M
<a href="#">wLANDirectIPAccess</a>	+	O	M	M
<a href="#">wAPNAuthorised</a>	+	O	M	M
<a href="#">w-APNBarringType</a>	+	O	M	M
<a href="#">w-APNChargingData</a>	+	O	M	M
<a href="#">wLANUERemoteIPAddress</a>	+	O	M	M
<a href="#">accessIndependenceFlag</a>	+	O	M	M
<a href="#">i-WLANAccessType</a>	+	O	M	M
<a href="#">chargingData</a>	+	O	M	M
<a href="#">chargingCharacteristics</a>	+	O	M	M
<a href="#">primaryOCChargingFunctionName</a>	+	O	M	M
<a href="#">secondaryOCChargingFunctionName</a>	+	O	M	M
<a href="#">primaryChargingCollectionFunctionName</a>	+	O	M	M
<a href="#">secondaryChargingCollectionFunctionName</a>	+	O	M	M

### 6.3.13.3 Attribute constraints

The optional attributes:

[3GPPAAAServerName](#)  
[accessIndependenceFlag](#)  
accessPointName  
accessRestrictionData  
ageIndicator  
barringofPacketOrientedServices  
basicMSISDNIndicator  
[chargingCharacteristics](#)  
[chargingData](#)  
gGSNNumber  
gMLCNumbers  
gPRSCAMELSubscriptionInformationGPRSCSI  
gPRSCSINegotiatedCAMELCapabilityHandling  
gsmSCFaddressforCSI  
[i-WLANAccessType](#)  
[listofauthorizedvisitednetworkidentifiers](#)  
lSAActiveModeIndicator  
lSAActiveModeSupportIndicator  
lSAIdentity  
lSAOnlyAccessIndicator  
lSAPreferentialAccessIndicator  
lSAPriority  
mGSINegotiatedCAMELCapabilityHandling  
mobilityManagementforGPRSeventnotificationMGCSI  
mOLRList  
mOShortMessageServiceCAMELSubscriptionInformationMOSMSCSI  
mOSMSCSISGSNNegotiatedCAMELCapabilityHandling  
mSISDNAlertIndicator  
mTShortMessageServiceCAMELSubscriptionInformationMTSMSCSI  
mTSMSCSISGSNNegotiatedCAMELCapabilityHandling  
oDBinducedBarringData  
pDPAddress  
pDPContextChargingCharacteristics  
pDPContextIdentifier  
pDPType  
[primaryChargingCollectionFunctionName](#)  
[primaryOCChargingFunctionName](#)  
privacyExceptionList  
provisionofTeleservice  
qualityofServiceSubscribed  
rSZIlists  
[secondaryChargingCollectionFunctionName](#)  
[secondaryOCChargingFunctionName](#)

serviceTypes  
sGSNOfferedCAMEL4CSIs  
sGSNSupportedCAMELPhases  
subscribedChargingCharacteristics  
subscriptionRestriction  
vPLMNAddressAllowed  
vPLMNIdentifier

[w-APN](#)

[wAPNAuthorised](#)

[w-APNBarringType](#)

[w-APNChargingData](#)

[wLANAccess](#)

[wLANDirectIPAccess](#)

[wLANTunnelling](#)

[wLANUERemoteIPAddress](#)

[wLANUERemoteIPAddress](#)

shall be supported for the following criteria: the NE supports the parameter (See TS 23.008 [7]).

**End of Change in Clause 6.3.13**

**Change in Clause 6.5.1**

## 6.5.1 Definitions and legal values

The following table defines the attributes that are present in several IOCs of the present document.

**Table 6.5.1: Attributes**

Attribute Name	Definition	Legal Values
iMSServiceId	An attribute whose 'name+value' can be used as an RDN when naming an instance of the IMSService object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	
cSServiceId	An attribute whose 'name+value' can be used as an RDN when naming an instance of the CSService object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	
pSServiceId	An attribute whose 'name+value' can be used as an RDN when naming an instance of the PSService object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	
cSServiceProfileId	An attribute whose 'name+value' can be used as an RDN when naming an instance of the CSServiceProfile object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	
pSServiceProfileId	An attribute whose 'name+value' can be used as an RDN when naming an instance of the PSServiceProfile object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	
iMSServiceProfileId	An attribute whose 'name+value' can be used as an RDN when naming an instance of the IMSServiceProfile object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	
cSSubscribedServiceId	An attribute whose 'name+value' can be used as an RDN when naming an instance of the CSSubscribedService object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	

