

**3GPP TSG CN Plenary Meeting #22**  
**10<sup>th</sup> – 12<sup>th</sup> December 2003 Maui, USA.**

**NP-030501**

**Source:** TSG CN WG4  
**Title:** Corrections on IP-based multimedia services Sh-interface  
**Agenda item:** 8.1  
**Document for:** APPROVAL

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Spec	CR	Rev	Doc-2nd-Level	Phase	Subject	Cat	Ver_C
29.328	038		N4-031097	Rel-5	XML Schema Correction	F	5.5.0
29.328	041		N4-031356	Rel-5	The extensibility of the XML schema	F	5.5.0

CR-Form-v7

## CHANGE REQUEST

⌘ **29.328 CR 038** ⌘ rev **-** ⌘ Current version: **5.5.0** ⌘

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>	⌘ XML Schema Correction		
<b>Source:</b>	⌘ CN4		
<b>Work item code:</b>	⌘ IMS-CCR	<b>Date:</b>	⌘ 10/10/2003
<b>Category:</b>	⌘ <b>F</b>	<b>Release:</b>	⌘ Rel-5
	Use <u>one</u> of the following categories: <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> .		Use <u>one</u> of the following releases: 2 (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)

<b>Reason for change:</b>	⌘ <b>This is an essential correction.</b> To correct syntax errors in the XML schema
<b>Summary of change:</b>	⌘ Define the type tServiceData in table D.2 and in the attached .xsd file
<b>Consequences if not approved:</b>	⌘ incorrect schema may result in interoperability problems.

<b>Clauses affected:</b>	⌘ table D.2, .xsd file										
<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;">⌘</td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">⌘</td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">⌘</td> <td style="text-align: center;">X</td> </tr> </table> Other core specifications ⌘ Test specifications ⌘ O&M Specifications ⌘	Y	N	⌘	X	⌘	X	⌘	X		
Y	N										
⌘	X										
⌘	X										
⌘	X										
<b>Other comments:</b>	⌘										

**How to create CRs using this form:**

Comprehensive information and tips about how to create CRs can be found at <http://www.3gpp.org/specs/CR.htm>. Below is a brief summary:

- 1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under <ftp://ftp.3gpp.org/specs/>. For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.



Table D.2: XML schema for Sh interface: complex data types

Data type	Tag	Compound of		
		Tag	Type	Cardinality
tSh-Data	Sh-Data	PublicIdentifiers	tPublicIdentity	0 to 1
		RepositoryData	tTransparentData	0 to 1
		Sh-IMS-Data	tShIMSData	0 to 1
		CSLocationInformation	tCSLocationInformation	0 to 1
		PSLocationInformation	tPSLocationInformation	0 to 1
		CSUserState	tCSUserState	0 to 1
		PSUserState	tPSUserState	0 to 1
tTransparentData	RepositoryData	ServiceIndication	string	1
		SequenceNumber	tSequenceNumber	1
		ServiceData	<del>tServiceData</del> <del>anonymous complex type</del> string	0 to 1
<a href="#">tServiceData</a>	<a href="#">any</a>	<a href="#">any</a>	<a href="#">any</a>	<a href="#">1</a>
tShIMSData	Sh-IMS-Data	SCSCFName	tSIP_URL	0 to 1
		InitialFilterCriteria	tInitialFilterCriteria	0 to n
		IMSUserState	tIMSUserState	0 to 1
		ChargingInformation	tChargingInformation	0 to 1
tCSLocationInformation	CSLocationInformation	LocationNumber	tLocationNumber	0 to 1
		CellGlobalId	tCellGlobalId	0 to 1
		ServiceAreaId	tServiceAreaId	0 to 1
		LocationAreaId	tLocationAreaId	0 to 1
		GeographicalInformation	tGeographicalInformation	0 to 1

