

Source: SA5 (Telecom Management)

Title: CR 32172-5 Subscription Management (SuM) Network Resource Model
IRP Information Service/XML definition

Document for: Approval

Agenda Item: 7.5.3

Doc-1st-Level	Spec_#	CR_#	R	Phase	Subject	Cat	Ver-Cur	Doc-2nd-Level	Workitem
SP-050269	32.172	0004	-	Rel-6	Add Rel-6 trace parameters to SuM - align with CT4's TS 23.008 (Organisation of subscriber data)	F	6.1.0	S5-052210	SuM
SP-050269	32.175	0001	-	Rel-6	Add Rel-6 trace parameters to SuM - - align with CT4's TS 23.008 (Organisation of subscriber data)	F	6.0.0	S5-052211	SuM

CHANGE REQUEST

№ 32.172 CR 0004 № rev - № Current version: 6.1.0 №

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 Rel-6 trace parameters to SuM - align with CT4's TS 23.008 (Organisation of subscriber data)		
Source:	№ SA5 Nokia (Gyula.bodog@nokia.com)		
Work item code:	№ SuM	Date:	№ 13/05/2005
Category:	№ F Use <u>one</u> of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .	Release:	№ Rel-6 Use <u>one</u> of the following releases: Ph2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6) Rel-7 (Release 7)

Reason for change:	№ To align 3GPP TS 32.172 with 3GPP CT4's TS 23.008 (Organisation of subscriber data)
Summary of change:	№ Rel-6 trace parameters have been added to the CSServiceProfile and to the PSServiceProfile
Consequences if not approved:	№ TS32.172 and TS 23.008 will not be aligned.

Clauses affected:	№									
Other specs affected:	№ <table><tr><td>Y</td><td>N</td></tr><tr><td>☐</td><td>☐</td></tr><tr><td>☐</td><td>☐</td></tr><tr><td>☒</td><td>☐</td></tr></table> Other core specifications Test specifications O&M Specifications	Y	N	☐	☐	☐	☐	☒	☐	№ 32.175
Y	N									
☐	☐									
☐	☐									
☒	☐									
Other comments:	№									

Change in Clause 6.3.12.2

Attribute name	Visibility	Support Qualifier	Read Qualifier	Write Qualifier
cSServiceProfileId	+	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
lSAPreferentialAccess Indicator	+	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	-
lMSI	+	M	M	-
mobileStationCategory	+	M	M	M
lMUIIdentifier	+	M	M	M
mSCNumber	+	M	M	-
subscriptionRestriction	+	M	M	M
mSCAreaRestrictedFlag	+	M	M	-
oDBinducedBarringData	+	M	M	-
roamingRestrictionDueToUnsupportedFeature	+	M	M	-
mNRR	+	M	M	-
subscriberStatus	+	M	M	M
notificationToCSEFlagForODB	+	M	M	-
gsmSCFaddresslistForODB	+	M	M	M
messagesWaitingData	+	M	M	-
mobileStationNotReachableFlag	+	M	M	-
memoryCapacityExceededFlag	+	M	M	-
traceReference	+	O	M	-
traceType	+	O	M	-
operationsSystemsIdentity	+	O	M	-
hLRTraceType	+	O	M	-
mAPErrorOnTrace	+	O	M	-
traceActivatedInVLR	+	O	M	-
provisionOfBearerService	+	M	M	M
provisionOfTeleservice	+	M	M	M
bCAllocation	+	O	M	M
checkSSIndicator	+	M	M	-
mSPurgedForNonGPRSFlag	+	M	M	-
barringOfOutgoingCalls	+	O	M	M
barringOfIncomingCalls	+	O	M	M
barringOfRoaming	+	O	M	M
barringOfPremiumRateCalls	+	O	M	M
barringOfSupplementaryServiceManagement	+	O	M	M
barringOfRegistrationOfCallForwarding	+	O	M	M
barringOfInvocationOfCallTransfer	+	O	M	M
operatorDeterminedBarringPLMNspecificData	+	O	M	M