pSSubscribedServiceId	An attribute whose 'name+value' can be used as an RDN when naming an instance of the PSSubscribedService object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	
iMSSubscribedServiceId	An attribute whose 'name+value' can be used as an RDN when naming an instance of the IMSSubscribedService object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	
suMSubscriptionProfileId	An attribute whose 'name+value' can be used as an RDN when naming an instance of the SuMSubscriptionProfile object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	
userLabel	A user-friendly (and user assigned) name of the associated object. Inherited from ManagedFunction.	
agreement-contract	Models the agreement relationship to a subscribed service. This attribute contains a list of the DN(s) of the related SuMSubscribedService instance(s).	
agreement-offer	Models the agreement relationship to a service. An attribute whose 'name+value' can be used as DN when referencing an instance of the SuMService object class.	
description-service	Models the description relationship to a service profile. This attribute contains a list of the DN(s) of the related SuMServiceProfile instance(s).	
description-specification	Models the description relationship to a subscribed service. An attribute whose 'name+value' can be used as DN when referencing an instance of the SuMSubscribedService object class.	
iMSI	23.008 clause 2.1.1.1	
networkAccessMode	23.008 clause 2.1.1.2	
mSISDN	23.008 clause 2.1.2	
multinumberingMSISDNs	23.008 clause 2.1.3	
basicMSISDNIndicator	23.008 clause 2.1.3.1	
mSISDNAlertIndicator	23.008 clause 2.1.3.2	
lMSI	23.008 clause 2.1.8	
mobileStationCategory	23.008 clause 2.2.1	
lMUIdentifier	23.008 clause 2.2.2	
iMEISV	23.008 clause 2.2.3	
subscriptionRestriction	23.008 clause 2.4.10	
rSZIlists	23.008 clause 2.4.11.1	
mSCAreaRestrictedFlag	23.008 clause 2.4.12	
sGSNarearestrictedflag	23.008 clause 2.4.14	
oDBinducedBarringData	23.008 clause 2.4.15.1	
roamingRestrictionDueToUnsupportedFeature	23.008 clause 2.4.15.2	

roamingRestrictedintheSGSNduetounsupportedfeature	23.008 clause 2.4.15.3	
LSAIdentity	23.008 clause 2.4.17.1	
LSAPriority	23.008 clause 2.4.17.2	
LSAPreferentialAccessIndicator	23.008 clause 2.4.17.2A	
LSAActiveModeSupportIndicator	23.008 clause 2.4.17.2B	
LSAOnlyAccessIndicator	23.008 clause 2.4.17.3	
LSAActiveModeIndicator	23.008 clause 2.4.17.4	
vPLMNIIdentifier	23.008 clause 2.4.17.5	
accessRestrictionData	23.008 clause 2.4.18	
vLRNNumber	23.008 clause 2.4.5	
mSCNNumber	23.008 clause 2.4.6	
sGSNNumber	23.008 clause 2.4.8.1	
gGSNNumber	23.008 clause 2.4.8.2	
provisionOfBearerService	23.008 clause 2.5.1	
provisionOfTeleservice	23.008 clause 2.5.2	
bCAllocation	23.008 clause 2.5.3	
transferofSMoption	23.008 clause 2.5.4	
mNRG	23.008 clause 2.7.2	
checkSSIndicator	23.008 clause 2.7.4.4	
mSPurgedForNonGPRSFlag	23.008 clause 2.7.5	
mSPurgedforGPRSflag	23.008 clause 2.7.6	
subscriberStatus	23.008 clause 2.8.1	
barringOfOutgoingCalls	23.008 clause 2.8.2.1	
barringOfIncomingCalls	23.008 clause 2.8.2.2	
barringOfRoaming	23.008 clause 2.8.2.3	
barringOfPremiumRateCalls	23.008 clause 2.8.2.4	
barringOfSupplementaryServiceManagement	23.008 clause 2.8.2.5	
barringOfRegistrationOfCallForwarding	23.008 clause 2.8.2.6	
barringOfInvocationOfCallTransfer	23.008 clause 2.8.2.7	
barringofPacketOrientedServices	23.008 clause 2.8.2.8	
operatorDeterminedBarringPLMNspecificData	23.008 clause 2.8.3	
notificationToCSEFlagForODB	23.008 clause 2.8.4	
gsmSCFaddresslistForODB	23.008 clause 2.8.5	
messagesWaitingData	23.008 clause 2.10.1	
mobileStationNotReachableFlag	23.008 clause 2.10.2	
memoryCapacityExceededFlag	23.008 clause 2.10.3	
traceReference	23.008 clause 2.11.1	
traceType	23.008 clause 2.11.2	
operationsSystemsIdentity	23.008 clause 2.11.3	
hLRTraceType	23.008 clause 2.11.4	
mAPErrorOnTrace	23.008 clause 2.11.5	
traceActivatedInVLR	23.008 clause 2.11.6	
traceActivatedinSGSN	23.008 clause 2.11.7	
vGCsGroupMembershipList	23.008 clause 2.12.1	
vBSGroupMembershipList	23.008 clause 2.12.2	
broadcastCallInitiationAllowedList	23.008 clause 2.12.2.1	
pDPType	23.008 clause 2.13.1	
gGSNlist	23.008 clause 2.13.11	
qualityofServiceSubscribed	23.008 clause 2.13.12	
pDPAddress	23.008 clause 2.13.2	
pDPContextIdentifier	23.008 clause 2.13.24	
pDPContextChargingCharacteristics	23.008 clause 2.13.25	
accessPointName	23.008 clause 2.13.6	
vPLMNAddressAllowed	23.008 clause 2.13.8	
originatingCAMELSubscriptionInformationOCsI	23.008 clause 2.14.1.1/3.1	
gPRSCAMELSubscriptionInformationGPRSCsI	23.008 clause 2.14.1.10/2.14.4.4	
dialledServiceCAMELSubscriptionInformationDCsI	23.008 clause 2.14.1.11/3.7	
mobilityManagementforGPRSeventnotificationMGcSI	23.008 clause 2.14.1.12/2.14.4.4	
terminatingCAMELSubscriptionInformationTCsI	23.008 clause 2.14.1.2	
vMSCTerminatingCAMELSubscriptionInformationVTcSI	23.008 clause 2.14.1.2/3.2	
locationInformationSubscriberStateInformation	23.008 clause 2.14.1.3	
uSSDCAMELSubscriptionInformationUCsI	23.008 clause 2.14.1.4	
sSInvocationNotificationSScSI	23.008 clause 2.14.1.5/3.2	
translationInformationFlagTIFcSI	23.008 clause 2.14.1.6/3.6	
shortMessageServiceCAMELSubscriptionInformationMOSMSCsI	23.008 clause 2.14.1.8/2.14.3.5	