		GeodeticInformation	tGeodeticInformation	0 to 1
		VLRNumber	tISDNAddress	0 to 1
		MSCNumber	tISDNAddress	0 to 1
		CurrentLocationRetrieved	tBool	0 to 1
		AgeOfLocationInformation	tAgeOfLocationInformation	0 to 1
tPSLocationInformation	PSLocationInformation	CellGlobalId	tCellGlobalId	0 to 1
		ServiceAreaId	tServiceAreaId	0 to 1
		LocationAreaId	tLocationAreaId	0 to 1
		RoutingAreaId	tRoutingAreaId	0 to 1
		GeographicalInformation	tGeographicalInformation	0 to 1
		GeodeticInformation	tGeodeticInformation	0 to 1
		SGSNNumber	tISDNAddress	0 to 1
		CurrentLocationRetrieved	tBool	0 to 1
		AgeOfLocationInformation	tAgeOfLocationInformation	0 to 1
tPublicIdentity	PublicIdentity	IMSPublicIdentity	tIMSPublicIdentity	0 to n
		MSISDN	tMSISDN	0 to n
tInitialFilterCriteria	InitialFilterCriteria	Priority	tPriority	1
		TriggerPoint	tTrigger	0 to 1
		ApplicationServer	tApplicationServer	1
tTrigger	TriggerPoint	ConditionTypeCNF	tBool	1

		SPT	tSePoTri	0 to n	
tSePoTri	SPT	ConditionNegated	tBool	0 to 1	
		Group	tGroupID	1 to n	
		Choice of	RequestURI	tString	1
			Method	tString	1
			SIPHeader	tHeader	1
			SessionCase	tDirectionOfRequest	1
SessionDescription	tSessionDescription		1		
tHeader	SIPHeader	Header	tString	1	
		Content	tString	0 to 1	
tSessionDescription	SessionDescription	Line	tString	1	
		Content	tString	0 to 1	
tApplicationServer	ApplicationServer	ServerName	tSIP_URL	1	
		DefaultHandling	tDefaultHandling	0 to 1	
		ServiceInfo	tServiceInfo	0 to 1	
tChargingInformation	ChargingInformation	PrimaryEventChargingFunctionName	tDiameterURI	0 to 1	
		SecondaryEventChargingFunctionName	tDiameterURI	0 to 1	
		PrimaryChargingCollectionFunctionName	tDiameterURI	0 to 1	
		SecondaryChargingCollectionFunctionName	tDiameterURI	0 to 1	

NOTE: "n" shall be interpreted as non-bounded.

## CHANGE REQUEST

⌘ **29.328 CR 041** ⌘ rev **-** ⌘ Current version: **5.5.0** ⌘

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>	⌘ The extensibility of the XML schema		
<b>Source:</b>	⌘ CN4		
<b>Work item code:</b>	⌘ IMS-CCR	<b>Date:</b>	⌘ 30/10/2003
<b>Category:</b>	⌘ <b>F</b>	<b>Release:</b>	⌘ Rel-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	<b>F</b> (correction)		2 (GSM Phase 2)
	<b>A</b> (corresponds to a correction in an earlier release)		R96 (Release 1996)
	<b>B</b> (addition of feature),		R97 (Release 1997)
	<b>C</b> (functional modification of feature)		R98 (Release 1998)
	<b>D</b> (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a> .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

<b>Reason for change:</b>	⌘ Essential correction. The current Sh XML schema defines several complex types to be extensible. However the extensibility is defined in the form of <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/> The value "##other" of the attribute <i>namespace</i> means that the validator shall check that the extensions are from a different namespace than the default namespace of the schema. To avoid the definition of separate namespaces for the future extensions (e.g. Rel-6) the <i>namespace</i> attribute shall have the value "##any".
<b>Summary of change:</b>	⌘ It is proposed to remove the attribute <i>namespace</i> from the <i>any</i> elements of complex types in XML schema. This causes the default value "##any" to be used for the <i>namespace</i> attribute.
<b>Consequences if not approved:</b>	⌘ Interoperability problems.