vGCSGroupMembershipList	+	O	M	M
vBSGroupMembershipList	+	O	M	M
broadcastCallInitiationAllowedList	+	O	M	M
originatingCAMELSubscriptionInformationOCSI	+	O	M	M
terminatingCAMELSubscriptionInformationTCSI	+	O	M	M
vMSCTerminatingCAMELSubscriptionInformationVTCSI	+	O	M	M
locationInformationSubscriberStateInformation	+	O	M	M
uSSDCAMELSubscriptionInformationUCSI	+	O	M	M
sSInvocationNotificationSSCSI	+	O	M	M
translationInformationFlagTIFCSI	+	O	M	M
dialledServiceCAMELSubscriptionInformationDCSI	+	O	M	M
uSSDGeneralCAMELServiceInformationUGCSI	+	O	M	M
oCSINegotiatedCAMELCapabilityHandling	+	O	M	-
sSCSINegotiatedCAMELCapabilityHandling	+	O	M	-
vtCSINegotiatedCAMELCapabilityHandling	+	O	M	-
shortMessageServiceCAMELSubscriptionInformationMOSMSCSI	+	O	M	M
shortMessageServiceCAMELSubscriptionInformationMTSMSCSI	+	O	M	M
mOSMSCSIVLRNegotiatedCAMELCapabilityHandling	+	O	M	-
mTSMSCSIVLRNegotiatedCAMELCapabilityHandling	+	O	M	M
mCSINegotiatedCAMELCapabilityHandling	+	O	M	-
vLRSupportedCAMELPhases	+	O	M	-
gsmSCFaddressforCSI	+	O	M	M
vLROfferedCAMEL4CSIs	+	O	M	-
iSTAlertTimer	+	O	M	M
cSAllocationRetentionpriority	+	O	M	M
TraceReference2	+	O	M	-
TraceDepth	+	O	M	-
ListofNeTypestoTrace	+	O	M	-
TriggeringEvents	+	O	M	-
ListofInterfacestoTrace	+	O	M	-
	+	O	M	-

End of Change in Clause 6.3.12.2

Change in Clause 6.3.13.2

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
vLRNNumber	+	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
pDPTType	+	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
m0ShortMessageServiceCAMELSubscriptionInformationMOSMSCSI	+	O	M	M
mTShortMessageServiceCAMELSubscriptionInformationMTSMCSI	+	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
w-APN	+	O	M	M
listofauthorizedvisitednetworkidentifiers	+	O	M	M
3GPAAAServerName	+	O	M	-
wLANUERemoteIPAddress	+	O	M	M
wLANAccess	+	O	M	M
wLANTunnelling	+	O	M	M

wLANDirectIPAccess	+	O	M	M
wAPNAuthorised	+	O	M	M
w-APNBarringType	+	O	M	M
w-APNChargingData	+	O	M	M
wLANUERemoteIPAddress	+	O	M	M
accessIndependenceFlag	+	O	M	M
i-WLANAccessType	+	O	M	M
chargingData	+	O	M	M
chargingCharacteristics	+	O	M	M
primaryOCSCChargingFunctionName	+	O	M	M
secondaryOCSCChargingFunctionName	+	O	M	M
primaryChargingCollectionFunctionName	+	O	M	M
secondaryChargingCollectionFunctionName	+	O	M	M
TraceReference2	+	O	M	-
TraceDepth	+	O	M	-
ListofNeTypestoTrace	+	O	M	-
TriggeringEvents	+	O	M	-
ListofInterfacestoTrace	+	O	M	-

End of Change in Clause 6.3.13.2

Change in Clause 6.5.1

maximumEntitledPriority	23.008 clause 2.6 29.002 clause 7.6.4.41	
defaultPriority	23.008 clause 2.6 29.002 clause 7.6.4.41	
nbrUser	23.008 clause 2.6 29.002 clause 7.6.4.47	
nbrSB	23.008 clause 2.6 29.002 clause 7.6.4.47	
TraceReference2	23.008 Clause 2.11.9	
TraceDepth	23.008 Clause 2.11.10	
ListofNeTypestoTrace	23.008 Clause 2.11.11	
TriggeringEvents	23.008 Clause 2.11.12	
ListofInterfacestoTrace	23.008 Clause 2.11.13	

End of Change in Clause 6.5.1

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
Mar 2005	S_27	SP-050024	001	--	Add Generic Authentication Architecture (GAA) attributes – Align with CN4's 23.008 (Organisation of subscriber data)	6.0.0	6.1.0
Mar 2005	S_27	SP-050024	002	--	Add Interworking WLAN (I-WLAN) parameters – Align with CN4's 23.008 (Organisation of subscriber data)	6.0.0	6.1.0
Mar 2005	S_27	SP-050024	003	--	Add Supplementary Service attributes – Align with CN4's 23.008 (Organisation of subscriber data)	6.0.0	6.1.0

CHANGE REQUEST

№ 32.175 CR 0001 № rev - № Current version: 6.0.0 №

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Proposed change affects: UICC apps№ ☐ ME ☐ Radio Access Network ☐ Core Network ☒

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Source:	№ SA5 Nokia (Gyula.bodog@nokia.com)		
Work item code:	№ SuM	Date:	№ 13/05/2005
Category:	№ F Use <u>one</u> of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .	Release:	№ Rel-6 Use <u>one</u> of the following releases: Ph2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6) Rel-7 (Release 7)

Reason for change:	№ To align 3GPP TS 32.175 with 3GPP with CT4's TS 23.008 & SA5'sTS 32.172
Summary of change:	№ Rel-6 trace parameters have been added to the CSServiceProfile and to the PSServiceProfile
Consequences if not approved:	№ CT4's TS 23.008, SA5'sTS32.172 and TS 32.175 will not be aligned.