mOShortMessageServiceCAMELSubscriptionInformationMOSMSCSI	23.008 clause 2.14.1.8/2.14.4.1	
shortMessageServiceCAMELSubscriptionInformationMTSMSCSI	23.008 clause 2.14.1.9/2.14.3.6	
mTShortMessageServiceCAMELSubscriptionInformationMTSMSCSI	23.008 clause 2.14.1.9/2.14.4.2.	
gPRSCSINegotiatedCAMELCapabilityHandling	23.008 clause 2.14.2.1	
mCSINegotiatedCAMELCapabilityHandling	23.008 clause 2.14.2.1	
mGCSINegotiatedCAMELCapabilityHandling	23.008 clause 2.14.2.1	
mOSMSCSISGSNNegotiatedCAMELCapabilityHandling	23.008 clause 2.14.2.1	
mOSMSCSIVLRNNegotiatedCAMELCapabilityHandling	23.008 clause 2.14.2.1	
mTSMSCSISGSNNegotiatedCAMELCapabilityHandling	23.008 clause 2.14.2.1	
mTSMSCSIVLRNNegotiatedCAMELCapabilityHandling	23.008 clause 2.14.2.1	
oCSINegotiatedCAMELCapabilityHandling	23.008 clause 2.14.2.1	
sCSINegotiatedCAMELCapabilityHandling	23.008 clause 2.14.2.1	
vTCSINegotiatedCAMELCapabilityHandling	23.008 clause 2.14.2.1	
SGSNOfferedCAMEL4CSIs	23.008 clause 2.14.2.2A	
vLROfferedCAMEL4CSIs	23.008 clause 2.14.2.2A	
sGSNSupportedCAMELPhases	23.008 clause 2.14.2.3	
vLRSupportedCAMELPhases	23.008 clause 2.14.2.3	
gsmSCFAddressforCSI	23.008 clause 2.14.2.4	
uSSDGeneralCAMELServiceInformationUGCSI	23.008 clause 2.14.2.4	
iSTAlertTimer	23.008 clause 2.15.1	
privacyExceptionList	23.008 clause 2.16.1.1	
gMLCNumbers	23.008 clause 2.16.1.2	
mOLRList	23.008 clause 2.16.1.3	
serviceTypes	23.008 clause 2.16.1.4	
ageIndicator	23.008 clause 2.17.1	
cSAllocationRetentionpriority	23.008 clause 2.18.1	
subscribedChargingCharacteristics	23.008 clause 2.19.1	
privateUserIdentity	23.008 clause 3.1.1	
publicIdentity	23.008 clause 3.1.2	
barringIndication	23.008 clause 3.1.3	
listofauthorizedvisitednetworkidentifiers	23.008 clause 3.1.4	
registrationStatus	23.008 clause 3.2.1	
sCSCFName	23.008 clause 3.2.2	
diameterClientAddressofSCSCF	23.008 clause 3.2.3	
serverCapabilities	23.008 clause 3.4.1	
subscribedMediaProfileIdentifier	23.008 clause 3.5.1	
initialFilterCriteria	23.008 clause 3.5.2	
applicationServerInformation	23.008 clause 3.5.3	
serviceIndication	23.008 clause 3.5.4	
primaryEventChargingFunctionName	23.008 clause 3.7.1	
secondaryEventChargingFunctionName	23.008 clause 3.7.2	
primaryChargingCollectionFunctionName	23.008 clause 3.7.3	
secondaryChargingCollectionFunctionName	23.008 clause 3.7.4	
gsmSCFAddressforIMCSI	23.008 clause 3.8.4	
iMSSFAddressforIMCSI	23.008 clause 3.8.5	
oIMCSI	23.008 clause 3.8.1	
vTIMCSI	23.008 clause 3.8.2	
dIMCS	23.008 clause 3.8.3	
<a href="#">w-APN</a>	<a href="#">23.008 clause 3B.1.3</a>	
<a href="#">listofauthorizedvisitednetworkidentifiers</a>	<a href="#">23.008 clause 3B.1.4</a>	
<a href="#">3GPPAAAServerName</a>	<a href="#">23.008 clause 3B.1.6</a>	
<a href="#">wLANUERemoteIPAddress</a>	<a href="#">23.008 clause 3B.1.10</a>	
<a href="#">wLANAccess</a>	<a href="#">23.008 clause 3B.5.1</a>	
<a href="#">wLANTunnelling</a>	<a href="#">23.008 clause 3B.5.2</a>	
<a href="#">wLANDirectIPAccess</a>	<a href="#">23.008 clause 3B.5.3</a>	
<a href="#">wAPNAuthorised</a>	<a href="#">23.008 clause 3B.5.4</a>	
<a href="#">w-APNBarringType</a>	<a href="#">23.008 clause 3B.5.4.2</a>	
<a href="#">w-APNChargingData</a>	<a href="#">23.008 clause 3B.5.4.3</a>	
<a href="#">wLANUERemoteIPAddress</a>	<a href="#">23.008 clause 3B.5.4.4</a>	
<a href="#">accessIndependenceFlag</a>	<a href="#">23.008 clause 3B.5.5</a>	
<a href="#">i-WLANAccessType</a>	<a href="#">23.008 clause 3B.5.6</a>	
<a href="#">chargingData</a>	<a href="#">23.008 clause 3B.7.1</a>	
<a href="#">chargingCharacteristics</a>	<a href="#">23.008 clause 3B.7.1.1</a>	
<a href="#">primaryOCSChargingFunctionName</a>	<a href="#">23.008 clause 3B.7.2</a>	
<a href="#">secondaryOCSChargingFunctionName</a>	<a href="#">23.008 clause 3B.7.3</a>	