<b>Clauses affected:</b>	⌘ ShDataType.xsd file						
<b>Other specs affected:</b>	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 20px;">Y</td> <td style="width: 20px;">N</td> </tr> <tr> <td style="width: 20px;"><input type="checkbox"/></td> <td style="width: 20px;"><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"/>						
	<input checked="" type="checkbox"/>	Test specifications					
	<input checked="" type="checkbox"/>	O&M Specifications					
<b>Other comments:</b>	⌘ Similar correction is proposed to Cx XML schema too.						

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- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

```
<?xml version="1.0" encoding="UTF-8"?>

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified"
attributeFormDefault="unqualified">

  <xs:simpleType name="tSIP_URL" final="list restriction">
    <xs:restriction base="xs:anyURI"/>
  </xs:simpleType>

  <xs:simpleType name="tTEL_URL" final="list restriction">
    <xs:restriction base="xs:anyURI"/>
  </xs:simpleType>

  <xs:simpleType name="tDiameterURI" final="list restriction">
    <xs:restriction base="xs:anyURI"/>
  </xs:simpleType>

  <xs:simpleType name="tIMSPublicIdentity" final="#all">
    <xs:union memberTypes="tSIP_URL tTEL_URL"/>
  </xs:simpleType>

  <xs:simpleType name="tServiceInfo" final="list restriction">
    <xs:restriction base="xs:string">
      <xs:minLength value="0"/>
    </xs:restriction>
  </xs:simpleType>

  <xs:simpleType name="tString" final="list restriction">
    <xs:restriction base="xs:string">
      <xs:minLength value="0"/>
    </xs:restriction>
  </xs:simpleType>

  <xs:simpleType name="tMSISDN" final="list restriction">
    <xs:restriction base="xs:string">
      <xs:minLength value="0"/>
    </xs:restriction>
  </xs:simpleType>

  <xs:simpleType name="tIMSUserState" final="list restriction">
    <xs:restriction base="xs:unsignedByte">
      <xs:maxInclusive value="3"/>
      <xs:enumeration value="0">
        <xs:annotation>
```

```
<xs:documentation>
  <label xml:lang="en">NOT_REGISTERED</label>
  <definition xml:lang="en">Not registered</definition>
</xs:documentation>
</xs:annotation>
</xs:enumeration>
<xs:enumeration value="1">
  <xs:annotation>
    <xs:documentation>
      <label xml:lang="en">REGISTERED</label>
      <definition xml:lang="en">Registered</definition>
    </xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="2">
  <xs:annotation>
    <xs:documentation>
      <label xml:lang="en">REGISTERED_UNREG_SERVICES</label>
      <definition xml:lang="en">Registered, with services for unregistered</definition>
    </xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="3">
  <xs:annotation>
    <xs:documentation>
      <label xml:lang="en">AUTHENTICATION_PENDING </label>
      <definition xml:lang="en">Pending of authentication</definition>
    </xs:documentation>
  </xs:annotation>
</xs:enumeration>
</xs:restriction>
</xs:simpleType>
<xs:simpleType name="tCSUserState" final="list restriction">
  <xs:restriction base="xs:unsignedByte">
    <xs:maxInclusive value="3"/>
  </xs:restriction>
</xs:simpleType>
```

```
<xs:enumeration value="0">
  <xs:annotation>
    <xs:documentation>
      <label xml:lang="en">CAMELBusy</label>
    </xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="1">
  <xs:annotation>
    <xs:documentation>
      <label xml:lang="en">NetworkDeterminedNotReachable</label>
    </xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="2">
  <xs:annotation>
    <xs:documentation>
      <label xml:lang="en">AssumedIdle</label>
    </xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="3">
  <xs:annotation>
    <xs:documentation>
      <label xml:lang="en">NotProvidedFromVLR</label>
    </xs:documentation>
  </xs:annotation>
</xs:enumeration>
</xs:restriction>
</xs:simpleType>
<xs:simpleType name="tPSUserState" final="list restriction">
  <xs:restriction base="xs:unsignedByte">
    <xs:maxInclusive value="5"/>
    <xs:enumeration value="0">
      <xs:annotation>
```

```
<xs:documentation>
  <label xml:lang="en">Detached </label>
</xs:documentation>
</xs:annotation>
</xs:enumeration>
<xs:enumeration value="1">
  <xs:annotation>
    <xs:documentation>
      <label xml:lang="en">AttachedNotReachableForPaging</label>
    </xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="2">
  <xs:annotation>
    <xs:documentation>
      <label xml:lang="en">AttachedReachableForPaging</label>
    </xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="3">
  <xs:annotation>
    <xs:documentation>
      <label xml:lang="en">ConnectedNotReachableForPaging</label>
    </xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="4">
  <xs:annotation>
    <xs:documentation>
      <label xml:lang="en">ConnectedReachableForPaging</label>
    </xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="5">