Clauses affected:	№									
Other specs affected:	№ <table><tr><td>Y</td><td>N</td></tr><tr><td>☐</td><td>☐</td></tr><tr><td>☐</td><td>☐</td></tr><tr><td>☐</td><td>☐</td></tr></table> Other core specifications Test specifications O&M Specifications	Y	N	☐	☐	☐	☐	☐	☐	№
Y	N									
☐	☐									
☐	☐									
☐	☐									
Other comments:	№									

Change in Annex A

```
<element
  name="CSServiceProfile"
  substitutionGroup="sn:SuMServiceProfile"
>
  <complexType>
    <complexContent>
      <extension base="xn:NrmClass">
        <sequence>
          <element name="attributes" minOccurs="0">
            <complexType>
              <all>
                <element name="descriptionSpecification" minOccurs="0"/>
                <element name="networkAccessMode" minOccurs="0"/>
                <element name="basicMSISDNIndicator" minOccurs="0"/>
                <element name="mSISDNAlertIndicator" minOccurs="0"/>
                <element name="vLRNumber" minOccurs="0"/>
                <element name="mSCNumber" minOccurs="0"/>
                <element name="subscriptionRestriction" minOccurs="0"/>
                <element name="rSZIlists" minOccurs="0"/>
                <element name="mSCAreaRestrictedFlag" minOccurs="0"/>
                <element name="oDBinducedBarringData" minOccurs="0"/>
              </all>
            </complexType>
          </element>
          <element
            name="roamingRestrictionDueToUnsupportedFeature"
            minOccurs="0"
          />
          <element name="ISAIdentity" minOccurs="0"/>
          <element name="ISAPriority" minOccurs="0"/>
          <element name="ISAPreferentialAccessIndicator" minOccurs="0"/>
          <element name="ISAActiveModeSupportIndicator" minOccurs="0"/>
          <element name="ISAOnlyAccessIndicator" minOccurs="0"/>
          <element name="ISAActiveModeIndicator" minOccurs="0"/>
          <element name="vPLMNIdentifier" minOccurs="0"/>
          <element name="accessRestrictionData" minOccurs="0"/>
          <element name="privacyExceptionList" minOccurs="0"/>
          <element name="gMLCNumbers" minOccurs="0"/>
          <element name="mOLRLList" minOccurs="0"/>
          <element name="serviceTypes" minOccurs="0"/>
          <element name="ageIndicator" minOccurs="0"/>
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          <element name="oDBinducedBarringData" minOccurs="0"/>
        </sequence>
        <element
          name="roamingRestrictionDueToUnsupportedFeature"
          minOccurs="0"
        />
        <element name="mNRR" minOccurs="0"/>
        <element name="subscriberStatus" minOccurs="0"/>
        <element name="notificationToCSEFlagForODB" minOccurs="0"/>
        <element name="gsmSCFaddresslistForODB" minOccurs="0"/>
        <element name="messagesWaitingData" minOccurs="0"/>
        <element name="mobileStationNotReachableFlag" minOccurs="0"/>
        <element name="memoryCapacityExceededFlag" minOccurs="0"/>
        <element name="traceReference" minOccurs="0"/>
        <element name="traceType" minOccurs="0"/>
      </extension>
    </complexContent>
  </complexType>
</element>
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<element name="mAPErrorOnTrace" minOccurs="0"/>
<element name="traceActivatedInVLR" minOccurs="0"/>
<element name="provisionOfBearerService" minOccurs="0"/>
<element name="provisionOfTeleservice" minOccurs="0"/>
<element name="bCAllocation" minOccurs="0"/>
<element name="checkSSIndicator" minOccurs="0"/>
<element name="mSPurgedForNonGPRSFlag" minOccurs="0"/>
<element name="barringOfOutgoingCalls" minOccurs="0"/>
<element name="barringOfIncomingCalls" minOccurs="0"/>
<element name="barringOfRoaming" minOccurs="0"/>
<element name="barringOfPremiumRateCalls" minOccurs="0"/>
<element
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  minOccurs="0"
/>
<element
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  minOccurs="0"
/>
<element
  name="barringOfInvocationOfCallTransfer"
  minOccurs="0"
/>
<element
  name="operatorDeterminedBarringPLMNspecificData"
  minOccurs="0"
/>
<element name="vGCSTGroupMembershipList" minOccurs="0"/>
<element name="vBSGroupMembershipList" minOccurs="0"/>
<element
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  minOccurs="0"
/>
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  minOccurs="0"
/>
<element
  name="terminatingCAMELSubscriptionInformationTCSI"
  minOccurs="0"
/>
<element
  name="vMSCSTerminatingCAMELSubscriptionInformationVTCSI"
  minOccurs="0"
/>
<element
  name="locationInformationSubscriberStateInformation"
  minOccurs="0"
/>
<element
  name="uSSDCAMELSubscriptionInformationUCSI"
  minOccurs="0"
/>
<element name="sSInvocationNotificationSSCSI" minOccurs="0"/>
<element
  name="translationInformationFlagTIFCSI"
  minOccurs="0"
/>
<element
  name="dialledServiceCAMELSubscriptionInformationDCSI"

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    minOccurs="0"
  />
  <element
    name="uSSDGeneralCAMELServiceInformationUGCSI"
    minOccurs="0"
  />
  <element
    name="oCSINegotiatedCAMELCapabilityHandling"
    minOccurs="0"
  />
  <element
    name="sSCSINegotiatedCAMELCapabilityHandling"