<a href="#">primaryChargingCollectionFunctionName</a>	<a href="#">23.008 clause 3B.7.4</a>	
<a href="#">secondaryChargingCollectionFunctionName</a>	<a href="#">23.008 clause 3B.7.5</a>	

<b>End of Change in Clause 6.5.1</b>
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## Annex A (informative): Change history

Change history							
Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
Dec 2003	S_22	SP-030617	--	--	Submitted to TSG SA#22 for Information	1.0.0	
Sep 2004	S_25	SP-040546	--	--	Submitted to TSG SA#25 for Approval	2.0.0	
Dec 2004	S_26	SP-040830	--	--	Submitted to TSG SA#26 for Approval	2.7.0	6.0.0



CR-Form-v7

## CHANGE REQUEST

⌘ **32.172 CR 003** ⌘ rev **-** ⌘ Current version: **6.0.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

**Proposed change affects:** UICC apps  ME  Radio Access Network  Core Network

**Title:** ⌘ Add Supplementary Service attributes – Align with CN4's 23.008 (Organisation of subscriber data)

**Source:** ⌘ SA5 (istvan.aba@t-mobile.at)

**Work item code:** ⌘ SuM **Date:** ⌘ 28/01/2005

<p><b>Category:</b> ⌘ <b>F</b></p> <p><i>Use one of the following categories:</i></p> <p><b>F</b> (correction)  <b>A</b> (corresponds to a correction in an earlier release)  <b>B</b> (addition of feature),  <b>C</b> (functional modification of feature)  <b>D</b> (editorial modification)</p> <p>Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a>.</p>	<p><b>Release:</b> ⌘ <b>Rel-6</b></p> <p><i>Use one of the following releases:</i></p> <p><b>2</b> (GSM Phase 2)  <b>R96</b> (Release 1996)  <b>R97</b> (Release 1997)  <b>R98</b> (Release 1998)  <b>R99</b> (Release 1999)  <b>Rel-4</b> (Release 4)  <b>Rel-5</b> (Release 5)  <b>Rel-6</b> (Release 6)</p>
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**Reason for change:** ⌘ To solve an open issue and to get specification consistent with TS 23.008

**Summary of change:** ⌘ The Supplementary Service attributes are added to the CS and PS object classes by adding new contained Object Classes

**Consequences if not approved:** ⌘ The specification will not be consistent with TS 23.008.

**Clauses affected:** ⌘ Sections 6.2.1, 6.3.17, 6.3.18, 6.5.1

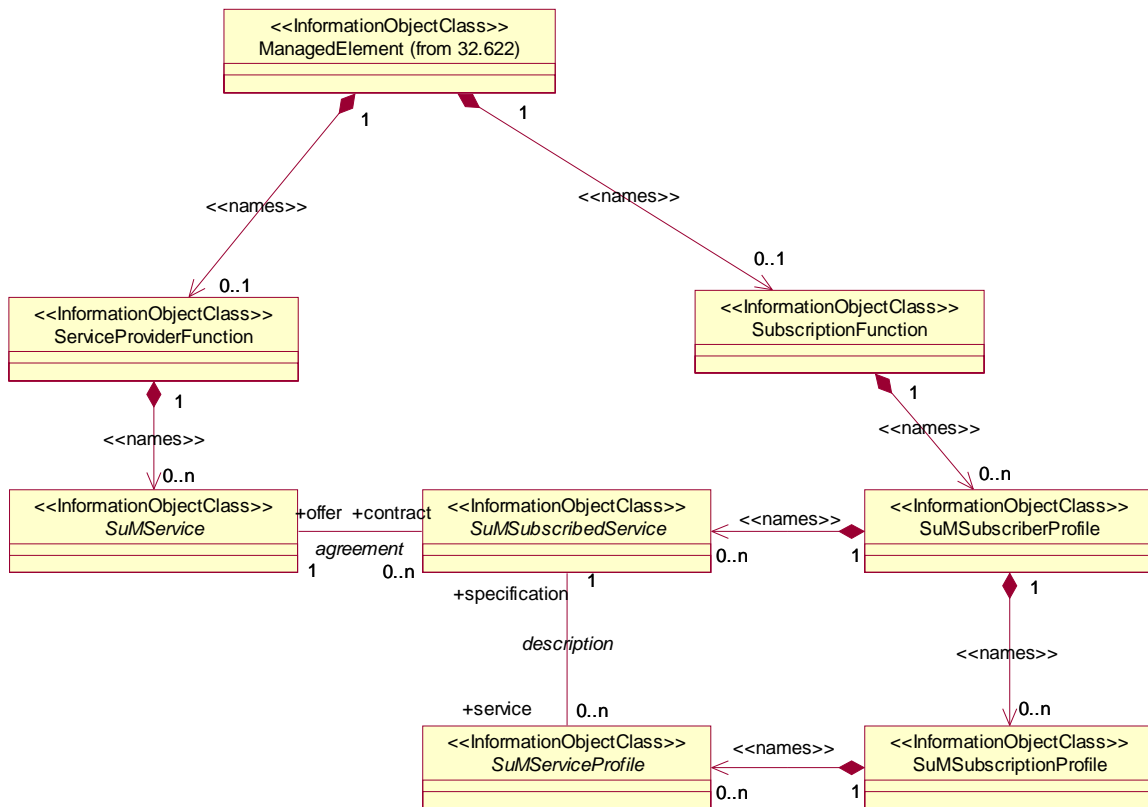
	<table border="1" style="border-collapse: collapse;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> </table>	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other core specifications ⌘	
Y	N						
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
<b>Other specs affected:</b>	<input checked="" type="checkbox"/>	Test specifications					
	<input checked="" type="checkbox"/>	O&M Specifications					

