

**Source:** SA5 (Telecom Management)  
**Title:** 15 Rel-4/5 CR 32.64x/65x/615 (Configuration Management;  
 UTRAN/GERAN/Bulk CM IRP) : Deletion of attribute relationType  
**Document for:** Approval  
**Agenda Item:** 7.5.3

Doc-1st-	Spec	CR	R	Ph	Subject	Ca	Ver	Doc-2nd-	Workitem	Relation
SP-030283	32.642	011	-	Rel-4	Deletion of UTRAN attribute relationType	F	4.2.0	S5-036573	OAM-CM	Parent
SP-030283	32.642	012	-	Rel-5	Deletion of UTRAN attribute relationType	A	5.1.1	S5-036643	OAM-CM	Mirror
SP-030283	32.615	004	-	Rel-4	Deletion of attribute relationType in XML Schema.	F	4.2.0	S5-036646	OAM-CM	Child
SP-030283	32.643	003	-	Rel-4	Deletion of UTRAN attribute relationType from CORBA SS	F	4.1.0	S5-036644	OAM-CM	Child
SP-030283	32.643	004	-	Rel-5	Deletion of UTRAN attribute relationType from CORBA SS.	A	5.0.0	S5-036645	OAM-CM	Mirror
SP-030283	32.644	002	-	Rel-4	Removal of relationType	F	4.1.1	S5-036663	OAM-CM	Child
SP-030283	32.644	003	-	Rel-5	Removal of relationType	A	5.0.0	S5-036664	OAM-CM	Mirror
SP-030283	32.645	001	-	Rel-5	Deletion of UTRAN attribute relationType in XML Schema.	F	5.0.0	S5-036675	OAM-CM	Child
SP-030283	32.652	013	-	Rel-4	Deletion of GERAN attribute relationType	F	4.4.0	S5-036579	OAM-CM	Parent
SP-030283	32.652	014	-	Rel-5	Deletion of GERAN attribute relationType	A	5.0.1	S5-036648	OAM-CM	Mirror. Parent to S5-036651
SP-030283	32.653	004	-	Rel-4	Deletion of GERAN attribute relationType from CORBA SS	F	4.1.0	S5-036649	OAM-CM	Child
SP-030283	32.653	005	-	Rel-5	Deletion of GERAN attribute relationType from CORBA SS	A	5.0.1	S5-036650	OAM-CM	Mirror
SP-030283	32.654	004	-	Rel-4	Removal of relationType	F	4.1.0	S5-036665	OAM-CM	Child
SP-030283	32.654	005	-	Rel-5	Removal of relationType	A	5.0.0	S5-036666	OAM-CM	Mirror
SP-030283	32.655	001	-	Rel-5	Deletion of GERAN attribute relationType in XML Schema.	F	5.0.0	S5-036651	OAM-NIM	Child to S5-036648

## CHANGE REQUEST

⌘ **32.615 CR 004** ⌘ rev **-** ⌘ Current version: **4.2.0** ⌘

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>	⌘ Deletion of attribute relationType in XML Schema.		
<b>Source:</b>	⌘ S5 T-Mobile (tapinder.pal@t-mobile.de)		
<b>Work item code:</b>	⌘ OAM-CM	<b>Date:</b>	⌘ 09/05/2003
<b>Category:</b>	⌘ <b>F</b>	<b>Release:</b>	⌘ Rel-4
	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>	⌘ The attribute relationType needs to be deleted from the XML specification as it has been deleted from the NRM.
<b>Summary of change:</b>	⌘ Attribute relationType has been deleted from XML file definitions for UtranRelation and GsmRelation.
<b>Consequences if not approved:</b>	⌘ The XML Schema will not be in line with NRMs.

<b>Clauses affected:</b>	⌘ Annex B										
<b>Other specs affected:</b>	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="text-align: center;">Y</td> <td style="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>	Y	N		X		X		X	Other core specifications	⌘
Y	N										
	X										
	X										
	X										
		Test specifications									
		O&M Specifications									
<b>Other comments:</b>	⌘ Child CR of 32.642 and 32.652 in S5-036573 and S5-036579.										

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

## Change in Annex B

# Annex B (normative): Configuration data file NRM specific XML schemas

The following XML schemas are the NRM specific schemas for configuration data XML files.

The following XML schema `genericNrm.xsd` is the NRM specific schema for the Generic Network Resources IRP NRM defined in 32.622 [8]:

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

<!--
  3GPP TS 32.615 Bulk CM IRP
  Configuration data file Generic Network Resources IRP NRM XML schema
  genericNrm.xsd
-->

<schema
  targetNamespace=
"http://www.3gpp.org/ftp/specs/latest/rel-4/32_series/32615-420.zip#genericNrm"
  elementFormDefault="qualified"
  xmlns="http://www.w3.org/2001/XMLSchema"
  xmlns:xn=
"http://www.3gpp.org/ftp/specs/latest/rel-4/32_series/32615-420.zip#genericNrm"
  xmlns:un=
"http://www.3gpp.org/ftp/specs/latest/rel-4/32_series/32615-420.zip#utranNrm"
  xmlns:gn=
"http://www.3gpp.org/ftp/specs/latest/rel-4/32_series/32615-420.zip#geranNrm"
>

  <import
    namespace=
"http://www.3gpp.org/ftp/specs/latest/rel-4/32_series/32615-420.zip#utranNrm"
  />
  <import
    namespace=
"http://www.3gpp.org/ftp/specs/latest/rel-4/32_series/32615-420.zip#geranNrm"
  />

  <!-- Abstract base type for all NRM class associated XML elements -->

  <complexType name="NrmClassXmlType" abstract="true">
    <attribute name="id" type="string" use="required"/>
    <attribute name="modifier" use="optional">
      <simpleType>
        <restriction base="string">
          <enumeration value="create"/>
          <enumeration value="delete"/>
          <enumeration value="update"/>
        </restriction>
      </simpleType>
    </attribute>
  </complexType>

  <!-- Generic Network Resources IRP NRM class associated XML elements -->

  <element name="SubNetwork">
    <complexType>
      <complexContent>
```

```

<extension base="xn:NrmClassXmlType">
  <sequence>
    <element name="attributes" minOccurs="0">
      <complexType>
        <all>
          <element name="userLabel" minOccurs="0"/>
          <element name="userDefinedNetworkType" minOccurs="0"/>
        </all>
      </complexType>
    </element>
    <choice minOccurs="0" maxOccurs="unbounded">
      <element ref="xn:SubNetwork"/>
      <element ref="xn:ManagedElement"/>
      <element ref="xn:MeContext"/>
      <element ref="xn:ManagementNode"/>
      <element ref="xn:IRPAgent"/>
      <element ref="un:ExternalUtranCell"/>
      <element ref="gn:ExternalGsmCell"/>
    </choice>
  </sequence>
</extension>
</complexContent>
</complexType>
</element>

<element name="ManagedElement">
  <complexType>
    <complexContent>
      <extension base="xn:NrmClassXmlType">
        <sequence>
          <element name="attributes" minOccurs="0">
            <complexType>
              <all>
                <element name="managedElementType" minOccurs="0"/>
                <element name="userLabel" minOccurs="0"/>
                <element name="vendorName" minOccurs="0"/>
                <element name="userDefinedState" minOccurs="0"/>
                <element name="locationName" minOccurs="0"/>
                <element name="swVersion" minOccurs="0"/>
                <element name="managedBy" minOccurs="0"/>
              </all>
            </complexType>
          </element>
          <choice minOccurs="0" maxOccurs="unbounded">
            <element ref="xn:IRPAgent"/>
            <element ref="un:RncFunction"/>
            <element ref="un:NodeBFunction"/>
            <element ref="gn:BssFunction"/>
          </choice>
        </sequence>
      </extension>
    </complexContent>
  </complexType>
</element>

<element name="MeContext">
  <complexType>
    <complexContent>
      <extension base="xn:NrmClassXmlType">
        <sequence>
          <element name="attributes" minOccurs="0">
            <complexType>
              </complexType>
            </complexType>
          </element>
        </sequence>
      </extension>
    </complexContent>
  </complexType>
</element>

```

```

        </element>
        <choice minOccurs="0" maxOccurs="unbounded">
            <element ref="xn:ManagedElement" />
        </choice>
    </sequence>
</extension>
</complexContent>
</complexType>
</element>

<element name="ManagementNode">
    <complexType>
        <complexContent>
            <extension base="xn:NrmClassXmlType">
                <sequence>
                    <element name="attributes" minOccurs="0">
                        <complexType>
                            <all>
                                <element name="userLabel" minOccurs="0" />
                                <element name="vendorName" minOccurs="0" />
                                <element name="userDefinedState" minOccurs="0" />
                                <element name="locationName" minOccurs="0" />
                                <element name="manages" minOccurs="0" />
                                <element name="swVersion" minOccurs="0" />
                            </all>
                        </complexType>
                    </element>
                    <choice minOccurs="0" maxOccurs="unbounded">
                        <element ref="xn:IRPAgent" />
                    </choice>
                </sequence>
            </extension>
        </complexContent>
    </complexType>
</element>

<element name="IRPAgent">
    <complexType>
        <complexContent>
            <extension base="xn:NrmClassXmlType">
                <sequence>
                    <element name="attributes" minOccurs="0">
                        <complexType>
                            <all>
                                <element name="systemDN" minOccurs="0" />
                            </all>
                        </complexType>
                    </element>
                    <choice minOccurs="0" maxOccurs="unbounded">
                        <element ref="xn:NotificationIRP" />
                        <element ref="xn:AlarmIRP" />
                        <element ref="xn:BasicCmIRP" />
                        <element ref="xn:BulkCmIRP" />
                    </choice>
                </sequence>
            </extension>
        </complexContent>
    </complexType>
</element>

<element name="NotificationIRP">
    <complexType>
        <complexContent>

```

```
<extension base="xn:NrmClassXmlType">
  <sequence>
    <element name="attributes" minOccurs="0">
      <complexType>
        <all>
          <element name="irpVersion" minOccurs="0"/>
        </all>
      </complexType>
    </element>
  </sequence>
</extension>
</complexContent>
</complexType>
</element>

<element name="AlarmIRP">
  <complexType>
    <complexContent>
      <extension base="xn:NrmClassXmlType">
        <sequence>
          <element name="attributes" minOccurs="0">
            <complexType>
              <all>
                <element name="irpVersion" minOccurs="0"/>
              </all>
            </complexType>
          </element>
        </sequence>
      </extension>
    </complexContent>
  </complexType>
</element>

<element name="BasicCmIRP">
  <complexType>
    <complexContent>
      <extension base="xn:NrmClassXmlType">
        <sequence>
          <element name="attributes" minOccurs="0">
            <complexType>
              <all>
                <element name="irpVersion" minOccurs="0"/>
              </all>
            </complexType>
          </element>
        </sequence>
      </extension>
    </complexContent>
  </complexType>
</element>

<element name="BulkCmIRP">
  <complexType>
    <complexContent>
      <extension base="xn:NrmClassXmlType">
        <sequence>
          <element name="attributes" minOccurs="0">
            <complexType>
              <all>
                <element name="irpVersion" minOccurs="0"/>
              </all>
            </complexType>
          </element>
        </sequence>
      </extension>
    </complexContent>
  </complexType>
</element>
```

```
        </sequence>
      </extension>
    </complexContent>
  </complexType>
</element>

<element name="VsDataContainer">
  <complexType>
    <complexContent>
      <extension base="xn:NrmClassXmlType">
        <sequence>
          <element name="attributes" minOccurs="0">
            <complexType>
              <all>
                <element name="vsDataType" minOccurs="0"/>
                <element name="vsDataFormatVersion" minOccurs="0"/>
                <element ref="xn:vsData" minOccurs="0"/>
              </all>
            </complexType>
          </element>
          <choice minOccurs="0" maxOccurs="unbounded">
            <element ref="xn:VsDataContainer"/>
          </choice>
        </sequence>
      </extension>
    </complexContent>
  </complexType>
</element>