    minOccurs="0"
  />
  <element
    name="vTCSINegotiatedCAMELCapabilityHandling"
    minOccurs="0"
  />
  <element
    name="shortMessageServiceCAMELSubscriptionInformationMOSMSCSI"
    minOccurs="0"
  />
  <element
    name="shortMessageServiceCAMELSubscriptionInformationMTSMSCSI"
    minOccurs="0"
  />
  <element
    name="mOSMSCSIVLRNegotiatedCAMELCapabilityHandling"
    minOccurs="0"
  />
  <element
    name="mTSMSCSIVLRNegotiatedCAMELCapabilityHandling"
    minOccurs="0"
  />
  <element
    name="mCSINegotiatedCAMELCapabilityHandling"
    minOccurs="0"
  />
  <element name="vLRSupportedCAMELPhases" minOccurs="0"/>
  <element name="gsmSCFaddressforCSI" minOccurs="0"/>
  <element name="vLROfferedCAMEL4CSIs" minOccurs="0"/>
  <element name="iSTAlertTimer" minOccurs="0"/>
  <element name="cSAllocationRetentionpriority" minOccurs="0"/>
  <element name="traceReference2" minOccurs="0"/>
  <element name="TraceDepth" minOccurs="0"/>
  <element name="ListofNeTypestoTrace" minOccurs="0"/>
  <element name="TriggeringEvents" minOccurs="0"/>
  <element name="ListofInterfacestoTrace" minOccurs="0"/>

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<element name="sS-Code" minOccurs="0"/>
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<element name="activationState" minOccurs="0"/>
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<element name="forwarded-toNumber" minOccurs="0"/>
<element name="forwarded-toSubaddress" minOccurs="0"/>
<element name="noReplyConditionTimer" minOccurs="0"/>
<element name="maximumEntitledPriority" minOccurs="0"/>
<element name="defaultPriority" minOccurs="0"/>
<element name="nbrUser" minOccurs="0"/>

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        <element name="nbrSB" minOccurs="0"/>
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</complexType>
</element>
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</choice>
</sequence>
</extension>
</complexContent>
</complexType>
</element>

<element
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    substitutionGroup="sn:SuMServiceProfile"
>
    <complexType>
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            <extension base="xn:NrmClass">
                <sequence>
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                        <complexType>
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                                <element name="networkAccessMode" minOccurs="0"/>
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                                <element name="mSISDNAlertIndicator" minOccurs="0"/>
                                <element name="vLRNumber" minOccurs="0"/>
                                <element name="mSCNumber" minOccurs="0"/>
                                <element name="subscriptionRestriction" minOccurs="0"/>
                                <element name="rSZIlists" minOccurs="0"/>
                                <element name="mSCAreaRestrictedFlag" minOccurs="0"/>
                                <element name="oDBInducedBarringData" minOccurs="0"/>
                                <element
                                    name="roamingRestrictionDueToUnsupportedFeature"
                                    minOccurs="0"
                                />
                                <element name="ISAIdentity" minOccurs="0"/>
                                <element name="ISAPriority" minOccurs="0"/>
                                <element name="ISAPreferentialAccessIndicator" minOccurs="0"/>
                                <element name="ISAActiveModeSupportIndicator" minOccurs="0"/>
                                <element name="ISAOnlyAccessIndicator" minOccurs="0"/>
                                <element name="ISAActiveModeIndicator" minOccurs="0"/>
                                <element name="vPLMNIdentifier" minOccurs="0"/>
                                <element name="accessRestrictionData" minOccurs="0"/>
                                <element name="privacyExceptionList" minOccurs="0"/>
                                <element name="gMLCNumbers" minOccurs="0"/>
                                <element name="mOLRList" minOccurs="0"/>
                                <element name="serviceTypes" minOccurs="0"/>
                                <element name="ageIndicator" minOccurs="0"/>
                                <element name="sGSNNumber" minOccurs="0"/>
                                <element name="gGSNNumber" minOccurs="0"/>
                                <element name="sGSNarearestrictedflag" minOccurs="0"/>
                                <element
                                    name="roamingRestrictedintheSGSNduetounsupportedfeature"
                                    minOccurs="0"
                                />
                                <element name="mNRG" minOccurs="0"/>
                                <element name="traceActivatedinSGSN" minOccurs="0"/>
                                <element name="provisionofTeleservice" minOccurs="0"/>
                                <element name="transferofSMoption" minOccurs="0"/>