**Other comments:** ⌘

## Change in Clause 6.2.1

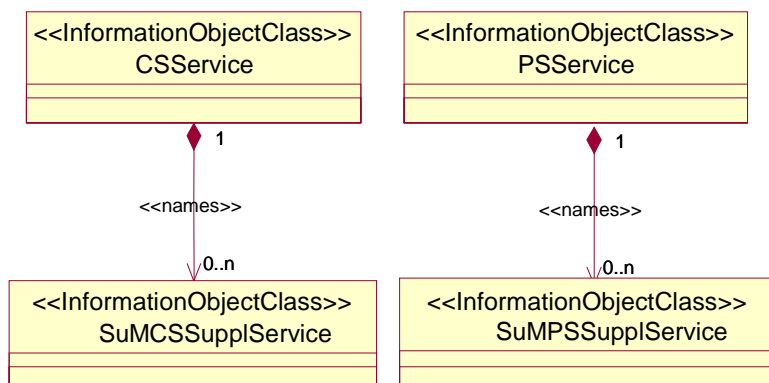
### 6.2.1 Attributes and relationships

This clause depicts the set of IOCs that encapsulate information relevant for this service. This sub-clause provides the overview of all information object classes in UML. Subsequent clauses provide more detailed specification of various aspects of these Information Object Classes (IOCs).

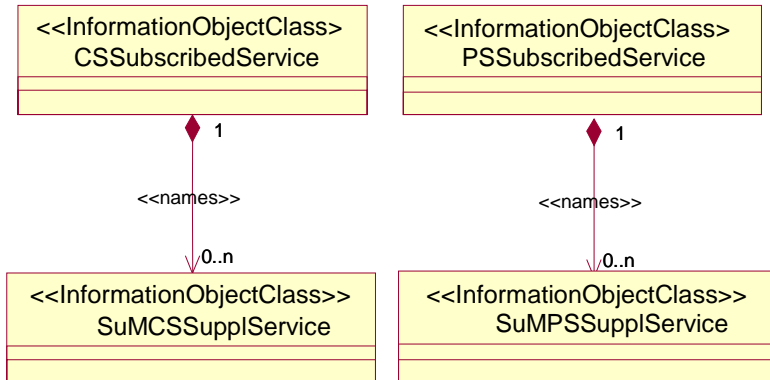


NOTE: The listed cardinality numbers represent transient as well as steady-state numbers, and reflect all managed object creation and deletion scenarios.

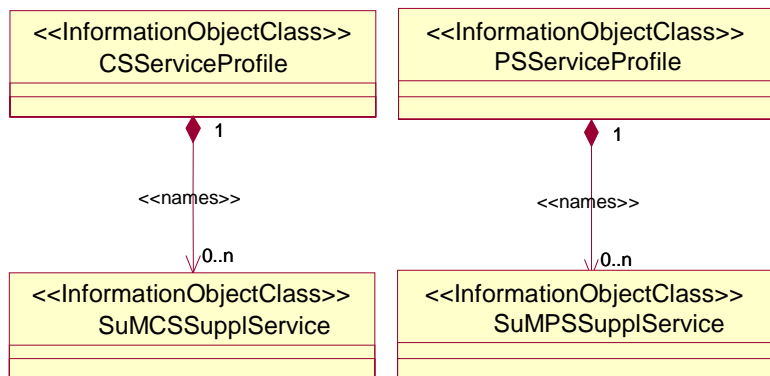
**Figure 1a: SuM NRM Containment/Naming and Association diagram**



**Figure 1b: SuM Supplementary Service NRM Containment/Naming and Association diagram 1**



**Figure 1c: SuM Supplementary Service NRM Containment/Naming and Association diagram 2**



**Figure 1d: SuM Supplementary Service NRM Containment/Naming and Association diagram 3**

**End of Change in Clause 6.2.1**

**Change in Clause 6.3.17**

### 6.3.17 SuMCSSupplService

#### 6.3.17.1 Definition

In this management context:

- a) [This class represents a Supplementary Service for a CS service \(see 3GPP TS 23.008 \[7\]\) provided by a service provider](#)
- b) [This class contains the valid parameters that define the CS supplementary service from subscription point of view.](#)