  <xs:annotation>
```

```
<xs:documentation>
  <label xml:lang="en">notProvidedFromSGSN</label>
</xs:documentation>
</xs:annotation>
</xs:enumeration>
</xs:restriction>
</xs:simpleType>
<xs:simpleType name="tLocationNumber" final="list restriction">
  <xs:restriction base="xs:string">
    <xs:minLength value="4"/>
    <xs:maxLength value="16"/>
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="tCellGlobalId" final="list restriction">
  <xs:restriction base="xs:string">
    <xs:length value="12"/>
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="tServiceAreaId" final="list restriction">
  <xs:restriction base="xs:string">
    <xs:length value="12"/>
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="tLocationAreaId" final="list restriction">
  <xs:restriction base="xs:string">
    <xs:length value="8"/>
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="tRoutingAreaId" final="list restriction">
  <xs:restriction base="xs:string">
    <xs:length value="8"/>
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="tGeographicalInformation" final="list restriction">
  <xs:restriction base="xs:string">
```

```
<xs:length value="12"/>
</xs:restriction>
</xs:simpleType>
<xs:simpleType name="tGeodeticInformation" final="list restriction">
  <xs:restriction base="xs:string">
    <xs:length value="16"/>
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="tAddressString" final="list restriction">
  <xs:restriction base="xs:string">
    <xs:minLength value="4"/>
    <xs:maxLength value="28"/>
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="tSelectedLSAIdentity" final="list restriction">
  <xs:restriction base="xs:string">
    <xs:length value="4"/>
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="tPriority" final="list restriction">
  <xs:restriction base="xs:int">
    <xs:minInclusive value="0"/>
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="tGroupID" final="list restriction">
  <xs:restriction base="xs:int">
    <xs:minInclusive value="0"/>
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="tID" final="list restriction">
  <xs:restriction base="xs:int">
    <xs:minInclusive value="0"/>
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="tDirectionOfRequest" final="list restriction">
```

```
<xs:restriction base="xs:unsignedByte">
  <xs:maxInclusive value="3"/>
  <xs:enumeration value="0">
    <xs:annotation>
      <xs:documentation>
        <label xml:lang="en">ORIGINATING_SESSION</label>
        <definition xml:lang="en">Originating Session</definition>
      </xs:documentation>
    </xs:annotation>
  </xs:enumeration>
  <xs:enumeration value="1">
    <xs:annotation>
      <xs:documentation>
        <label xml:lang="en">TERMINATING_SESSION</label>
        <definition xml:lang="en">Terminating Session</definition>
      </xs:documentation>
    </xs:annotation>
  </xs:enumeration>
  <xs:enumeration value="2">
    <xs:annotation>
      <xs:documentation>
        <label xml:lang="en">TERMINATING_UNREGISTERED</label>
        <definition xml:lang="en">Terminating Session for unregistered user</definition>
      </xs:documentation>
    </xs:annotation>
  </xs:enumeration>
</xs:restriction>
</xs:simpleType>
<xs:simpleType name="tDefaultHandling" final="list restriction">
  <xs:restriction base="xs:unsignedByte">
    <xs:maxInclusive value="1"/>
    <xs:enumeration value="0">
      <xs:annotation>
        <xs:documentation>
          <label xml:lang="en">SESSION_CONTINUED</label>
```



```

        <definition xml:lang="en">Session Continued</definition>
    </xs:documentation>
</xs:annotation>
</xs:enumeration>
<xs:enumeration value="1">
    <xs:annotation>
        <xs:documentation>
            <label xml:lang="en">SESSION_TERMINATED</label>
            <definition xml:lang="en">Session Terminated</definition>
        </xs:documentation>
    </xs:annotation>
</xs:enumeration>
</xs:restriction>
</xs:simpleType>
<xs:simpleType name="tAgeOfLocationInformation" final="list restriction">
    <xs:restriction base="xs:int">
        <xs:minInclusive value="0"/>
        <xs:maxInclusive value="32767"/>
    </xs:restriction>
</xs:simpleType>
<xs:simpleType name="tBool">
    <xs:restriction base="xs:boolean"/>
</xs:simpleType>
<xs:simpleType name="tSequenceNumber" final="list restriction">
    <xs:restriction base="xs:int">
        <xs:minInclusive value="0"/>
        <xs:maxInclusive value="65535"/>
    </xs:restriction>
</xs:simpleType>
<xs:complexType name="tSh-Data">
    <xs:sequence>
        <xs:element name="PublicIdentifiers" type="tPublicIdentity" minOccurs="0"/>
        <xs:element name="RepositoryData" type="tTransparentData" minOccurs="0"/>
        <xs:element name="Sh-IMS-Data" type="tShIMSData" minOccurs="0"/>
        <xs:element name="CSLocationInformation" type="tCSLocationInformation" minOccurs="0"/>
    </xs:sequence>