<!-- VsDataContainer NRM class vsData attribute associated empty XML element -->

  <element name="vsData">
    <complexType/>
  </element>

</schema>
```

The following XML schema `utranNrm.xsd` is the NRM specific schema for the UTRAN Network Resources IRP NRM defined in 32.642 [9]:

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

<!--
  3GPP TS 32.615 Bulk CM IRP
  Configuration data file UTRAN Network Resources IRP NRM XML schema
  utranNrm.xsd
-->

<schema
  targetNamespace=
"http://www.3gpp.org/ftp/specs/latest/rel-4/32_series/32615-420.zip#utranNrm"
  elementFormDefault="qualified"
  xmlns="http://www.w3.org/2001/XMLSchema"
  xmlns:xn=
"http://www.3gpp.org/ftp/specs/latest/rel-4/32_series/32615-420.zip#genericNrm"
  xmlns:un=
"http://www.3gpp.org/ftp/specs/latest/rel-4/32_series/32615-420.zip#utranNrm"
  xmlns:gn=
"http://www.3gpp.org/ftp/specs/latest/rel-4/32_series/32615-420.zip#geranNrm"
>

  <import
    namespace=
"http://www.3gpp.org/ftp/specs/latest/rel-4/32_series/32615-420.zip#genericNrm"
  />
  <import
    namespace=
"http://www.3gpp.org/ftp/specs/latest/rel-4/32_series/32615-420.zip#geranNrm"
  />

  <!-- UTRAN Network Resources IRP NRM class associated XML elements -->

  <element name="RncFunction">
    <complexType>
      <complexContent>
        <extension base="xn:NrmClassXmlType">
          <sequence>
            <element name="attributes" minOccurs="0">
              <complexType>
                <all>
                  <element name="userLabel" minOccurs="0"/>
                  <element name="mcc" minOccurs="0"/>
                  <element name="mnc" minOccurs="0"/>
                  <element name="rncId" minOccurs="0"/>
                </all>
              </complexType>
            </element>
            <choice minOccurs="0" maxOccurs="unbounded">
              <element ref="un:UtranCell"/>
              <element ref="un:IubLink"/>
              <element ref="xn:VsDataContainer"/>
            </choice>
          </sequence>
        </extension>
      </complexContent>
    </complexType>
  </element>

  <element name="NodeBFunction">
    <complexType>
```



```

<complexContent>
  <extension base="xn:NrmClassXmlType">
    <sequence>
      <element name="attributes" minOccurs="0">
        <complexType>
          <all>
            <element name="userLabel" minOccurs="0"/>
            <element name="nodeBFunctionIubLink" minOccurs="0"/>
          </all>
        </complexType>
      </element>
      <choice minOccurs="0" maxOccurs="unbounded">
        <element ref="xn:VsDataContainer"/>
      </choice>
    </sequence>
  </extension>
</complexContent>
</complexType>
</element>

<element name="UtranCell">
  <complexType>
    <complexContent>
      <extension base="xn:NrmClassXmlType">
        <sequence>
          <element name="attributes" minOccurs="0">
            <complexType>
              <all>
                <element name="userLabel" minOccurs="0"/>
                <element name="cId" minOccurs="0"/>
                <element name="localCellId" minOccurs="0"/>
                <element name="uarfcnUl" minOccurs="0"/>
                <element name="uarfcnDl" minOccurs="0"/>
                <element name="primaryScramblingCode" minOccurs="0"/>
                <element name="primaryCpichTxPower" minOccurs="0"/>
                <element name="maximumTransmissionPower" minOccurs="0"/>
                <element name="primarySchPower" minOccurs="0"/>
                <element name="secondarySchPower" minOccurs="0"/>
                <element name="bchPower" minOccurs="0"/>
                <element name="lac" minOccurs="0"/>
                <element name="rac" minOccurs="0"/>
                <element name="sac" minOccurs="0"/>
                <element name="ura" minOccurs="0"/>
                <element name="utranCellIubLink" minOccurs="0"/>
              </all>
            </complexType>
          </element>
          <choice minOccurs="0" maxOccurs="unbounded">
            <element ref="un:UtranRelation"/>
            <element ref="gn:GsmRelation"/>
            <element ref="xn:VsDataContainer"/>
          </choice>
        </sequence>
      </extension>
    </complexContent>
  </complexType>
</element>

<element name="IubLink">
  <complexType>
    <complexContent>
      <extension base="xn:NrmClassXmlType">
        <sequence>

```

```

    <element name="attributes" minOccurs="0">
      <complexType>
        <all>
          <element name="userLabel" minOccurs="0"/>
          <element name="iubLinkUtranCell" minOccurs="0"/>
          <element name="iubLinkNodeBFunction" minOccurs="0"/>
        </all>
      </complexType>
    </element>
  </sequence>
</extension>
</complexContent>
</complexType>
</element>

<element name="UtranRelation">
  <complexType>
    <complexContent>
      <extension base="xn:NrmClassXmlType">
        <sequence>
          <element name="attributes" minOccurs="0">
            <complexType>
              <all>
                <element name="relationType" minOccurs="0"/>
                <element name="adjacentCell" minOccurs="0"/>
                <element name="uarfcnUl" minOccurs="0"/>
                <element name="uarfcnDl" minOccurs="0"/>
                <element name="primaryScramblingCode" minOccurs="0"/>
                <element name="primaryCpichTxPower" minOccurs="0"/>
                <element name="lac" minOccurs="0"/>
              </all>
            </complexType>
          </element>
          <choice minOccurs="0" maxOccurs="unbounded">
            <element ref="xn:VsDataContainer"/>
          </choice>
        </sequence>
      </extension>
    </complexContent>
  </complexType>
</element>

<element name="ExternalUtranCell">
  <complexType>
    <complexContent>
      <extension base="xn:NrmClassXmlType">
        <sequence>
          <element name="attributes" minOccurs="0">
            <complexType>
              <all>
                <element name="userLabel" minOccurs="0"/>
                <element name="cId" minOccurs="0"/>
                <element name="mcc" minOccurs="0"/>
                <element name="mnc" minOccurs="0"/>
                <element name="rncId" minOccurs="0"/>
                <element name="uarfcnUl" minOccurs="0"/>
                <element name="uarfcnDl" minOccurs="0"/>
                <element name="primaryScramblingCode" minOccurs="0"/>
                <element name="primaryCpichTxPower" minOccurs="0"/>
                <element name="lac" minOccurs="0"/>
                <element name="rac" minOccurs="0"/>
              </all>
            </complexType>
          </element>
        </sequence>
      </extension>
    </complexContent>
  </complexType>
</element>

```

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Error! No text of specified style in document.

```
        </element>
      </sequence>
    </extension>
  </complexContent>
</complexType>
</element>

</schema>
```

The following XML schema `geranNrm.xsd` is the NRM specific schema for the GERAN Network Resources IRP NRM defined in 32.652 [10]:

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

<!--
  3GPP TS 32.615 Bulk CM IRP
  Configuration data file GERAN Network Resources IRP NRM XML schema
  geranNrm.xsd
-->

<schema
  targetNamespace=
"http://www.3gpp.org/ftp/specs/latest/rel-4/32_series/32615-420.zip#geranNrm"
  elementFormDefault="qualified"
  xmlns="http://www.w3.org/2001/XMLSchema"
  xmlns:xn=
"http://www.3gpp.org/ftp/specs/latest/rel-4/32_series/32615-420.zip#genericNrm"
  xmlns:un=
"http://www.3gpp.org/ftp/specs/latest/rel-4/32_series/32615-420.zip#utranNrm"
  xmlns:gn=
"http://www.3gpp.org/ftp/specs/latest/rel-4/32_series/32615-420.zip#geranNrm"
>

  <import
    namespace=
"http://www.3gpp.org/ftp/specs/latest/rel-4/32_series/32615-420.zip#genericNrm"
  />
  <import
    namespace=
"http://www.3gpp.org/ftp/specs/latest/rel-4/32_series/32615-420.zip#utranNrm"
  />

  <!-- GERAN Network Resources IRP NRM class associated XML elements -->

  <element name="BssFunction">
    <complexType>
      <complexContent>
        <extension base="xn:NrmClassXmlType">
          <sequence>
            <element name="attributes" minOccurs="0">
              <complexType>
                <all>
                  <element name="userLabel" minOccurs="0"/>
                </all>
              </complexType>
            </element>
            <choice minOccurs="0" maxOccurs="unbounded">
              <element ref="gn:BtsSiteMgr"/>
              <element ref="xn:VsDataContainer"/>
            </choice>
          </sequence>
        </extension>
      </complexContent>
    </complexType>
  </element>

  <element name="BtsSiteMgr">
    <complexType>
      <complexContent>
        <extension base="xn:NrmClassXmlType">
          <sequence>
            <element name="attributes" minOccurs="0">
```

```

    <complexType>
      <all>
        <element name="userLabel" minOccurs="0"/>
        <element name="latitude" minOccurs="0"/>
        <element name="longitude" minOccurs="0"/>
      </all>
    </complexType>
  </element>
  <choice minOccurs="0" maxOccurs="unbounded">
    <element ref="gn:GsmCell"/>
    <element ref="xn:VsDataContainer"/>
  </choice>
</sequence>
</extension>
</complexContent>
</complexType>
</element>

<element name="GsmCell">
  <complexType>
    <complexContent>
      <extension base="xn:NrmClassXmlType">
        <sequence>
          <element name="attributes" minOccurs="0">
            <complexType>
              <all>
                <element name="userLabel" minOccurs="0"/>
                <element name="cellIdentity" minOccurs="0"/>
                <element name="cellAllocation" minOccurs="0"/>
                <element name="ncc" minOccurs="0"/>
                <element name="bcc" minOccurs="0"/>
                <element name="lac" minOccurs="0"/>
                <element name="mcc" minOccurs="0"/>
                <element name="mnc" minOccurs="0"/>
                <element name="rac" minOccurs="0"/>
                <element name="racc" minOccurs="0"/>
                <element name="tsc" minOccurs="0"/>
                <element name="rxLevAccessMin" minOccurs="0"/>
                <element name="msTxPwrMaxCCH" minOccurs="0"/>
                <element name="hoppingSequenceNumber" minOccurs="0"/>
                <element name="plmnPermitted" minOccurs="0"/>
              </all>
            </complexType>
          </element>
          <choice minOccurs="0" maxOccurs="unbounded">
            <element ref="gn:GsmRelation"/>
            <element ref="un:UtranRelation"/>
            <element ref="xn:VsDataContainer"/>
          </choice>
        </sequence>
      </extension>
    </complexContent>
  </complexType>
</element>

<element name="GsmRelation">
  <complexType>
    <complexContent>
      <extension base="xn:NrmClassXmlType">
        <sequence>
          <element name="attributes" minOccurs="0">
            <complexType>
              <all>

```

```

<element name="relationType" minOccurs="0"/>
    <element name="adjacentCell" minOccurs="0"/>
    <element name="bcchFrequency" minOccurs="0"/>
    <element name="ncc" minOccurs="0"/>
    <element name="bcc" minOccurs="0"/>
    <element name="lac" minOccurs="0"/>
  </all>
</complexType>
</element>
<choice minOccurs="0" maxOccurs="unbounded">
  <element ref="xn:VsDataContainer"/>
</choice>
</sequence>
</extension>
</complexContent>
</complexType>
</element>

<element name="ExternalGsmCell">
  <complexType>
    <complexContent>
      <extension base="xn:NrmClassXmlType">
        <sequence>
          <element name="attributes" minOccurs="0">
            <complexType>
              <all>
                <element name="userLabel" minOccurs="0"/>
                <element name="cellIdentity" minOccurs="0"/>
                <element name="bcchFrequency" minOccurs="0"/>
                <element name="ncc" minOccurs="0"/>
                <element name="bcc" minOccurs="0"/>
                <element name="lac" minOccurs="0"/>
                <element name="mcc" minOccurs="0"/>
                <element name="mnc" minOccurs="0"/>
                <element name="rac" minOccurs="0"/>
                <element name="racc" minOccurs="0"/>
              </all>
            </complexType>
          </element>
        </sequence>
      </extension>
    </complexContent>
  </complexType>
</element>

</schema>

```

<p><b>End of Change in Annex B</b>  <b>End of Document</b></p>
--

## CHANGE REQUEST

⌘ **32.655 CR 001** ⌘ rev **-** ⌘ Current version: **5.0.0** ⌘

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>	⌘	Deletion of GERAN attribute relationType in XML Schema.
<b>Source:</b>	⌘	S5 T-Mobile (tapinder.pal@t-mobile.de)
<b>Work item code:</b>	⌘	OAM-NIM
		<b>Date:</b> ⌘ 09/05/2003
<b>Category:</b>	⌘	<b>F</b>
		<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Use <u>one</u> of the following categories:</p> <p><b>F</b> (correction)</p> <p><b>A</b> (corresponds to a correction in an earlier release)</p> <p><b>B</b> (addition of feature),</p> <p><b>C</b> (functional modification of feature)</p> <p><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> </div> <div style="width: 45%;"> <p>Use <u>one</u> of the following releases:</p> <p><b>2</b> (GSM Phase 2)</p> <p><b>R96</b> (Release 1996)</p> <p><b>R97</b> (Release 1997)</p> <p><b>R98</b> (Release 1998)</p> <p><b>R99</b> (Release 1999)</p> <p><b>Rel-4</b> (Release 4)</p> <p><b>Rel-5</b> (Release 5)</p> <p><b>Rel-6</b> (Release 6)</p> </div> </div>
		<b>Release:</b> ⌘ Rel-5

<b>Reason for change:</b>	⌘	The GERAN attribute relationType needs to be deleted from the XML specification as it has been deleted from the NRM.
<b>Summary of change:</b>	⌘	Attribute relationType has been deleted from XML file definition.
<b>Consequences if not approved:</b>	⌘	The XML Schema will not be in line with TS 32.652.

<b>Clauses affected:</b>	⌘	Annex A								
<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;"> </td> <td style="width: 20px;">X</td> </tr> <tr> <td style="width: 20px;"> </td> <td style="width: 20px;">X</td> </tr> <tr> <td style="width: 20px;"> </td> <td style="width: 20px;">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:**

## Change in Annex A

# Annex A (normative): Configuration data file NRM-specific XML schema geranNrm.xsd

The following XML schema `geranNrm.xsd` is the NRM-specific schema for the GERAN Network Resources IRP NRM defined in 3GPP TS 32.652 [1]:

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

<!--
 3GPP TS 32.655 GERAN Network Resources IRP
 Bulk CM Configuration data file NRM-specific XML schema
 geranNrm.xsd
-->

<schema
  targetNamespace=
"http://www.3gpp.org/ftp/specs/latest/rel-4/32_series/32655-500.zip#geranNrm"
  elementFormDefault="qualified"
  xmlns="http://www.w3.org/2001/XMLSchema"
  xmlns:xn=
"http://www.3gpp.org/ftp/specs/latest/rel-4/32_series/32625-500.zip#genericNrm"
  xmlns:un=
"http://www.3gpp.org/ftp/specs/latest/rel-4/32_series/32645-500.zip#utranNrm"
  xmlns:gn=
"http://www.3gpp.org/ftp/specs/latest/rel-4/32_series/32655-500.zip#geranNrm"
>

  <import
    namespace=
"http://www.3gpp.org/ftp/specs/latest/rel-4/32_series/32625-500.zip#genericNrm"
  />
  <import
    namespace=
"http://www.3gpp.org/ftp/specs/latest/rel-4/32_series/32645-500.zip#utranNrm"
  />

  <!-- GERAN Network Resources IRP NRM class associated XML elements -->

  <element name="BssFunction">
    <complexType>
      <complexContent>
        <extension base="xn:NrmClassXmlType">
          <sequence>
            <element name="attributes" minOccurs="0">
              <complexType>
                <all>
                  <element name="userLabel" minOccurs="0"/>
                </all>
              </complexType>
            </element>
            <choice minOccurs="0" maxOccurs="unbounded">
              <element ref="gn:BtsSiteMgr"/>
              <element ref="xn:VsDataContainer"/>
            </choice>
          </sequence>
        </extension>
      </complexContent>
    </complexType>
  </element>

  <element name="BtsSiteMgr">
    <complexType>
      <complexContent>
        <extension base="xn:NrmClassXmlType">
          <sequence>
            <element name="attributes" minOccurs="0">
              <complexType>
                <all>