### 6.3.17.2 Attributes

#### Attributes of SuMCSSupplService

<u>Attribute name</u>	<u>Visibility</u>	<u>Support Qualifier</u>	<u>Read Qualifier</u>	<u>Write Qualifier</u>
<a href="#">sS-Code</a>	<a href="#">+</a>	<a href="#">M</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">provisioningState</a>	<a href="#">+</a>	<a href="#">M</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">activationState</a>	<a href="#">+</a>	<a href="#">M</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">registrationState</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">overrideCategory</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">cLIRestrictionOption</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">forwarded-toNumber</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">forwarded-toSubaddress</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">noReplyConditionTimer</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">maximumEntitledPriority</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">defaultPriority</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">nbrUser</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">nbrSB</a>	<a href="#">+</a>	<a href="#">O</a>	<a href="#">M</a>	<a href="#">M</a>

### 6.3.17.3 Attribute constraints

[The optional attributes shall be supported for the following criteria: The NE supports the parameter \(see TS 23.008 \[7\]\).](#)

## End of Change in Clause 6.3.17

## Change in Clause 6.3.18

### 6.3.18 SuMPSSupplService

#### 6.3.18.1 Definition

[In this management context:](#)

- a) [This class represents a Supplementary Service for a PS service \(see 3GPP TS 23.008 \[7\]\) provided by a service provider](#)
- b) [This class contains the valid parameters that define the PS supplementary service from subscription point of view.](#)

### 6.3.18.2 Attributes

#### Attributes of SuMPSSupplService

<u>Attribute name</u>	<u>Visibility</u>	<u>Support Qualifier</u>	<u>Read Qualifier</u>	<u>Write Qualifier</u>
<a href="#">sS-Code</a>	<a href="#">+</a>	<a href="#">M</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">provisioningState</a>	<a href="#">+</a>	<a href="#">M</a>	<a href="#">M</a>	<a href="#">M</a>
<a href="#">activationState</a>	<a href="#">+</a>	<a href="#">M</a>	<a href="#">M</a>	<a href="#">M</a>

### 6.3.18.3 Attribute constraints

[The optional attributes shall be supported for the following criteria: The NE supports the parameter \(See TS 23.008 \[7\]\).](#)

**End of Change in Clause 6.3.18**

**Change in Clause 6.5.1**

## 6.5.1 Definitions and legal values

The following table defines the attributes that are present in several IOCs of the present document.

**Table 6.5.1: Attributes**

Attribute Name	Definition	Legal Values
imSServiceId	An attribute whose 'name+value' can be used as an RDN when naming an instance of the IMSService object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	
cSServiceId	An attribute whose 'name+value' can be used as an RDN when naming an instance of the CSService object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	
pSServiceId	An attribute whose 'name+value' can be used as an RDN when naming an instance of the PSService object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	
cSServiceProfileId	An attribute whose 'name+value' can be used as an RDN when naming an instance of the CSServiceProfile object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	
pSServiceProfileId	An attribute whose 'name+value' can be used as an RDN when naming an instance of the PSServiceProfile object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	
imSServiceProfileId	An attribute whose 'name+value' can be used as an RDN when naming an instance of the IMSServiceProfile object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	
cSSubscribedServiceId	An attribute whose 'name+value' can be used as an RDN when naming an instance of the CSSubscribedService object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	

pSSubscribedServiceId	An attribute whose 'name+value' can be used as an RDN when naming an instance of the PSSubscribedService object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	
iMSSubscribedServiceId	An attribute whose 'name+value' can be used as an RDN when naming an instance of the IMSSubscribedService object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	
suMSubscriptionProfileId	An attribute whose 'name+value' can be used as an RDN when naming an instance of the SuMSubscriptionProfile object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	
userLabel	A user-friendly (and user assigned) name of the associated object. Inherited from ManagedFunction.	
agreement-contract	Models the agreement relationship to a subscribed service. This attribute contains a list of the DN(s) of the related SuMSubscribedService instance(s).	
agreement-offer	Models the agreement relationship to a service. An attribute whose 'name+value' can be used as DN when referencing an instance of the SuMService object class.	
description-service	Models the description relationship to a service profile. This attribute contains a list of the DN(s) of the related SuMServiceProfile instance(s).	
description-specification	Models the description relationship to a subscribed service. An attribute whose 'name+value' can be used as DN when referencing an instance of the SuMSubscribedService object class.	
iMSI	23.008 clause 2.1.1.1	
networkAccessMode	23.008 clause 2.1.1.2	
mSISDN	23.008 clause 2.1.2	
multinumberingMSISDNs	23.008 clause 2.1.3	
basicMSISDNIndicator	23.008 clause 2.1.3.1	
mSISDNAlertIndicator	23.008 clause 2.1.3.2	
lMSI	23.008 clause 2.1.8	
mobileStationCategory	23.008 clause 2.2.1	
lMUIdentifier	23.008 clause 2.2.2	
iMEISV	23.008 clause 2.2.3	
subscriptionRestriction	23.008 clause 2.4.10	
rSZIlists	23.008 clause 2.4.11.1	
mSCAreaRestrictedFlag	23.008 clause 2.4.12	
sGSNarearestrictedflag	23.008 clause 2.4.14	
oDBinducedBarringData	23.008 clause 2.4.15.1	
roamingRestrictionDueToUnsupportedFeature	23.008 clause 2.4.15.2	