```

```

<element name="mSpurgedforGPRSflag" minOccurs="0"/>
<element
  name="barringofPacketOrientedServices"
  minOccurs="0"
/>
<element name="pDPType" minOccurs="0"/>
<element name="pDPAddress" minOccurs="0"/>
<element name="accessPointName" minOccurs="0"/>
<element name="vPLMNAddressAllowed" minOccurs="0"/>
<element name="gGSNlist" minOccurs="0"/>
<element name="qualityofServiceSubscribed" minOccurs="0"/>
<element name="pDPContextIdentifier" minOccurs="0"/>
<element
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  minOccurs="0"
/>
<element
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  minOccurs="0"
/>
<element
name="mTShortMessageServiceCAMELSubscriptionInformationMTSMSCSI"
  minOccurs="0"
/>
<element
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/>
<element
  name="mTSMSCSISGSNNegotiatedCAMELCapabilityHandling"
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/>
<element
  name="mobilityManagementforGPRSeventnotificationMGCSI"
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/>
<element
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  minOccurs="0"
/>
<element
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  minOccurs="0"
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<element name="sGSNOfferedCAMEL4CSIs" minOccurs="0"/>
<element name="gsmSCFaddressforCSI" minOccurs="0"/>
<element
  name="subscribedChargingCharacteristics"
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/>
<element name="w-APN" minOccurs="0"/>
<element
  name="listofauthorizedvisitednetworkidentifiers"
  minOccurs="0"
/>
<element name="wLANUERemoteIPaddress" minOccurs="0"/>
<element name="wLANAccess" minOccurs="0"/>

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<element name="wLANTunnelling" minOccurs="0"/>
<element name="wLANDirectIPAccess" minOccurs="0"/>
<element name="wAPNAuthorised" minOccurs="0"/>
<element name="w-APNBarringType" minOccurs="0"/>
<element name="w-APNChargingData" minOccurs="0"/>
<element name="wLANUERemoteIPAddress" minOccurs="0"/>
<element name="accessIndependenceFlag" minOccurs="0"/>
<element name="i-WLANAccessType" minOccurs="0"/>
<element name="chargingData" minOccurs="0"/>
<element name="chargingCharacteristics" minOccurs="0"/>
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<element
  name="secondaryOCSCChargingFunctionName"
  minOccurs="0"
/>
<element name="traceReference2" minOccurs="0"/>
<element name="TraceDepth" minOccurs="0"/>
<element name="ListofNeTypestoTrace" minOccurs="0"/>
<element name="TriggeringEvents" minOccurs="0"/>
<element name="ListofInterfacestoTrace" minOccurs="0"/>
<element
  name="primaryChargingCollectionFunctionName"
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/>
<element
  name="secondaryChargingCollectionFunctionName"
  minOccurs="0"
/>
<element name="sS-Code" minOccurs="0"/>
<element name="provisioningState" minOccurs="0"/>
<element name="activationState" minOccurs="0"/>
</all>
</complexType>
</element>
<choice minOccurs="0" maxOccurs="unbounded">
  <element ref="sn:SuMPSSupplService"/>
</choice>
</sequence>
</extension>
</complexContent>
</complexType>
</element>

```

End of Change in Annex A

Annex C (informative): Change history

Change history							
Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
Mar 2005	S_27	SP-050025	--	--	Submitted to TSG SA#27 for Approval	1.0.0	6.0.0