```



```

        <element name="userLabel" minOccurs="0"/>
        <element name="latitude" minOccurs="0"/>
        <element name="longitude" minOccurs="0"/>
    </all>
</complexType>
</element>
<choice minOccurs="0" maxOccurs="unbounded">
    <element ref="gn:GsmCell"/>
    <element ref="xn:VsDataContainer"/>
</choice>
</sequence>
</extension>
</complexContent>
</complexType>
</element>

<element name="GsmCell">
    <complexType>
        <complexContent>
            <extension base="xn:NrmClassXmlType">
                <sequence>
                    <element name="attributes" minOccurs="0">
                        <complexType>
                            <all>
                                <element name="userLabel" minOccurs="0"/>
                                <element name="cellIdentity" minOccurs="0"/>
                                <element name="cellAllocation" minOccurs="0"/>
                                <element name="ncc" minOccurs="0"/>
                                <element name="bcc" minOccurs="0"/>
                                <element name="lac" minOccurs="0"/>
                                <element name="mcc" minOccurs="0"/>
                                <element name="mnc" minOccurs="0"/>
                                <element name="rac" minOccurs="0"/>
                                <element name="racc" minOccurs="0"/>
                                <element name="tsc" minOccurs="0"/>
                                <element name="rxLevAccessMin" minOccurs="0"/>
                                <element name="msTxPwrMaxCCH" minOccurs="0"/>
                                <element name="hoppingSequenceNumber" minOccurs="0"/>
                                <element name="plmnPermitted" minOccurs="0"/>
                            </all>
                        </complexType>
                    </element>
                    <choice minOccurs="0" maxOccurs="unbounded">
                        <element ref="gn:GsmRelation"/>
                        <element ref="un:UtranRelation"/>
                        <element ref="xn:VsDataContainer"/>
                    </choice>
                </sequence>
            </extension>
        </complexContent>
    </complexType>
</element>

<element name="GsmRelation">
    <complexType>
        <complexContent>
            <extension base="xn:NrmClassXmlType">
                <sequence>
                    <element name="attributes" minOccurs="0">
                        <complexType>
                            <all>
                                <element name="relationType" minOccurs="0"/>
                                <element name="adjacentCell" minOccurs="0"/>
                                <element name="bcchFrequency" minOccurs="0"/>
                                <element name="ncc" minOccurs="0"/>
                                <element name="bcc" minOccurs="0"/>
                                <element name="lac" minOccurs="0"/>
                            </all>
                        </complexType>
                    </element>
                    <choice minOccurs="0" maxOccurs="unbounded">
                        <element ref="xn:VsDataContainer"/>
                    </choice>
                </sequence>
            </extension>
        </complexContent>
    </complexType>
</element>

```

```
<element name="ExternalGsmCell">
  <complexType>
    <complexContent>
      <extension base="xn:NrmClassXmlType">
        <sequence>
          <element name="attributes" minOccurs="0">
            <complexType>
              <all>
                <element name="userLabel" minOccurs="0"/>
                <element name="cellIdentity" minOccurs="0"/>
                <element name="bcchFrequency" minOccurs="0"/>
                <element name="ncc" minOccurs="0"/>
                <element name="bcc" minOccurs="0"/>
                <element name="lac" minOccurs="0"/>
                <element name="mcc" minOccurs="0"/>
                <element name="mnc" minOccurs="0"/>
                <element name="rac" minOccurs="0"/>
                <element name="racc" minOccurs="0"/>
              </all>
            </complexType>
          </element>
        </sequence>
      </extension>
    </complexContent>
  </complexType>
</element>

</schema>
```

**End of Change in Annex A**  
**End of Document**

CR-Form-v7

## CHANGE REQUEST

⌘ **32.654 CR 005** ⌘ rev **-** ⌘ Current version: **5.0.0** ⌘

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>	⌘ Removal of relationType		
<b>Source:</b>	⌘ S5 (clemens.suerbaum@siemens.com)		
<b>Work item code:</b>	⌘ OAM-CM	<b>Date:</b>	⌘ 22/05/2003
<b>Category:</b>	⌘ <b>A</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>	⌘ There is a CR to 32.652 to remove relationType from the information model. This CR aligns 32.654 with this change.		
<b>Summary of change:</b>	⌘ Removal of references		
<b>Consequences if not approved:</b>	⌘ Inconsistent specifications		

<b>Clauses affected:</b>	⌘ 4.2.2.4, 5.2.9										
<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> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><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										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
<b>Other comments:</b>	⌘ Rel-5 Mirror of Rel-4 CR 32.654 attached in S5-036665.										

How to create CRs using this form:

**Change in Clause 4.2.2.4**

4.2.2.4 Attribute Mapping of the IOC *GsmRelation*

**Table 5: Attribute mapping of the IOC *GsmRelation***

IS Attribute	CMIP SS Attribute	Qualifier
gsmRelationId	gsmRelationId	M
relationType	relationType (3GPP TS32.644 V5.0.x)	M
adjacentCell	adjacentCell (3GPP TS32.644 V5.0.x)	M
bcchFrequency	bcchFrequency (GSM 12.20 [10])	O
ncc	bslIdentityCode.ncc (GSM 12.20 [10])	O
bcc	bslIdentityCode.bcc (GSM 12.20 [10])	O
lac	lac (3GPP TS32.644 V.5.0.x)	O

**End of Change in Clause 4.2.2.4**

**Change in Clause 5.2.9**

5.2.9 *gsmRelationBasicPackage*

*gsmRelationBasicPackage* **PACKAGE**  
**BEHAVIOUR**

*gsmRelationBasicPackageBehaviour*;

**ATTRIBUTES**

*gsmRelationId* GET,  
~~"3GPP TS 32.644 Release 5": relationType~~ GET-REPLACE,  
~~"3GPP TS 32.644 Release 5": adjacentCell~~ GET-REPLACE;

**REGISTERED AS** {ts32-654Package 9};

*gsmRelationBasicPackageBehaviour* **BEHAVIOUR**  
**DEFINED AS**

"The 'GsmRelation' managed object contains radio network related parameters for the relation to the 'GsmCell' or 'ExternalGsmCell' managed object. Note: In handover relation terms, the cell containing the GSM Relation object is the source cell for the handover. The cell referred to in the GSM relation object is the target cell for the handover. This defines a one-way handover relation where the direction is from source cell to target cell.";

**End of Change in Clause 5.2.9**  
**End of Document**

CR-Form-v7

## CHANGE REQUEST

⌘ **32.654 CR 004** ⌘ rev **-** ⌘ Current version: **4.1.0** ⌘

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

<b>Title:</b>	⌘ Removal of relationType		
<b>Source:</b>	⌘ S5 (clemens.suerbaum@siemens.com)		
<b>Work item code:</b>	⌘ OAM-CM	<b>Date:</b>	⌘ 22/05/2003
<b>Category:</b>	⌘ <b>F</b>	<b>Release:</b>	⌘ Rel-4
	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>	⌘ There is a CR to 32.652 to remove relationType from the information model. This CR aligns 32.654 with this change.
<b>Summary of change:</b>	⌘ Removal of references
<b>Consequences if not approved:</b>	⌘ Inconsistent specifications

<b>Clauses affected:</b>	⌘ 4.2.2, 5.2.9						
<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 checked="" type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </table> O&M Specifications	Y	N	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Rel-5 32.654
Y	N						
<input checked="" type="checkbox"/>	<input type="checkbox"/>						
<b>Other comments:</b>	⌘ Rel-5 Mirror CR 32.654 attached in S5-036666.						

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

## Change in Clause 4.2.2

### 4.2.2 Mapping of Attributes

**Table 2: Mapping of Attributes**

Attribute defined in 3GPP TS 32.652	Attribute defined in this CMIP SS
bssFunctionId	bssFunctionId
btsSiteMgrId	btsSiteMgrId
latitude	latitude
longitude	longitude
gsmCellId	gsmCellId
cellIdentity	cellGlobalIdentity (GSM 12.20 : 6.1996)
lac	
mcc	
mnc	
cellAllocation	cellAllocation (GSM 12.20 : 6.1996)
ncc	bsIdentityCode.ncc (GSM 12.20 : 6.1996)
bcc	bsIdentityCode.bcc (GSM 12.20 : 6.1996)
lac	lac (3GPP TS32.644: 5.2001) only for the MOC gsmRelation
rac	rac (3GPP TS32.644: 5.2001)
racc	racc
tsc	tsc (GSM 12.20 : 6.1996)
rxLevAccessMin	rxLevAccessMin (GSM 12.20 : 6.1996)
msTxPwrMaxCCH	msTxPwrMaxCCH (GSM 12.20 : 6.1996)
hoppingSequenceNumber	hoppingSequenceNumber (GSM 12.20 : 6.1996)
plmnPermitted	plmnPermitted (GSM 12.20 : 6.1996)
gsmRelationId	gsmRelationId
relationType	relationType (3GPP TS32.644: 5.2001)
adjacentCell	adjacentCell (3GPP TS32.644: 5.2001)
bcchFrequency	bcchFrequency (GSM 12.20 : 6.1996)
externalGsmCellId	externalGsmCellId

## End of Change in Clause 4.2.2

## Change in Clause 5.2.9

### 5.2.9 gsmRelationBasicPackage

#### **gsmRelationBasicPackage** PACKAGE

##### BEHAVIOUR

gsmRelationBasicPackageBehaviour;

##### ATTRIBUTES

gsmRelationId GET,

~~“3GPP TS 32.644 Release 4”: relationType GET-REPLACE,~~

“3GPP TS 32.644 Release 4”: adjacentCell GET-REPLACE;

REGISTERED AS {ts32-654Package 9};

#### **gsmRelationBasicPackageBehaviour** BEHAVIOUR

##### DEFINED AS

"The 'GsmRelation' managed object contains radio network related parameters for the relation to the 'GsmCell' or 'ExternalGsmCell' managed object. Note: In handover relation terms, the cell containing the GSM Relation object is the

source cell for the handover. The cell referred to in the GSM relation object is the target cell for the handover. This defines a one-way handover relation where the direction is *from* source cell to target cell." ;

**End of Change in Clause 5.2.9**  
**End of Document**

## CHANGE REQUEST

⌘ **32.653 CR 005** ⌘ rev **-** ⌘ Current version: **5.0.1** ⌘

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>	⌘ Deletion of GERAN attribute relationType from CORBA SS		
<b>Source:</b>	⌘ S5 T-Mobile (tapinder.pal@t-mobile.de)		
<b>Work item code:</b>	⌘ OAM-CM	<b>Date:</b>	⌘ 09/05/2003
<b>Category:</b>	⌘ <b>A</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>	⌘ The GERAN attribute relationType has been deleted from the CORBA SS as it has been deleted from the NRM.
<b>Summary of change:</b>	⌘ The attribute relationType has been deleted from the IOC GsmRelation and IDL definitions.
<b>Consequences if not approved:</b>	⌘ The CORBA SS will not be in line with the NRM (32.652).

<b>Clauses affected:</b>	⌘ 5.2.4, Annex A										
<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>	Y	N	⌘	X	⌘	X	⌘	X	Other core specifications	⌘
Y	N										
⌘	X										
⌘	X										
⌘	X										
		Test specifications									
		O&M Specifications									
<b>Other comments:</b>	⌘ Rel-5 Mirror of Rel-4 CR 32.653 attached in S5-036649.										