roamingRestrictedintheSGSNduetounsupportedfeature	23.008 clause 2.4.15.3	
LSAIdentity	23.008 clause 2.4.17.1	
LSAPriority	23.008 clause 2.4.17.2	
LSAPreferentialAccessIndicator	23.008 clause 2.4.17.2A	
LSAActiveModeSupportIndicator	23.008 clause 2.4.17.2B	
LSAOnlyAccessIndicator	23.008 clause 2.4.17.3	
LSAActiveModeIndicator	23.008 clause 2.4.17.4	
vPLMNIIdentifier	23.008 clause 2.4.17.5	
accessRestrictionData	23.008 clause 2.4.18	
vLRNNumber	23.008 clause 2.4.5	
mSCNNumber	23.008 clause 2.4.6	
sGSNNumber	23.008 clause 2.4.8.1	
gGSNNumber	23.008 clause 2.4.8.2	
provisionOfBearerService	23.008 clause 2.5.1	
provisionOfTeleservice	23.008 clause 2.5.2	
bCAllocation	23.008 clause 2.5.3	
transferofSMoption	23.008 clause 2.5.4	
mNRG	23.008 clause 2.7.2	
checkSSIndicator	23.008 clause 2.7.4.4	
mSPurgedForNonGPRSFlag	23.008 clause 2.7.5	
mSPurgedforGPRSflag	23.008 clause 2.7.6	
subscriberStatus	23.008 clause 2.8.1	
barringOfOutgoingCalls	23.008 clause 2.8.2.1	
barringOfIncomingCalls	23.008 clause 2.8.2.2	
barringOfRoaming	23.008 clause 2.8.2.3	
barringOfPremiumRateCalls	23.008 clause 2.8.2.4	
barringOfSupplementaryServiceManagement	23.008 clause 2.8.2.5	
barringOfRegistrationOfCallForwarding	23.008 clause 2.8.2.6	
barringOfInvocationOfCallTransfer	23.008 clause 2.8.2.7	
barringofPacketOrientedServices	23.008 clause 2.8.2.8	
operatorDeterminedBarringPLMNsSpecificData	23.008 clause 2.8.3	
notificationToCSEFlagForODB	23.008 clause 2.8.4	
gsmSCFaddresslistForODB	23.008 clause 2.8.5	
messagesWaitingData	23.008 clause 2.10.1	
mobileStationNotReachableFlag	23.008 clause 2.10.2	
memoryCapacityExceededFlag	23.008 clause 2.10.3	
traceReference	23.008 clause 2.11.1	
traceType	23.008 clause 2.11.2	
operationsSystemsIdentity	23.008 clause 2.11.3	
hLRTraceType	23.008 clause 2.11.4	
mAPErrorOnTrace	23.008 clause 2.11.5	
traceActivatedInVLR	23.008 clause 2.11.6	
traceActivatedinSGSN	23.008 clause 2.11.7	
vGCsGroupMembershipList	23.008 clause 2.12.1	
vBSGroupMembershipList	23.008 clause 2.12.2	
broadcastCallInitiationAllowedList	23.008 clause 2.12.2.1	
pDPType	23.008 clause 2.13.1	
gGSNlist	23.008 clause 2.13.11	
qualityofServiceSubscribed	23.008 clause 2.13.12	
pDPAddress	23.008 clause 2.13.2	
pDPContextIdentifier	23.008 clause 2.13.24	
pDPContextChargingCharacteristics	23.008 clause 2.13.25	
accessPointName	23.008 clause 2.13.6	
vPLMNAddressAllowed	23.008 clause 2.13.8	
originatingCAMELSubscriptionInformationOCsI	23.008 clause 2.14.1.1/3.1	
gPRSCAMELSubscriptionInformationGPRSCsI	23.008 clause 2.14.1.10/2.14.4.4	
dialledServiceCAMELSubscriptionInformationDCsI	23.008 clause 2.14.1.11/3.7	
mobilityManagementforGPRSeventnotificationMGcSI	23.008 clause 2.14.1.12/2.14.4.4	
terminatingCAMELSubscriptionInformationTCsI	23.008 clause 2.14.1.2	
vMSCTerminatingCAMELSubscriptionInformationVTcSI	23.008 clause 2.14.1.2/3.2	
locationInformationSubscriberStateInformation	23.008 clause 2.14.1.3	
uSSDCAMELSubscriptionInformationUCsI	23.008 clause 2.14.1.4	
sSInvocationNotificationSScSI	23.008 clause 2.14.1.5/3.2	
translationInformationFlagTIFcSI	23.008 clause 2.14.1.6/3.6	
shortMessageServiceCAMELSubscriptionInformationMOSMSCsI	23.008 clause 2.14.1.8/2.14.3.5	