```

```

    <xs:element name="PSLocationInformation" type="tPSLocationInformation" minOccurs="0"/>
    <xs:element name="CSUserState" type="tCSUserState" minOccurs="0"/>
    <xs:element name="PSUserState" type="tPSUserState" minOccurs="0"/>
    <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>
<xs:complexType name="tTransparentData">
  <xs:sequence>
    <xs:element name="ServiceIndication" type="tString"/>
    <xs:element name="SequenceNumber" type="tSequenceNumber"/>
    <xs:element name="ServiceData" minOccurs="0" >
      <xs:any namespace="##other" processContents="lax" />
    </xs:element>
    <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>
<xs:complexType name="tShIMSData">
  <xs:sequence>
    <xs:element name="SCSCFName" type="tSIP_URL" minOccurs="0"/>
    <xs:element name="InitialFilterCriteria" type="tInitialFilterCriteria" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="IMSUserState" type="tIMSUserState" minOccurs="0"/>
    <xs:element name="ChargingInformation" type="tChargingInformation" minOccurs="0"/>
    <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>
<xs:complexType name="tCSLocationInformation">
  <xs:sequence>
    <xs:element name="LocationNumber" type="tLocationNumber" minOccurs="0"/>
    <xs:choice>
      <xs:element name="CellGlobalId" type="tCellGlobalId" minOccurs="0"/>
      <xs:element name="ServiceAreaId" type="tServiceAreaId" minOccurs="0"/>
      <xs:element name="LocationAreaId" type="tLocationAreaId" minOccurs="0"/>
    </xs:choice>
    <xs:element name="GeographicalInformation" type="tGeographicalInformation" minOccurs="0"/>
  </xs:sequence>