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



## Change in Clause 5.2.4

### 5.2.4 IOC GsmRelation

**Table 5: Mapping from NRM IOC GsmRelation attributes to SS equivalent MOC GsmRelation attributes**

NRM Attributes of IOC GsmRelation in TS 32.652 [4]	SS Attributes	SS Type	Support Qualifier	Read	Write
gsmRelationId	gsmRelationId	string	M	M	-
relationType	relationType	string	M	M	M
adjacentCell	adjacentCell	string	M	M	M
bcchFrequency	bcchFrequency	long	O	M	-
ncc	ncc	long	O	M	-
bcc	bcc	long	O	M	-
lac	lac	long	O	M	-

## End of Change in Clause 5.2.4

## Change in Annex A

### Annex A (normative): CORBA IDL, NRM Definitions

```

#ifndef GeranNetworkResourcesNRMDefs_idl
#define GeranNetworkResourcesNRMDefs_idl

#pragma prefix "3gppsa5.org"

/**
 * This module defines constants for each MO class name and
 * the attribute names for each defined MO class.
 */
module GeranNetworkResourcesNRMDefs
{

    /**
     * Definitions for MO class BssFunction
     */
    interface BssFunction
    {
        const string CLASS = "BssFunction";

        // Attribute Names
        //
        const string bssFunctionId = "bssFunctionId";
        const string userLabel = "userLabel";
    };

    /**
     * Definitions for MO class BtsSiteMgr
     */

```

```
interface BtsSiteMgr
{
    const string CLASS = "BtsSiteMgr";

    // Attribute Names
    //
    const string btsSiteMgrId = "btsSiteMgrId";
    const string userLabel = "userLabel";
    const string latitude = "latitude";
    const string longitude = "longitude";
};

/**
 * Definitions for MO class GsmCell
 */
interface GsmCell
{
    const string CLASS = "GsmCell";

    // Attribute Names
    //
    const string gsmCellId = "gsmCellId";
    const string userLabel = "userLabel";
    const string cellIdentity = "cellIdentity";
    const string cellAllocation = "cellAllocation";
    const string ncc = "ncc";
    const string bcc = "bcc";
    const string lac = "lac";
    const string mcc = "mcc";
    const string mnc = "mnc";
    const string rac = "rac";
    const string racc = "racc";
    const string tsc = "tsc";
    const string rxLevAccessMin = "rxLevAccessMin";
    const string msTxPwrMaxCCH = "msTxPwrMaxCCH";
    const string hoppingSequenceNumber = "hoppingSequenceNumber";
    const string plmnPermitted = "plmnPermitted";
};

/**
 * Definitions for MO class GsmRelation
 */
interface GsmRelation
{
    const string CLASS = "GsmRelation";

    // Attribute Names
    //
    const string gsmRelationId = "gsmRelationId";
    const string relationType = "relationType";
    const string adjacentCell = "adjacentCell";
    const string bcchFrequency = "bcchFrequency";
    const string ncc = "ncc";
    const string bcc = "bcc";
    const string lac = "lac";
};

/**
```

```
* Definitions for MO class ExternalGsmCell
*/
interface ExternalGsmCell
{
    const string CLASS = "ExternalGsmCell";

    // Attribute Names
    //
    const string externalGsmCellId = "externalGsmCellId";
    const string userLabel = "userLabel";
    const string cellIdentity = "cellIdentity";
    const string bcchFrequency = "bcchFrequency";
    const string ncc = "ncc";
    const string bcc = "bcc";
    const string lac = "lac";
    const string mcc = "mcc";
    const string mnc = "mnc";
    const string rac = "rac";
    const string racc = "racc";

};

};

#endif
```

<b>End of Change to Annex A End of Document</b>
---

## CHANGE REQUEST

⌘ **32.653 CR 004** ⌘ rev **-** ⌘ Current version: **4.1.0** ⌘

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

<b>Title:</b>	⌘ Deletion of GERAN attribute relationType from CORBA SS		
<b>Source:</b>	⌘ S5 T-Mobile (tapinder.pal@t-mobile.de)		
<b>Work item code:</b>	⌘ OAM-CM	<b>Date:</b>	⌘ 09/05/2003
<b>Category:</b>	⌘ <b>F</b>	<b>Release:</b>	⌘ Rel-4
	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>	⌘ The GERAN attribute relationType has been deleted from the CORBA SS as it has been deleted from the NRM.
<b>Summary of change:</b>	⌘ The attribute relationType has been deleted from the IOC GsmRelation and IDL definitions.
<b>Consequences if not approved:</b>	⌘ The CORBA SS will not be in line with the NRM (32.652).

<b>Clauses affected:</b>	⌘ 5.2.4, Annex A										
<b>Other specs affected:</b>	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="text-align: center;">Y</td> <td style="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> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </table>	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Other core specifications	⌘
Y	N										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
<input checked="" type="checkbox"/>	<input type="checkbox"/>										
		Test specifications									
		O&M Specifications	Rel-5 32.653								
<b>Other comments:</b>	⌘ Rel-5 Mirror CR 32.653 attached in S5-036650.										

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

## Change in Clause 5.2.4

### 5.2.4 MOC GsmRelation

**Table 5: Mapping from NRM MOC GsmRelation attributes to SS equivalent MOC GsmRelation attributes**

NRM Attributes of MOC GsmRelation in 3GPP TS 32.652 [4]	SS Attributes	SS Type	Qualifier
gsmRelationId	gsmRelationId	string	Read-Only, M
<del>relationType</del>	<del>relationType</del>	<del>string</del>	<del>Read-Write, M</del>
adjacentCell	adjacentCell	string	Read-Write, M
bcchFrequency	bcchFrequency	long	Read- Only, O
ncc	ncc	long	Read- Only, O
bcc	bcc	long	Read- Only, O
lac	lac	long	Read- Only, O

## End of Change in Clause 5.2.4

## Change in Annex A

### Annex A (normative): CORBA IDL, NRM Definitions

```
#ifndef GeranNetworkResourcesNRMDefs_idl
#define GeranNetworkResourcesNRMDefs_idl

#pragma prefix "3gppsa5.org"

/**
 * This module defines constants for each MO class name and
 * the attribute names for each defined MO class.
 */
module GeranNetworkResourcesNRMDefs
{

    /**
     * Definitions for MO class BssFunction
     */
    interface BssFunction
    {
        const string CLASS = "BssFunction";

        // Attribute Names
        //
        const string bssFunctionId = "bssFunctionId";
        const string userLabel = "userLabel";
    };

    /**
     * Definitions for MO class BtsSiteMgr
```

```
*/
interface BtsSiteMgr
{
    const string CLASS = "BtsSiteMgr";

    // Attribute Names
    //
    const string btsSiteMgrId = "btsSiteMgrId";
    const string userLabel = "userLabel";
    const string latitude = "latitude";
    const string longitude = "longitude";
};

/**
 * Definitions for MO class GsmCell
 */
interface GsmCell
{
    const string CLASS = "GsmCell";

    // Attribute Names
    //
    const string gsmCellId = "gsmCellId";
    const string userLabel = "userLabel";
    const string cellIdentity = "cellIdentity";
    const string cellAllocation = "cellAllocation";
    const string ncc = "ncc";
    const string bcc = "bcc";
    const string lac = "lac";
    const string mcc = "mcc";
    const string mnc = "mnc";
    const string rac = "rac";
    const string racc = "racc";
    const string tsc = "tsc";
    const string rxLevAccessMin = "rxLevAccessMin";
    const string msTxPwrMaxCCH = "msTxPwrMaxCCH";
    const string hoppingSequenceNumber = "hoppingSequenceNumber";
    const string plmnPermitted = "plmnPermitted";
};

/**
 * Definitions for MO class GsmRelation
 */
interface GsmRelation
{
    const string CLASS = "GsmRelation";

    // Attribute Names
    //
    const string gsmRelationId = "gsmRelationId";
    const string relationType = "relationType";
    const string adjacentCell = "adjacentCell";
    const string bcchFrequency = "bcchFrequency";
    const string ncc = "ncc";
    const string bcc = "bcc";
    const string lac = "lac";
};
```

```
/**
 * Definitions for MO class ExternalGsmCell
 */
interface ExternalGsmCell
{
    const string CLASS = "ExternalGsmCell";

    // Attribute Names
    //
    const string externalGsmCellId = "externalGsmCellId";
    const string userLabel = "userLabel";
    const string cellIdentity = "cellIdentity";
    const string bcchFrequency = "bcchFrequency";
    const string ncc = "ncc";
    const string bcc = "bcc";
    const string lac = "lac";
    const string mcc = "mcc";
    const string mnc = "mnc";
    const string rac = "rac";
    const string racc = "racc";

};

};

#endif
```

<b>End of Change to Annex A</b> <b>End of Document</b>
---

## CHANGE REQUEST

⌘ **32.652 CR 014** ⌘ rev **-** ⌘ Current version: **5.0.1** ⌘

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>	⌘ Deletion of GERAN attribute relationType		
<b>Source:</b>	⌘ S5 T-Mobile (tapinder.pal@t-mobile.de)		
<b>Work item code:</b>	⌘ OAM-CM	<b>Date:</b>	⌘ 09/05/2003
<b>Category:</b>	⌘ <b>A</b>	<b>Release:</b>	⌘ Rel-5
	<i>Use <u>one</u> 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 <u>one</u> 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>	⌘ The mandatory GERAN NRM attribute relationType of IOC GsmRelation duplicates information.
<b>Summary of change:</b>	⌘ The attribute relationType has been deleted from the GERAN NRM.
<b>Consequences if not approved:</b>	⌘ Redundant information will be present in the GERAN NRM.

<b>Clauses affected:</b>	⌘ 6.3.4, 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> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </table>	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Other core specifications Test specifications O&M Specifications	⌘ Rel-5 32.653, 32.654, 32.655
Y	N										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
<input checked="" type="checkbox"/>	<input type="checkbox"/>										
<b>Other comments:</b>	⌘ Rel-5 Mirror of Rel-4 CR 32.652 attached in S5-036579. Children Rel-5 CRs 32.653, 32.654 and 32.655 attached in S5-036650, S5-036666 and S5-036651										

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



## Change in Clause 6.3.4

### 6.3.4 GsmRelation

#### 6.3.4.1 Definition

The "GsmRelation" IOC contains radio network related parameters for the relation to the "GsmCell" or "ExternalGsmCell" managed object. Note: In handover relation terms, the cell containing the GSM Relation object is the source cell for the handover. The cell referred to in the GSM relation object is the target cell for the handover. This defines a one-way handover relation where the direction is *from* source cell *to* target cell.

#### 6.3.4.2 Attributes

**Table 4: Attributes of GsmRelation**

Attribute name	Visibility	Support Qualifier	Read Qualifier	Write Qualifier
gsmRelationId	+	M	M	-
relationType	+	M	M	M
adjacentCell	+	M	M	M
bcchFrequency	+	O	M	-
ncc	+	O	M	-
bcc	+	O	M	-
lac	+	O	M	-

#### 6.3.4.3 Attribute constraints

The optionally attributes bcchFrequency, ncc, bcc and lac shall be included if the EM does not guarantee consistency between the cell definition and what is broadcasted on system information. Otherwise they shall not be included.

## End of Change in Clause 6.3.4

## Change in Clause 6.5.1

### 6.5.1 Definition and legal values

The table below defines the attributes that are present in several information object classes of this TS.