mOShortMessageServiceCAMELSubscriptionInformationMOSMSCSI	23.008 clause 2.14.1.8/2.14.4.1	
shortMessageServiceCAMELSubscriptionInformationMTSMSCSI	23.008 clause 2.14.1.9/2.14.3.6	
mTShortMessageServiceCAMELSubscriptionInformationMTSMSCSI	23.008 clause 2.14.1.9/2.14.4.2.	
gPRSCSINegotiatedCAMELCapabilityHandling	23.008 clause 2.14.2.1	
mCSINegotiatedCAMELCapabilityHandling	23.008 clause 2.14.2.1	
mGCSINegotiatedCAMELCapabilityHandling	23.008 clause 2.14.2.1	
mOSMSCSISGSNNegotiatedCAMELCapabilityHandling	23.008 clause 2.14.2.1	
mOSMSCSIVLRNegotiatedCAMELCapabilityHandling	23.008 clause 2.14.2.1	
mTSMSCSISGSNNegotiatedCAMELCapabilityHandling	23.008 clause 2.14.2.1	
mTSMSCSIVLRNegotiatedCAMELCapabilityHandling	23.008 clause 2.14.2.1	
oCSINegotiatedCAMELCapabilityHandling	23.008 clause 2.14.2.1	
sCSINegotiatedCAMELCapabilityHandling	23.008 clause 2.14.2.1	
vTCSINegotiatedCAMELCapabilityHandling	23.008 clause 2.14.2.1	
SGSNOfferedCAMEL4CSIs	23.008 clause 2.14.2.2A	
vLROfferedCAMEL4CSIs	23.008 clause 2.14.2.2A	
sGSNSupportedCAMELPhases	23.008 clause 2.14.2.3	
vLRSupportedCAMELPhases	23.008 clause 2.14.2.3	
gsmSCFAddressforCSI	23.008 clause 2.14.2.4	
uSSDGeneralCAMELServiceInformationUGCSI	23.008 clause 2.14.2.4	
iSTAlertTimer	23.008 clause 2.15.1	
privacyExceptionList	23.008 clause 2.16.1.1	
gMLCNumbers	23.008 clause 2.16.1.2	
mOLRList	23.008 clause 2.16.1.3	
serviceTypes	23.008 clause 2.16.1.4	
ageIndicator	23.008 clause 2.17.1	
cSAllocationRetentionpriority	23.008 clause 2.18.1	
subscribedChargingCharacteristics	23.008 clause 2.19.1	
privateUserIdentity	23.008 clause 3.1.1	
publicIdentity	23.008 clause 3.1.2	
barringIndication	23.008 clause 3.1.3	
listofauthorizedvisitednetworkidentifiers	23.008 clause 3.1.4	
registrationStatus	23.008 clause 3.2.1	
sCSCFName	23.008 clause 3.2.2	
diameterClientAddressofSCSCF	23.008 clause 3.2.3	
serverCapabilities	23.008 clause 3.4.1	
subscribedMediaProfileIdentifier	23.008 clause 3.5.1	
initialFilterCriteria	23.008 clause 3.5.2	
applicationServerInformation	23.008 clause 3.5.3	
serviceIndication	23.008 clause 3.5.4	
primaryEventChargingFunctionName	23.008 clause 3.7.1	
secondaryEventChargingFunctionName	23.008 clause 3.7.2	
primaryChargingCollectionFunctionName	23.008 clause 3.7.3	
secondaryChargingCollectionFunctionName	23.008 clause 3.7.4	
gsmSCFAddressforIMCSI	23.008 clause 3.8.4	
iMSSFAddressforIMCSI	23.008 clause 3.8.5	
oIMCSI	23.008 clause 3.8.1	
vTIMCSI	23.008 clause 3.8.2	
dIMCS	23.008 clause 3.8.3	
<a href="#">sS-Code</a>	<a href="#">23.008 clause 2.6, 29.002 clause 7.6.4.1</a>	
<a href="#">provisioningState</a>	<a href="#">23.008 clause 2.6, 29.002 clause 7.6.4.2</a>	
<a href="#">activationState</a>	<a href="#">23.008 clause 2.6, 29.002 clause 7.6.4.2</a>	
<a href="#">registrationState</a>	<a href="#">23.008 clause 2.6, 29.002 clause 7.6.4.2</a>	
<a href="#">overrideCategory</a>	<a href="#">23.008 clause 2.6, 29.002 clause 7.6.4.4</a>	
<a href="#">cLIRRestrictionOption</a>	<a href="#">23.008 clause 2.6, 29.002 clause 7.6.4.5</a>	
<a href="#">forwarded-toNumber</a>	<a href="#">23.008 clause 2.6, 29.002 clause 7.6.4.6</a>	
<a href="#">forwarded-toSubaddress</a>	<a href="#">23.008 clause 2.6, 29.002 clause 7.6.4.6</a>	
<a href="#">noReplyConditionTimer</a>	<a href="#">23.008 clause 2.6, 29.002 clause 7.6.4.7</a>	

<a href="#">maximumEntitledPriority</a>	<a href="#">23.008 clause 2.6, 29.002 clause 7.6.4.41</a>	
<a href="#">defaultPriority</a>	<a href="#">23.008 clause 2.6, 29.002 clause 7.6.4.41</a>	
<a href="#">nbrUser</a>	<a href="#">23.008 clause 2.6, 29.002 clause 7.6.4.47</a>	
<a href="#">nbrSB</a>	<a href="#">23.008 clause 2.6, 29.002 clause 7.6.4.47</a>	

<b>End of Change in Clause 6.5.1</b>
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## Annex A (informative): Change history

Change history							
Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
Dec 2003	S_22	SP-030617	--	--	Submitted to TSG SA#22 for Information	1.0.0	
Sep 2004	S_25	SP-040546	--	--	Submitted to TSG SA#25 for Approval	2.0.0	
Dec 2004	S_26	SP-040830	--	--	Submitted to TSG SA#26 for Approval	2.7.0	6.0.0