```

```

<xs:element name="GeodeticInformation" type="tGeodeticInformation" minOccurs="0"/>
<xs:element name="VLRNumber" type="tISDNAddress" minOccurs="0"/>
<xs:element name="MSCNumber" type="tISDNAddress" minOccurs="0"/>
<xs:element name="CurrentLocationRetrieved" type="tBool" minOccurs="0"/>
<xs:element name="AgeOfLocationInformation" type="tAgeOfLocationInformation" minOccurs="0"/>
<xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>
</xs:sequence>
</xs:complexType>
<xs:complexType name="tPSLocationInformation">
  <xs:sequence>
    <xs:choice>
      <xs:element name="CellGlobalId" type="tCellGlobalId" minOccurs="0"/>
      <xs:element name="ServiceAreaId" type="tServiceAreaId" minOccurs="0"/>
      <xs:element name="LocationAreaId" type="tLocationAreaId" minOccurs="0"/>
    </xs:choice>
    <xs:element name="RoutingAreaId" type="tRoutingAreaId" minOccurs="0"/>
    <xs:element name="GeographicalInformation" type="tGeographicalInformation" minOccurs="0"/>
    <xs:element name="GeodeticInformation" type="tGeodeticInformation" minOccurs="0"/>
    <xs:element name="SGSNNumber" type="tISDNAddress" minOccurs="0"/>
    <xs:element name="CurrentLocationRetrieved" type="tBool" minOccurs="0"/>
    <xs:element name="AgeOfLocationInformation" type="tAgeOfLocationInformation" minOccurs="0"/>
    <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>
<xs:complexType name="tISDNAddress">
  <xs:sequence>
    <xs:element name="Address" type="tAddressString" maxOccurs="9"/>
  </xs:sequence>
</xs:complexType>
<xs:complexType name="tPublicIdentity">
  <xs:sequence>
    <xs:element name="IMSPublicIdentity" type="tIMSPublicIdentity" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="MSISDN" type="tMSISDN" minOccurs="0" maxOccurs="unbounded"/>
  </xs:sequence>

```

```

</xs:complexType>
<xs:complexType name="tInitialFilterCriteria">
  <xs:sequence>
    <xs:element name="Priority" type="tPriority"/>
    <xs:element name="TriggerPoint" type="tTrigger" minOccurs="0"/>
    <xs:element name="ApplicationServer" type="tApplicationServer"/>
    <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>
<xs:complexType name="tTrigger">
  <xs:sequence>
    <xs:element name="ConditionTypeCNF" type="tBool"/>
    <xs:element name="SPT" type="tSePoTri" minOccurs="0" maxOccurs="unbounded"/>
    <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>
<xs:complexType name="tSePoTri">
  <xs:sequence>
    <xs:element name="ConditionNegated" type="tBool" minOccurs="0"/>
    <xs:element name="Group" type="tGroupID" maxOccurs="unbounded"/>
    <xs:choice>
      <xs:element name="RequestURI" type="tString"/>
      <xs:element name="Method" type="tString"/>
      <xs:element name="SIPHeader" type="tHeader"/>
      <xs:element name="SessionCase" type="tDirectionOfRequest"/>
      <xs:element name="SessionDescription" type="tSessionDescription"/>
    </xs:choice>
    <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>
<xs:complexType name="tSessionDescription">
  <xs:sequence>
    <xs:element name="Line" type="tString"/>
    <xs:element name="Content" type="tString" minOccurs="0"/>
  </xs:sequence>

```

```
</xs:complexType>
<xs:complexType name="tHeader">
  <xs:sequence>
    <xs:element name="Header" type="tString"/>
    <xs:element name="Content" type="tString" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
<xs:complexType name="tApplicationServer">
  <xs:sequence>
    <xs:element name="ServerName" type="tSIP_URL"/>
    <xs:element name="DefaultHandling" type="tDefaultHandling" minOccurs="0"/>
    <xs:element name="ServiceInfo" type="tServiceInfo" minOccurs="0"/>
    <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>
<xs:complexType name="tChargingInformation">
  <xs:sequence>
    <xs:element name="PrimaryEventChargingFunctionName" type="tDiameterURI" minOccurs="0" />
    <xs:element name="SecondaryEventChargingFunctionName" type="tDiameterURI" minOccurs="0" />
    <xs:element name="PrimaryChargingCollectionFunctionName" type="tDiameterURI" minOccurs="0" />
    <xs:element name="SecondaryChargingCollectionFunctionName" type="tDiameterURI" minOccurs="0" />
  </xs:sequence>
</xs:complexType>
<xs:element name="Sh-Data" type="tSh-Data"/>
</xs:schema>
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