**Table 6: Attributes**

Attribute Name	Definition	Legal Values
adjacentCell	Pointer to GSM cell or external GSM cell. Distinguished Name of the corresponding object.	
bcc	<b>IOCs <u>GsmCell</u> and <u>ExternalGsmCell</u>:</b> Base station colour code, BCC (part of BSIC). Ref 3GPP TS 44.018 [4]. <b>IOC <u>GsmRelation</u>:</b> Base station colour code, BCC (part of BSIC. Ref 3GPP TS 44.018 [4]) for another GSM cell or the external GSM cell, that is broadcast in System Information in the Cell.	
bcchFrequency	<b>IOC <u>ExternalGsmCell</u>:</b> This attribute contains the absolute radio frequency channel number of the BCCH channel of the GSM cell. <b>IOC <u>GsmRelation</u>:</b> This attribute contains the absolute radio frequency channel number of the BCCH channel of another GSM cell or the external GSM cell, that is broadcast in System Information in the Cell.	
bssFunctionId	An attribute whose "name+value" can be used as an RDN when naming an instance of this object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	
btsSiteMgrid	An attribute whose "name+value" can be used as an RDN when naming an instance of this object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	
cellAllocation	This attribute defines the set of radio frequencies allocated and available to a cell, the first element sets the BCCH frequency, Ref 3GPP TS 44.018 [4].	
cellIdentity	Cell Identity (Ref 3GPP TS 24.008 [3]).	
externalGsmCellId	An attribute whose "name+value" can be used as an RDN when naming an instance of this object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	
gsmCellId	An attribute whose "name+value" can be used as an RDN when naming an instance of this object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	
gsmRelationId	An attribute whose "name+value" can be used as an RDN when naming an instance of this object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	
hoppingSequenceNumber	HoppingSequenceNumber. Attribute description reference 3GPP TS 45.002 [6] (HSN)	
lac	<b>IOCs <u>GsmCell</u> and <u>ExternalGsmCell</u>:</b> Location Area Code, LAC . Ref 3GPP TS 24.008 [3]. <b>IOC <u>GsmRelation</u>:</b> Location Area Code, LAC (Ref 3GPP TS 24.008 [3]) for another GSM cell or the external GSM cell, that is broadcast in System Information in the Cell.	
latitude	Used for geographical positioning of the sitemanager	
longitude	Used for geographical positioning of the sitemanager	
mcc	Mobile Country Code, MCC (part of the PLMN Id, Ref. 3 GPP TS 23.003 [8]).	
mnc	Mobile Network Code, MNC (part of the PLMN Id, Ref. 3 GPP TS 23.003 [8]).	
msTxPwrMaxCCH	Maximum Transmission Power for a Mobile Station on a CCH. Attribute description Ref 3GPP TS 45.008 [5] (MS_TXPWR_MAX_CCH)	
ncc	<b>IOCs <u>GsmCell</u> and <u>ExternalGsmCell</u>:</b> Network Colour Code, NCC (part of BSIC). Ref 3GPP TS 44.018 [4]. <b>IOC <u>GsmRelation</u>:</b> Network Colour Code, NCC (part of BSIC. Ref 3GPP TS 44.018 [4]) for another GSM cell or the external GSM cell, that is broadcast in System Information in the Cell.	
plmnPermitted	Network Colour Code Permitted. Attribute description reference 3GPP TS 45.008 [5] (NCC_PERMITTED)	
rac	Routing Area Code, RAC. Ref 3GPP TS 44.018 [4].	
racc	Routing Area Colour Code, RACC. Ref 3GPP TS 44.018 [4].	
relationType	Type of relation: e.g. Intersystem relation, intra system relation.	
rxLevAccessMin	Minimum Access Level. Attribute description Ref 3GPP TS 45.008 [5] (RXLEV_ACCESS_MIN)	
tsc	Training Sequence Code, an attribute of the class channel in Ref 3GPP TS 44.018 [4]	
userLabel	<b>IOC <u>BssFunction</u>:</b> A user-friendly (and user assigned) name of the associated object. Inherited from ManagedFunction. <b>Other IOCs:</b> A user-friendly (and user assigned) name of the associated object.	

**End of Change in Clause 6.5.1**  
**End of Document**

## CHANGE REQUEST

⌘ **32.652 CR 013** ⌘ rev **-** ⌘ Current version: **4.4.0** ⌘

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>	⌘ Deletion of GERAN attribute relationType		
<b>Source:</b>	⌘ S5 T-Mobile (tapinder.pal@t-mobile.de)		
<b>Work item code:</b>	⌘ OAM-CM	<b>Date:</b>	⌘ 09/05/2003
<b>Category:</b>	⌘ <b>F</b>	<b>Release:</b>	⌘ Rel-4
	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>	⌘ The mandatory GERAN NRM attribute relationType of MOC GsmRelation duplicates information.
<b>Summary of change:</b>	⌘ The attribute relationType has been deleted from the GERAN NRM.
<b>Consequences if not approved:</b>	⌘ Redundant information will be present in the GERAN NRM.

<b>Clauses affected:</b>	⌘ 6.3.4										
<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;">X</td> <td style="text-align: center;"> </td> </tr> </table> Other core specifications Test specifications O&M Specifications	Y	N		X		X	X		⌘	Rel-4/5 32.653, 32.654, 32.615
Y	N										
	X										
	X										
X											
<b>Other comments:</b>	⌘ Rel-5 Mirror CR 32.652 attached in S5-036648. Children Rel-4 CRs 32.653, 32.654 and 32.615 attached in S5-036649, S5-036665 and S5-036666										

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

## Change in Clause 6.3.4

### 6.3.4 GsmRelation

### 6.3.4 MOC GsmRelation

The 'GsmRelation' managed object contains radio network related parameters for the relation to the 'GsmCell' or 'ExternalGsmCell' managed object. Note: In handover relation terms, the cell containing the GSM Relation object is the source cell for the handover. The cell referred to in the GSM relation object is the target cell for the handover. This defines a one-way handover relation where the direction is *from* source cell *to* target cell.

**Table 8: Attributes of GsmRelation**

Name	Qualifier	Description
gsmRelationId	READ-ONLY, M	An attribute whose 'name+value' can be used as an RDN when naming an instance of this object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.
<b>relationType</b>	<b>READ-WRITE, M</b>	<b>Type of relation: e.g. Intersystem relation, intra-system relation.</b>
adjacentCell	READ-WRITE, M	Pointer to GSM cell or external GSM cell. Distinguished Name of the corresponding object..
bcchFrequency	READ-ONLY, O	This attribute contains the absolute radio frequency channel number of the BCCH channel of another GSM cell or the external GSM cell, that is broadcast in System Information in the Cell. See Note for the optional condition.
ncc	READ-ONLY, O	Network Colour Code, NCC (part of BSIC; Ref 3GPP TS 44.018 [4]) for another GSM cell or the external GSM cell, that is broadcast in System Information in the Cell. See Note for the optional condition.
bcc	READ-ONLY, O	Base station colour code, BCC (part of BSIC; Ref 3GPP TS 44.018 [4]) for another GSM cell or the external GSM cell, that is broadcast in System Information in the Cell. See Note for the optional condition.
lac	READ-ONLY, O	Location Area Code, LAC (Ref 3GPP TS 24.008 [3]) for another GSM cell or the external GSM cell, that is broadcast in System Information in the Cell. See Note for the optional condition.
NOTE: This attribute shall be included if the EM does not guarantee consistency between the cell definition and what is broadcasted on system information.		

**Table 9: Notifications of GsmRelation**

Name	Qualifier	Notes
notifyAttributeValueChange	O	
notifyObjectCreation	O	
notifyObjectDeletion	O	

**End of Change in Clause 6.3.4**  
**End of Document**

## CHANGE REQUEST

⌘ **32.645 CR 001** ⌘ rev **-** ⌘ Current version: **5.0.0** ⌘

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>	⌘ Deletion of UTRAN attribute relationType in XML Schema.		
<b>Source:</b>	⌘ S5 T-Mobile (tapinder.pal@t-mobile.de)		
<b>Work item code:</b>	⌘ OAM-CM	<b>Date:</b>	⌘ 09/05/2003
<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>	⌘ The UTRAN attribute relationType needs to be deleted from the XML specification as it has been deleted from the NRM.
<b>Summary of change:</b>	⌘ Attribute relationType has been deleted from XML file definition.
<b>Consequences if not approved:</b>	⌘ The XML Schema will not be in line with TS 32.642

<b>Clauses affected:</b>	⌘ Annex A										
<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>	Y	N		X		X		X	Other core specifications	⌘
Y	N										
	X										
	X										
	X										
		Test specifications									
		O&M Specifications									
<b>Other comments:</b>	⌘ Child CR to Rel-5 CR 32.642 in S5-036643.										

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

## Change in Annex A

# Annex A (normative): Configuration data file NRM-specific XML schema utranNrm.xsd

The following XML schema `utranNrm.xsd` is the NRM-specific schema for the UTRAN Network Resources IRP NRM defined in 3GPP TS 32.642 [1]:

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

<!--
 3GPP TS 32.645 UTRAN Network Resources IRP
 Bulk CM Configuration data file NRM-specific XML schema
 utranNrm.xsd
-->

<schema
  targetNamespace=
"http://www.3gpp.org/ftp/specs/latest/rel-4/32_series/32645-500.zip#utranNrm"
  elementFormDefault="qualified"
  xmlns="http://www.w3.org/2001/XMLSchema"
  xmlns:xn=
"http://www.3gpp.org/ftp/specs/latest/rel-4/32_series/32625-500.zip#genericNrm"
  xmlns:un=
"http://www.3gpp.org/ftp/specs/latest/rel-4/32_series/32645-500.zip#utranNrm"
  xmlns:gn=
"http://www.3gpp.org/ftp/specs/latest/rel-4/32_series/32655-500.zip#geranNrm"
>

  <import
    namespace=
"http://www.3gpp.org/ftp/specs/latest/rel-4/32_series/32625-500.zip#genericNrm"
  />
  <import
    namespace=
"http://www.3gpp.org/ftp/specs/latest/rel-4/32_series/32655-500.zip#geranNrm"
  />

  <!-- UTRAN Network Resources IRP NRM attribute related XML simple types -->

  <simpleType name="localCellIdType">
    <restriction base="integer">
      <minInclusive value="0"/>
      <maxInclusive value="268435455"/>
    </restriction>
  </simpleType>

  <simpleType name="cIdType">
    <restriction base="integer">
      <minInclusive value="0"/>
      <maxInclusive value="65535"/>
    </restriction>
  </simpleType>

  <simpleType name="uarfcnDlType">
    <union>
      <simpleType>
        <restriction base="integer">
          <minInclusive value="9662"/>
          <maxInclusive value="9938"/>
        </restriction>
      </simpleType>
      <simpleType>
        <restriction base="integer">
          <minInclusive value="10562"/>
          <maxInclusive value="10838"/>
        </restriction>
      </simpleType>
    </union>
  </simpleType>

```

```

<simpleType name="uarfcnUlType">
  <union>
    <simpleType>
      <restriction base="integer">
        <minInclusive value="9262"/>
        <maxInclusive value="9538"/>
      </restriction>
    </simpleType>
    <simpleType>
      <restriction base="integer">
        <minInclusive value="9612"/>
        <maxInclusive value="9888"/>
      </restriction>
    </simpleType>
  </union>
</simpleType>

<simpleType name="primaryScramblingCodeType">
  <restriction base="integer">
    <minInclusive value="0"/>
    <maxInclusive value="511"/>
  </restriction>
</simpleType>

<simpleType name="primaryCpichTxPowerType">
  <restriction base="decimal">
    <fractionDigits value="1"/>
    <minInclusive value="-10"/>
    <maxInclusive value="+50"/>
  </restriction>
</simpleType>

<simpleType name="maximumTransmissionPowerType">
  <restriction base="decimal">
    <fractionDigits value="1"/>
    <minInclusive value="0"/>
    <maxInclusive value="50"/>
  </restriction>
</simpleType>

<simpleType name="primarySchPowerType">
  <restriction base="decimal">
    <fractionDigits value="1"/>
    <minInclusive value="-35"/>
    <maxInclusive value="+15"/>
  </restriction>
</simpleType>

<simpleType name="secondarySchPowerType">
  <restriction base="decimal">
    <fractionDigits value="1"/>
    <minInclusive value="-35"/>
    <maxInclusive value="+15"/>
  </restriction>
</simpleType>

<simpleType name="bchPowerType">
  <restriction base="decimal">
    <fractionDigits value="1"/>
    <minInclusive value="-35"/>
    <maxInclusive value="+15"/>
  </restriction>
</simpleType>

<simpleType name="lacType">
  <union>
    <simpleType>
      <restriction base="integer">
        <minInclusive value="1"/>
        <maxInclusive value="65533"/>
      </restriction>
    </simpleType>
    <simpleType>
      <restriction base="integer">
        <minInclusive value="65535"/>
        <maxInclusive value="65535"/>
      </restriction>
    </simpleType>
  </union>

```



```

    </simpleType>
  </union>
</simpleType>

<simpleType name="racType">
  <restriction base="integer">
    <minInclusive value="0"/>
    <maxInclusive value="255"/>
  </restriction>
</simpleType>

<simpleType name="sacType">
  <restriction base="integer">
    <minInclusive value="0"/>
    <maxInclusive value="65535"/>
  </restriction>
</simpleType>

<simpleType name="uraType">
  <restriction base="integer">
    <minInclusive value="0"/>
    <maxInclusive value="65535"/>
  </restriction>
</simpleType>

<!-- UTRAN Network Resources IRP NRM class associated XML elements -->

<element name="RncFunction">
  <complexType>
    <complexContent>
      <extension base="xn:NrmClassXmlType">
        <sequence>
          <element name="attributes" minOccurs="0">
            <complexType>
              <all>
                <element name="userLabel" minOccurs="0"/>
                <element name="mcc" minOccurs="0"/>
                <element name="mnc" minOccurs="0"/>
                <element name="rncId" minOccurs="0"/>
              </all>
            </complexType>
          </element>
          <choice minOccurs="0" maxOccurs="unbounded">
            <element ref="un:UtranCell"/>
            <element ref="un:IubLink"/>
            <element ref="xn:VsDataContainer"/>
          </choice>
        </sequence>
      </extension>
    </complexContent>
  </complexType>
</element>

<element name="NodeBFunction">
  <complexType>
    <complexContent>
      <extension base="xn:NrmClassXmlType">
        <sequence>
          <element name="attributes" minOccurs="0">
            <complexType>
              <all>
                <element name="userLabel" minOccurs="0"/>
                <element name="nodeBFunctionIubLink" minOccurs="0"/>
              </all>
            </complexType>
          </element>
          <choice minOccurs="0" maxOccurs="unbounded">
            <element ref="xn:VsDataContainer"/>
          </choice>
        </sequence>
      </extension>
    </complexContent>
  </complexType>
</element>

<element name="UtranCell">
  <complexType>
    <complexContent>

```

```

<extension base="xn:NrmClassXmlType">
  <sequence>
    <element name="attributes" minOccurs="0">
      <complexType>
        <all>
          <element name="userLabel" minOccurs="0"/>
          <element name="cId" type="un:cIdType" minOccurs="0"/>
          <element
            name="localCellId"
            type="un:localCellIdType"
            minOccurs="0"
          />
          <element
            name="uarfcnUl"
            type="un:uarfcnDlType"
            minOccurs="0"
          />
          <element
            name="uarfcnDl"
            type="un:uarfcnUlType"
            minOccurs="0"
          />
          <element
            name="primaryScramblingCode"
            type="un:primaryScramblingCodeType"
            minOccurs="0"
          />
          <element
            name="primaryCpichTxPower"
            type="un:primaryCpichTxPowerType"
            minOccurs="0"
          />
          <element
            name="maximumTransmissionPower"
            type="un:maximumTransmissionPowerType"
            minOccurs="0"
          />
          <element
            name="primarySchPower"
            type="un:primarySchPowerType"
            minOccurs="0"
          />
          <element
            name="secondarySchPower"
            type="un:secondarySchPowerType"
            minOccurs="0"
          />
          <element name="bchPower"
            type="un:bchPowerType"
            minOccurs="0"
          />
          <element name="lac" type="un:lacType" minOccurs="0"/>
          <element name="rac" type="un:racType" minOccurs="0"/>
          <element name="sac" type="un:sacType" minOccurs="0"/>
          <element name="ura" type="un:uraType" minOccurs="0"/>
          <element name="utranCellIubLink" minOccurs="0"/>
        </all>
      </complexType>
    </element>
    <choice minOccurs="0" maxOccurs="unbounded">
      <element ref="un:UtranRelation"/>
      <element ref="gn:GsmRelation"/>
      <element ref="xn:VsDataContainer"/>
    </choice>
  </sequence>
</extension>
</complexContent>
</complexType>
</element>

<element name="IubLink">
  <complexType>
    <complexContent>
      <extension base="xn:NrmClassXmlType">
        <sequence>
          <element name="attributes" minOccurs="0">
            <complexType>
              <all>

```

```

        <element name="userLabel" minOccurs="0"/>
        <element name="iubLinkUtranCell" minOccurs="0"/>
        <element name="iubLinkNodeBFunction" minOccurs="0"/>
    </all>
</complexType>
</element>
</sequence>
</extension>
</complexContent>
</complexType>
</element>

<element name="UtranRelation">
    <complexType>
        <complexContent>
            <extension base="xn:NrmClassXmlType">
                <sequence>
                    <element name="attributes" minOccurs="0">
                        <complexType>
                            <all>
                                <element name="relationType" minOccurs="0"/>
                                <element name="adjacentCell" minOccurs="0"/>
                                <element
                                    name="uarfcnUl"
                                    type="un:uarfcnUlType"
                                    minOccurs="0"
                                />
                                <element
                                    name="uarfcnDl"
                                    type="un:uarfcnUlType"
                                    minOccurs="0"
                                />
                                <element name="primaryScramblingCode" minOccurs="0"/>
                                <element name="primaryCpichTxPower" minOccurs="0"/>
                                <element
                                    name="primaryScramblingCode"
                                    type="un:primaryScramblingCodeType"
                                    minOccurs="0"
                                />
                                <element
                                    name="primaryCpichTxPower"
                                    type="un:primaryCpichTxPowerType"
                                    minOccurs="0"
                                />
                                <element name="lac" type="un:lacType" minOccurs="0"/>
                            </all>
                        </complexType>
                    </element>
                    <choice minOccurs="0" maxOccurs="unbounded">
                        <element ref="xn:VsDataContainer"/>
                    </choice>
                </sequence>
            </extension>
        </complexContent>
    </complexType>
</element>

<element name="ExternalUtranCell">
    <complexType>
        <complexContent>
            <extension base="xn:NrmClassXmlType">
                <sequence>
                    <element name="attributes" minOccurs="0">
                        <complexType>
                            <all>
                                <element name="userLabel" minOccurs="0"/>
                                <element name="cId" type="un:cIdType" minOccurs="0"/>
                                <element name="mcc" minOccurs="0"/>
                                <element name="mnc" minOccurs="0"/>
                                <element name="rncId" minOccurs="0"/>
                                <element
                                    name="uarfcnUl"
                                    type="un:uarfcnUlType"
                                    minOccurs="0"
                                />
                                <element
                                    name="uarfcnDl"
                                    type="un:uarfcnDlType"

```

```
        minOccurs="0"
    />
    <element name="primaryScramblingCode" minOccurs="0"/>
    <element name="primaryCpichTxPower" minOccurs="0"/>
    <element
        name="primaryScramblingCode"
        type="un:primaryScramblingCodeType"
        minOccurs="0"
    />
    <element
        name="primaryCpichTxPower"
        type="un:primaryCpichTxPowerType"
        minOccurs="0"
    />
    <element name="lac" type="un:lacType" minOccurs="0"/>
    <element name="rac" type="un:racType" minOccurs="0"/>
    </all>
    </complexType>
    </element>
    </sequence>
    </extension>
    </complexContent>
    </complexType>
</element>

</schema>
* "otherMO" contains the distinguished name of the referred MO.
* A conceptual "null" reference (meaning no MO is referenced)
* is represented as an empty string ("").
*
*/
struct MOReference
```

**End of Change in Annex A**  
**End of Document**

CR-Form-v7

## CHANGE REQUEST

⌘ **32.644 CR 003** ⌘ rev **-** ⌘ Current version: **5.0.0** ⌘

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>	⌘ Removal of relationType		
<b>Source:</b>	⌘ S5 (clemens.suerbaum@siemens.com)		
<b>Work item code:</b>	⌘ OAM-CM	<b>Date:</b>	⌘ 22/05/2003
<b>Category:</b>	⌘ <b>A</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 TR 21.900.		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>	⌘ There is a CR to 32.642 to remove relationType from the information model. This CR aligns 32.644 with this change.
<b>Summary of change:</b>	⌘ Removal of references
<b>Consequences if not approved:</b>	⌘ Inconsistent specifications

<b>Clauses affected:</b>	⌘ 4.2.2, 5.2.3, 5.3.19, 6						
<b>Other specs affected:</b>	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px;">Y</td> <td style="width: 20px;">N</td> </tr> <tr> <td style="text-align: center;">⌘</td> <td style="text-align: center;">X</td> </tr> </table> Other core specifications	Y	N	⌘	X	⌘	
Y	N						
⌘	X						
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px;">Y</td> <td style="width: 20px;">N</td> </tr> <tr> <td style="text-align: center;">⌘</td> <td style="text-align: center;">X</td> </tr> </table> Test specifications	Y	N	⌘	X	⌘	
Y	N						
⌘	X						
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px;">Y</td> <td style="width: 20px;">N</td> </tr> <tr> <td style="text-align: center;">⌘</td> <td style="text-align: center;">X</td> </tr> </table> O&M Specifications	Y	N	⌘	X	⌘	
Y	N						
⌘	X						
<b>Other comments:</b>	⌘ Rel-5 Mirror to Rel-4 CR 32.644 attached in S5-036663.						

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

**Change in Clause 4.2.5**

4.2.2.5 Attribute Mapping of the IOC *UtranRelation*

**Table 6: Attribute mapping of the IOC *UtranRelation***

IS Attribute	CMIP SS Attribute	Qualifier
utranRelationId	utranRelationId	M
relationType	relationType	M
adjacentCell	adjacentCell	M
uarfcnUI	uarfcnUI	O
uarfcnDI	uarfcnDI	O
primaryScramblingCode	primaryScramblingCode	O
primaryCpichPower	primaryCpichPower	O
lac	lac	O

**End of Change in Clause 4.2.5**

**Change in Clause 5.2.3**

5.2.3 *utranRelationBasicPackage*

*utranRelationBasicPackage* **PACKAGE**

**BEHAVIOUR**

*utranRelationBasicPackageBehaviour*;

**ATTRIBUTES**

<i>utranRelationId</i>	GET,
<i>relationType</i>	GET-REPLACE,
<i>uarfcnUI</i>	GET,
<i>uarfcnDI</i>	GET,
<i>primaryScramblingCode</i>	GET,
<i>primaryCpichPower</i>	GET,
<i>lac</i>	GET;

**REGISTERED AS** {ts32-644Package 3};

*utranRelationBasicPackageBehaviour* **BEHAVIOUR**

**DEFINED AS**

"The 'UtranRelation' managed object contains radio network related parameters for the relation to the 'UtranCell' or 'ExternalUtranCell' managed object. Note: In handover relation terms, the cell containing the UTRAN Relation object is the source cell for the handover. The cell referred to in the UTRAN relation object is the target cell for the handover. This defines a one-way handover relation where the direction is from source cell to target cell.";

**End of Change in Clause 5.2.3**

**Change in Clause 5.3.19**

5.3.19 *relationType*

void

*relationType* **ATTRIBUTE**

**WITH ATTRIBUTE SYNTAX**

TS32-644TypeModule.RelationType;

**MATCHES FOR EQUALITY;**

**BEHAVIOUR**

---

```
relationTypeBehaviour;
```

```
REGISTERED AS (ts32-644Attribute 19);
```

```
relationTypeBehaviour BEHAVIOUR
```

```
DEFINED AS
```

```
"Type of relation: e.g. Intersystem relation, intrafrequency intrasystem relation, interfrequency intrasystem relation.";
```

---

### End of Change in Clause 5.3.19

---



---

### Change in Clause 6

---

## 6 ASN.1 Definitions

```
TS32-644TypeModule {ccitt (0) identified-organization (4) etsi (0) mobileDomain (0) umts-Operation-
Maintenance (3) ts32-644 (644) informationModel (0) asnlModule (2) version1 (1)}
```

```
DEFINITIONS IMPLICIT TAGS ::=
BEGIN
```

```
--EXPORTS everything
```

```
IMPORTS
```

```
GeneralObjectId, GeneralObjectPointer, GeneralObjectPointerList
```

```
FROM TS32-624TypeModule {ccitt (0) identified-organization (4) etsi (0) mobileDomain (0)
umts-Operation-Maintenance (3) ts32-624 (624) informationModel (0) asnlModule (2) version1 (1)}
```

```
MobileCountryCode, MobileNetworkCode, LocationAreaCode
```

```
FROM GSM1220TypeModule {ccitt (0) identified-organization (4) etsi (0) mobileDomain (0)
gsm-Operation-Maintenance (3) gsm-12-20 (20) informationModel (0) asnlModule (2)
asnlTypeModule (0)};
```

```
-- 3GPP TS 32.644 related Object Identifiers
```

```
baseNodeUMTS          OBJECT IDENTIFIER ::= { itu-t(0) identified-organization(4) etsi(0)
mobileDomain(0) umts-Operation-Maintenance(3)}
```

```
ts32-644              OBJECT IDENTIFIER ::= { baseNodeUMTS ts32-644                (644)}
ts32-644InfoModel     OBJECT IDENTIFIER ::= { ts32-644 informationModel            ( 0)}
```

```
ts32-644ObjectClass  OBJECT IDENTIFIER ::= { ts32-644InfoModel managedObjectClass    ( 3)}
```

```
ts32-644Package       OBJECT IDENTIFIER ::= { ts32-644InfoModel package          ( 4)}
```

```
ts32-644Parameter     OBJECT IDENTIFIER ::= { ts32-644InfoModel parameter        ( 5)}
```

```
ts32-644NameBinding   OBJECT IDENTIFIER ::= { ts32-644InfoModel nameBinding        ( 6)}
```

```
ts32-644Attribute     OBJECT IDENTIFIER ::= { ts32-644InfoModel attribute         ( 7)}
```

```
ts32-644Action        OBJECT IDENTIFIER ::= { ts32-644InfoModel action           ( 9)}
```

```
ts32-644Notification  OBJECT IDENTIFIER ::= { ts32-644InfoModel notification     (10)}
```

```
-- Start of 3GPP SA5 own definitions
```

```
UarfcnUl ::= INTEGER
```

```
UarfcnDl ::= INTEGER
```

```
PrimaryScramblingCode ::= INTEGER
```

```
PrimaryCpichPower ::= INTEGER
```

```
MaximumTransmissionPower ::= INTEGER
```

```
PrimarySchPower ::= INTEGER
```

```
SecondarySchPower ::= INTEGER
```

**BchPower** ::= INTEGER

**Lac** ::= INTEGER

**Rac** ::= INTEGER

**Sac** ::= INTEGER

**Ura** ::= INTEGER

**RelationType** ::= ENUMERATED

```
{  
interSystem (1),  
intraFrequencyIntraSystem (2),  
interFrequencyIntraSystem (3)  
}
```

END -- of TS32-644TypeModule

**End of Change in Clause 6**  
**End of Document**



## CHANGE REQUEST

⌘ **32.644 CR 002** ⌘ rev **-** ⌘ Current version: **4.1.1** ⌘

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>	⌘ Removal of relationType		
<b>Source:</b>	⌘ S5 (clemens.suerbaum@siemens.com)		
<b>Work item code:</b>	⌘ OAM-CM	<b>Date:</b>	⌘ 22/05/2003
<b>Category:</b>	⌘ <b>F</b>	<b>Release:</b>	⌘ Rel-4
	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 TR 21.900.		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>	⌘ There is a CR to 32.642 to remove relationType from the information model. This CR aligns 32.644 with this change. A headline for an attribute definition clause is missing.		
<b>Summary of change:</b>	⌘ Removal of references		
<b>Consequences if not approved:</b>	⌘ Inconsistent specifications		

<b>Clauses affected:</b>	⌘ 4.2.2, 5.2.3, 5.3.7, 5.3.18, 6										
<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> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </table>	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Other core specifications Test specifications O&M Specifications	⌘ Rel-5 32.644
Y	N										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
<input checked="" type="checkbox"/>	<input type="checkbox"/>										
<b>Other comments:</b>	⌘ Rel-5 Mirror CR 32.644 attached in S5-036664.										

How to create CRs using this form:

<b>Change in Clause 4.2.2</b>
-------------------------------

## 4.2.2 Mapping of Attributes

**Table 2: Mapping of Attributes**

Attribute defined in 3GPP TS 32.642	Attribute defined in this CMIP SS
rncFunctionId	rncFunctionId
userLabel	userLabel (ITU-T M.3100 1995)
nodeBFunctionId	nodeBFunctionId
nodeBFunction-IubLink	nodeB2IubLink
utranCellId	utranCellId
utranCell-IubLink	utranCell2IubLink
iubLinkId	iubLinkId
iubLink-UtranCell	iubLink2UtranCell
iubLink-NodeBFunction	iubLink2NodeBFunction
mcc	mcc
mnc	mnc
rncId	rncId
cId	cId
localCellId	localCellId
uarfcnUl	uarfcnUl
uarfcnDl	uarfcnDl
primaryScramblingCode	primaryScramblingCode
primaryCpichPower	primaryCpichPower
maximumTransmissionPower	maximumTransmissionPower
primarySchPower	primarySchPower
secondarySchPower	secondarySchPower
bchPower	bchPower
lac	lac
rac	rac
sac	sac
ura	ura
utranRelationId	utranRelationId
relationType	relationType
adjacentCell	adjacentCell
uarfcnUl	uarfcnUl
uarfcnDl	uarfcnDl
primaryScramblingCode	primaryScramblingCode
primaryCpichPower	primaryCpichPower
externalUtranCellId	externalUtranCellId

<b>End of Change in Clause 4.2.2</b>
--------------------------------------

<b>Change in Clause 5.2.3</b>
-------------------------------

## 5.2.3 utranRelationBasicPackage

### utranRelationBasicPackage PACKAGE

#### BEHAVIOUR

utranRelationBasicPackageBehaviour;

#### ATTRIBUTES

utranRelationId GET,

~~relationType GET REPLACE,~~

uarfcnUl GET,

uarfcnDl GET,

primaryScramblingCode GET,

primaryCpichPower GET,  
 lac GET;  
 REGISTERED AS {ts32-644Package 3};

### End of Change in Clause 5.2.3

### Change in Clause 5.3.7

#### 5.3.7 uarfcnDI

**uarfcnDI** ATTRIBUTE  
 WITH ATTRIBUTE SYNTAX TS32-644TypeModule.UarfcnDI;  
 MATCHES FOR EQUALITY;  
 BEHAVIOUR  
 uarfcnDIBehaviour;  
 REGISTERED AS {ts32-644Attribute 7};

#### **uarfcnDIBehaviour** BEHAVIOUR

DEFINED AS

" The DL UTRA absolute Radio Frequency Channel number, UARFCN (Ref. 3 GPP TS 25.433).";

#### 5.3.7a primaryScramblingCode

**primaryScramblingCode** ATTRIBUTE  
 WITH ATTRIBUTE SYNTAX TS32-644TypeModule.PrimaryScramblingCode;  
 MATCHES FOR EQUALITY;  
 BEHAVIOUR  
 primaryScramblingCodeBehaviour;  
 REGISTERED AS {ts32-644Attribute 8};

#### **primaryScramblingCodeBehaviour** BEHAVIOUR

DEFINED AS

" The primary DL scrambling code used by the cell (Ref. 3 GPP TS 25.433).";

### End of Change in Clause 5.3.7

### Change in Clause 5.3.18

#### 5.3.18 relationType

**void**

~~**relationType** ATTRIBUTE~~

~~WITH ATTRIBUTE SYNTAX TS32-644TypeModule.RelationType;~~

~~—MATCHES FOR EQUALITY;~~~~—BEHAVIOUR~~~~—relationTypeBehaviour;~~~~REGISTERED AS {ts32-644Attribute 19};~~~~relationTypeBehaviour BEHAVIOUR~~~~—DEFINED AS~~~~—" Type of relation: e.g. Intersystem relation, intrafrequency intrasystem relation, interfrequency intrasystem relation.";~~

<b>End of Change in Clause 5.3.18</b>
---------------------------------------

<b>Change in Clause 6</b>
---------------------------

---

## 6 ASN.1 Definitions

```
TS32-644TypeModule {ccitt (0) identified-organization (4) etsi (0)
    mobileDomain (0) umts-Operation-Maintenance (3) ts32-644 (644)
    informationModel (0) asn1Module (2) version1 (1)}
```

```
DEFINITIONS IMPLICIT TAGS ::=
```

```
BEGIN
```

```
--EXPORTS everything
```

```
IMPORTS
```

```
GeneralObjectId, GeneralObjectPointer, GeneralObjectPointerList
```

```
FROM TS32-624TypeModule {ccitt (0) identified-organization (4) etsi (0)
```

```
mobileDomain (0) umts-Operation-Maintenance (3) ts32-624 (624)
```

```
informationModel (0) asn1Module (2) version1 (1)}
```

```
MobileCountryCode, MobileNetworkCode, LocationAreaCode
```

```
FROM GSM1220TypeModule {ccitt (0) identified-organization (4) etsi (0) mobileDomain (0) gsm-
```

```
Operation-Maintenance (3) gsm-12-20 (20) informationModel (0) asn1Module (2)
```

```
asn1TypeModule (0)}
```

```
-- 3GPP TS 32.644 related Object Identifiers
```

```
baseNodeUMTS OBJECT IDENTIFIER ::= {itu-t(0) identified-organization(4) etsi(0) mobileDomain(0)
    umts-Operation-Maintenance(3)}
```

```
ts32-644 OBJECT IDENTIFIER ::= { baseNodeUMTS ts32-644(644)}
```

```
ts32-644InfoModel OBJECT IDENTIFIER ::= { ts32-644 informationModel(0)}
```

```

ts32-644ObjectClass OBJECT IDENTIFIER ::= { ts32-644InfoModel managedObjectClass(3)}
ts32-644Package      OBJECT IDENTIFIER ::= { ts32-644InfoModel package(4)}
ts32-644Parameter   OBJECT IDENTIFIER ::= { ts32-644InfoModel parameter(5)}
ts32-644NameBinding OBJECT IDENTIFIER ::= { ts32-644InfoModel nameBinding(6)}
ts32-644Attribute    OBJECT IDENTIFIER ::= { ts32-644InfoModel attribute(7)}
ts32-644Action       OBJECT IDENTIFIER ::= { ts32-644InfoModel action(9)}
ts32-644Notification OBJECT IDENTIFIER ::= { ts32-644InfoModel notification(10)}

```

-- Start of 3GPP SA5 own definitions

```

RncId ::= INTEGER
Cid ::= INTEGER
LocalCellId ::= INTEGER
UarfcnUl ::= INTEGER
UarfcnDl ::= INTEGER
PrimaryScramblingCode ::= INTEGER
PrimaryCpichPower ::= INTEGER
MaximumTransmissionPower ::= INTEGER
PrimarySchPower ::= INTEGER
SecondarySchPower ::= INTEGER
BchPower ::= INTEGER
Lac ::= INTEGER
Rac ::= INTEGER
Sac ::= INTEGER
Ura ::= INTEGER

```

```

RelationType ::= ENUMERATED
{
interSystem (1),
intraFrequencyIntraSystem (2),
interFrequencyIntraSystem (3)
}

```

END -- of TS32-644TypeModule

<p><b>End of Change in Clause 6</b>  <b>End of Document</b></p>
---

## CHANGE REQUEST

⌘ **32.643 CR 004** ⌘ rev **-** ⌘ Current version: **5.0.0** ⌘

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>	⌘ Deletion of UTRAN attribute relationType from CORBA SS.		
<b>Source:</b>	⌘ S5 T-Mobile (tapinder.pal@t-mobile.de)		
<b>Work item code:</b>	⌘ OAM-CM	<b>Date:</b>	⌘ 09/05/2003
<b>Category:</b>	⌘ <b>A</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>	⌘ The UTRAN attribute relationType has been deleted from the CORBA SS as it has been deleted from the NRM.
<b>Summary of change:</b>	⌘ The attribute relationType has been deleted from the IOC UtranRelation and IDL definitions.
<b>Consequences if not approved:</b>	⌘

<b>Clauses affected:</b>	⌘ 5.2.5, Annex A										
<b>Other specs affected:</b>	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="text-align: center;">Y</td> <td style="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>	⌘ Rel-5 Mirror to Rel-4 CR 32.643 attached in S5-036644..										

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

**Change in Clause 5.2.5**

5.2.5 IOC UtranRelation

**Table 22: Mapping from NRM IOC UtranRelation attributes and associations to SS equivalent MOC UtranRelation attributes**

NRM Attributes of IOC UtranRelation in 3GPP TS 32.642 [4]	SS Attributes	SS Type	Support Qualifier	Read	Write
utranRelationId	utranRelationId	string	M	M	-
relationType	relationType	string	M	M	M
adjacentCell	adjacentCell	string	M	M	M
uarfcnUl	uarfcnUl	long	O	M	-
uarfcnDl	uarfcnDl	long	O	M	-
primaryScramblingCode	primaryScramblingCode	long	O	M	-
primaryCpichPower	primaryCpichPower	long	O	M	-
lac	lac	long	O	M	-

**End of Change in Clause 5.2.5**

## Change in Annex A

# Annex A (normative): CORBA IDL, NRM Definitions

```
#ifndef UtranNetworkResourcesNRMDefs_idl
#define UtranNetworkResourcesNRMDefs_idl

#pragma prefix "3gppsa5.org"

/**
 * This module defines constants for each MO class name and
 * the attribute names for each defined MO class.
 */
module UtranNetworkResourcesNRMDefs
{

    /**
     * Definitions for MO class RncFunction
     */
    interface RncFunction
    {
        const string CLASS = "RncFunction";

        // Attribute Names
        //
        const string rncFunctionId = "rncFunctionId";
        const string userLabel = "userLabel";
        const string mcc= "mcc";
        const string mnc= "mnc";
        const string rncId= "rncId";
    };

    /**
     * Definitions for MO class UtranCell
     */
    interface UtranCell
    {
        const string CLASS = "UtranCell";

        // Attribute Names
        //
        const string utranCellId = "utranCellId";
        const string userLabel = "userLabel";
        const string utranCellIubLink = "utranCellIubLink";
        const string cId= "cId";
        const string localCellId= "localCellId";
        const string uarfcnUl= "uarfcnUl";
        const string uarfcnDl= "uarfcnDl";
        const string primaryScramblingCode= "primaryScramblingCode";
        const string primaryCpichPower= "primaryCpichPower";
        const string maximumTransmissionPower= "maximumTransmissionPower";
        const string primarySchPower= "primarySchPower";
        const string secondarySchPower= "secondarySchPower";
    };
};
```



```
const string bchPower= "bchPower";
const string lac= "lac";
const string rac= "rac";
const string sac= "sac";
const string ura= "ura";

};

/**
 * Definitions for MO class NodeBFunction
 */
interface NodeBFunction
{
    const string CLASS = "NodeBFunction";

    // Attribute Names
    //
    const string nodeBFunctionId = "nodeBFunctionId";
    const string userLabel = "userLabel";
    const string nodeBFunctionIubLink = "nodeBFunctionIubLink";
};

/**
 * Definitions for MO class IubLink
 */
interface IubLink
{
    const string CLASS = "IubLink";

    // Attribute Names
    //
    const string iubLinkId = "iubLinkId";
    const string userLabel = "userLabel";
    const string iubLinkNodeBFunction = "iubLinkNodeBFunction";
    const string iubLinkUtranCell = "iubLinkUtranCell";

};

};

/**
 * Definitions for MO class UtranRelation
 */
interface UtranRelation
{
    const string CLASS = "UtranRelation";

    // Attribute Names
    //
    const string utranRelationId = "utranRelationId";
    const string relationType = "relationType";
    const string adjacentCell = "adjacentCell";
    const string uarfcnUl= "uarfcnUl";
    const string uarfcnDl= "uarfcnDl";
    const string primaryScramblingCode= "primaryScramblingCode";
    const string primaryCpichPower= "primaryCpichPower";
    const string lac= "lac";

};
```

```
/**
 * Definitions for MO class ExternalUtranCell
 */
interface ExternalUtranCell
{
    const string CLASS = "ExternalUtranCell";

    // Attribute Names
    //
    const string externalUtranCellId = "externalUtranCellId";
    const string userLabel = "userLabel";
    const string cId= "cId";
    const string mcc= "mcc";
    const string mnc= "mnc";
    const string rncId= "rncId";
    const string uarfcnUl= "uarfcnUl";
    const string uarfcnDl= "uarfcnDl";
    const string primaryScramblingCode= "primaryScramblingCode";
    const string primaryCpichPower= "primaryCpichPower";
    const string lac= "lac";
    const string rac= "rac";

};

#endif
```

<b>End of Change to Annex A</b> <b>End of Document</b>
---

## CHANGE REQUEST

⌘ **32.643 CR 003** ⌘ rev **-** ⌘ Current version: **4.1.0** ⌘

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

<b>Title:</b>	⌘ Deletion of UTRAN attribute relationType from CORBA SS		
<b>Source:</b>	⌘ S5 T-Mobile (tapinder.pal@t-mobile.de)		
<b>Work item code:</b>	⌘ OAM-CM	<b>Date:</b>	⌘ 09/05/2003
<b>Category:</b>	⌘ <b>F</b>	<b>Release:</b>	⌘ Rel-4
	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>	⌘ The UTRAN attribute relationType has been deleted from the CORBA SS as it has been deleted from the NRM.
<b>Summary of change:</b>	⌘ The attribute relationType has been deleted from the IOC UtranRelation and IDL definitions.
<b>Consequences if not approved:</b>	⌘ The CORBA SS will not be in line with TS 32.642.

<b>Clauses affected:</b>	⌘ 5.2.5, Annex A										
<b>Other specs affected:</b>	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="text-align: center;">Y</td> <td style="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> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </table>	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Other core specifications	⌘
Y	N										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
<input checked="" type="checkbox"/>	<input type="checkbox"/>										
		Test specifications									
		O&M Specifications	Rel-5 32.643								
<b>Other comments:</b>	⌘ Rel-5 Mirror CR 32.643 attached in S5-036645.										

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

<b>Change in Clause 5.2.5</b>
-------------------------------

## 5.2.5 MOC UtranRelation

**Table 22: Mapping from NRM MOC UtranRelation attributes and associations to SS equivalent MOC UtranRelation attributes**

NRM Associations/Attributes of MOC UtranRelation in 3GPP TS 32.642 [4]	SS Attributes	SS Type	Qualifier
utranRelationId	utranRelationId	string	Read-Only, M
<del>relationType</del>	<del>relationType</del>	<del>string</del>	<del>Read-Write, M</del>
adjacentCell	adjacentCell	string	Read-Write, M
uarfcnUl	uarfcnUl	long	Read- Only, O
uarfcnDl	uarfcnDl	long	Read- Only, O
primaryScramblingCode	primaryScramblingCode	long	Read- Only, O
primaryCpichPower	primaryCpichPower	long	Read- Only, O
lac	lac	long	Read- Only, O

<b>End of Change in Clause 5.2.5</b>
--------------------------------------

## Change in Annex A

# Annex A (normative): CORBA IDL, NRM Definitions

```
#ifndef UtranNetworkResourcesNRMDefs_idl
#define UtranNetworkResourcesNRMDefs_idl

#pragma prefix "3gppsa5.org"

/**
 * This module defines constants for each MO class name and
 * the attribute names for each defined MO class.
 */
module UtranNetworkResourcesNRMDefs
{

    /**
     * Definitions for MO class RncFunction
     */
    interface RncFunction
    {
        const string CLASS = "RncFunction";

        // Attribute Names
        //
        const string rncFunctionId = "rncFunctionId";
        const string userLabel = "userLabel";
        const string mcc= "mcc";
        const string mnc= "mnc";
        const string rncId= "rncId";
    };

    /**
     * Definitions for MO class UtranCell
     */
    interface UtranCell
    {
        const string CLASS = "UtranCell";

        // Attribute Names
        //
        const string utranCellId = "utranCellId";
        const string userLabel = "userLabel";
        const string utranCellIubLink = "utranCellIubLink";
        const string cId= "cId";
        const string localCellId= "localCellId";
        const string uarfcnUl= "uarfcnUl";
        const string uarfcnDl= "uarfcnDl";
        const string primaryScramblingCode= "primaryScramblingCode";
        const string primaryCpichPower= "primaryCpichPower";
        const string maximumTransmissionPower= "maximumTransmissionPower";
        const string primarySchPower= "primarySchPower";
        const string secondarySchPower= "secondarySchPower";
    };
};
```

```
const string bchPower= "bchPower";
const string lac= "lac";
const string rac= "rac";
const string sac= "sac";
const string ura= "ura";

};

/**
 * Definitions for MO class NodeBFunction
 */
interface NodeBFunction
{
    const string CLASS = "NodeBFunction";

    // Attribute Names
    //
    const string nodeBFunctionId = "nodeBFunctionId";
    const string userLabel = "userLabel";
    const string nodeBFunctionIubLink = "nodeBFunctionIubLink";
};

/**
 * Definitions for MO class IubLink
 */
interface IubLink
{
    const string CLASS = "IubLink";

    // Attribute Names
    //
    const string iubLinkId = "iubLinkId";
    const string userLabel = "userLabel";
    const string iubLinkNodeBFunction = "iubLinkNodeBFunction";
    const string iubLinkUtranCell = "iubLinkUtranCell";

};

};

/**
 * Definitions for MO class UtranRelation
 */
interface UtranRelation
{
    const string CLASS = "UtranRelation";

    // Attribute Names
    //
    const string utranRelationId = "utranRelationId";
    const string relationType = "relationType";
    const string adjacentCell = "adjacentCell";
    const string uarfcnUl= "uarfcnUl";
    const string uarfcnDl= "uarfcnDl";
    const string primaryScramblingCode= "primaryScramblingCode";
    const string primaryCpichPower= "primaryCpichPower";
    const string lac= "lac";

};
```

```
/**
 * Definitions for MO class ExternalUtranCell
 */
interface ExternalUtranCell
{
    const string CLASS = "ExternalUtranCell";

    // Attribute Names
    //
    const string externalUtranCellId = "externalUtranCellId";
    const string userLabel = "userLabel";
    const string cId= "cId";
    const string mcc= "mcc";
    const string mnc= "mnc";
    const string rncId= "rncId";
    const string uarfcnUl= "uarfcnUl";
    const string uarfcnDl= "uarfcnDl";
    const string primaryScramblingCode= "primaryScramblingCode";
    const string primaryCpichPower= "primaryCpichPower";
    const string lac= "lac";
    const string rac= "rac";

};

#endif
```

<b>End of Change to Annex A End of Document</b>
---

## CHANGE REQUEST

⌘ **32.642 CR 012** ⌘ rev **-** ⌘ Current version: **5.1.1** ⌘

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>	⌘ Deletion of UTRAN attribute relationType		
<b>Source:</b>	⌘ S5 T-Mobile (tapinder.pal@t-mobile.de)		
<b>Work item code:</b>	⌘ OAM-CM	<b>Date:</b>	⌘ 09/05/2003
<b>Category:</b>	⌘ <b>A</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>	⌘ The mandatory UTRAN NRM attribute relationType of IOC UtranRelation duplicates information.
<b>Summary of change:</b>	⌘ The attribute relationType has been deleted from the UTRAN Network Resource Model.
<b>Consequences if not approved:</b>	⌘ Redundant information will be retained in the UTRAN NRM.

<b>Clauses affected:</b>	⌘ 6.3.5, 6.5.1										
<b>Other specs affected:</b>	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="text-align: center;">Y</td> <td style="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> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </table> Other core specifications Test specifications O&M Specifications	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	⌘	32.643, 32.644, 32.645
Y	N										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
<input checked="" type="checkbox"/>	<input type="checkbox"/>										
<b>Other comments:</b>	⌘ Rel-5 Mirror of Rel-4 32.642 in S5-036573. Rel-5 Children CRs 32.643, 32.644 and 32.645 attached in S5-036645, S5-036664 and S5-036675										

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



**Change in Clause 6.3.5**

### 6.3.5 UtranRelation

#### 6.3.5.1 Definition

The "UtranRelation" IOC contains radio network related parameters for the relation to the "UtranCell" or "ExternalUtranCell" IOC.

NOTE: In handover relation terms, the cell containing the UTRAN Relation object is the source cell for the handover. The cell referred to in the UTRAN relation object is the target cell for the handover. This defines a one-way handover relation where the direction is *from* source cell *to* target cell.

#### 6.3.5.2 Attributes

**Table 5: Attributes of UtranRelation**

Attribute name	Visibility	Support Qualifier	Read Qualifer	Write Qualifier
utranRelationId	+	M	M	-
relationType	+	<del>M</del>	<del>M</del>	<del>M</del>
adjacentCell	+	M	M	M
uarfcnUI	+	O	M	-
uarfcnDI	+	O	M	-
primaryScramblingCode	+	O	M	-
primaryCpichPower	+	O	M	-
lac	+	O	M	-

#### 6.3.5.3 Attribute constraints

The optionally attributes uarfcnUI, uarfcnDI, primaryScramblingCode, primaryCpichPower and lac shall be included if the EM does not guarantee consistency between the cell definition and what is broadcast on system information. Otherwise they shall not be included.

**End of Change in Clause 6.3.5**

**Change in Clause 6.5.1**

## 6.5.1 Definition and legal values

The table below defines the attributes that are present in several Information Object Classes (IOCs) of this TS.

**Table 11: Attributes**

Attribute Name	Definition	Legal Values
adjacentCell	It carries the DN of the UtranCell or the ExternalUtranCell.	
bchPower	The power of the broadcast channel in the cell (Ref. 3 GPP TS 25.433 [5]).	Type: Numeric value Range: (-35..+15 dB) Steps of 0.1dB
cld	Cid is the identifier of a cell in one RNC (Ref. 3 GPP TS 25.401 [4]), ], 3 GPP TS 25.433 [5]).	Type: Integral numeric value Range: (0...65535)
externalUtranCellId	An attribute whose "name+value" can be used as an RDN when naming an instance of this object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	
iubLinkId	An attribute whose "name+value" can be used as an RDN when naming an instance of this object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	
lac	<b>IOCs UtranCell and ExternalUtranCell:</b> Location Area Code, LAC (Ref. 3 GPP TS 23.003 [3]). <b>IOC UtranRelation:</b> Location Area Code, LAC (Ref. 3 GPP TS 23.003 [3]), for another UTRAN cell or the external UTRAN Cell that is broadcast in the system information in the Cell.	Type: Integral numeric value Range: (1.. 65533, 65535)
localCellId	Local Cell id is used to uniquely identify the set of resources defined in a Node B to support a cell (as defined by a Cid Ref. 3 GPP TS 25.401 [4]), 3 GPP TS 25.433 [5]). It must be unique in Node B at a minimum, but may be unique in UTRAN. It can be used to tie the cell in the RNC to a specific set of resources in the Node B.	Type: Integral numeric value Range: (0...268435455)
maximumTransmissionPower	The maximum transmission power of a cell, DL Power (Ref. 3 GPP TS 25.433 [5]).	Type: Numeric value Range: (0,..50 dBm) Steps of 0.1 dB
mcc	Mobile Country Code, MCC (part of the PLMN Id, Ref. 3 GPP TS 23.003 [3]).	
mnc	Mobile Network Code, MNC (part of the PLMN Id, Ref. 3 GPP TS 23.003 [3]).	
nodeBFunctionId	An attribute whose "name+value" can be used as an RDN when naming an instance of this object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	
primaryCpichPower	<b>IOCs UtranCell and ExternalUtranCell:</b> The power of the primary CPICH channel in the cell (Ref. 3 GPP TS 25.433 [5]). <b>IOC UtranRelation:</b> The power of the primary CPICH channel in the cell (Ref. 3 GPP TS 25.433 [5]), for another UTRAN cell or the external UTRAN Cell that is broadcast in the system information in the Cell.	Type: Numeric value Range: (-10,..,50 dBm) Steps of 0.1 dB
primarySchPower	The power of the primary synchronisation channel in the cell, DL Power (Ref. 3 GPP TS 25.433 [5]).	Type: Numeric value Range: (-35..+15 dB) Steps of 0.1dB
primaryScramblingCode	<b>IOCs UtranCell and ExternalUtranCell:</b> The primary DL scrambling code used by the cell (Ref. 3 GPP TS 25.433 [5]). <b>IOC UtranRelation:</b> The primary DL scrambling code used by the cell (Ref. 3 GPP TS 25.433 [5]), for another UTRAN cell or the external UTRAN Cell that is broadcast in the system information in the Cell.	Type: Integral numeric value Range: (0 – 511)
rac	Routing Area Code, RAC (Ref. 3 GPP TS 23.003 [3]).	Type: Integral numeric value Range: (0..255)

Attribute Name	Definition	Legal Values
relationType	<del>Type of relation: e.g. Intersystem relation, intrafrequency intrasystem relation, interfrequency intrasystem relation.</del>	
rncFunctionId	An attribute whose "name+value" can be used as an RDN when naming an instance of this object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	
rncId	<b>IOC ExternalUtranCell:</b> Unique RNC ID for the drift RNC (Ref. 3 GPP TS 23.003 [3]). <b>IOC RncFunction:</b> Unique RNC ID (Ref. 3 GPP TS 23.003 [3])	
sac	Service Area Code, SAC (Ref. 3 GPP TS 23.003 [3]).	Type: Integral numeric value Range: (0.. 65535)
secondarySchPower	The power of the secondary synchronisation channel in the cell, DL Power (Ref. 3 GPP TS 25.433 [5]).	Type: Numeric value Range: (-35..+15 dB) Steps of 0.1dB
uarfcnDI	<b>IOCs UtranCell and ExternalUtranCell:</b> The DL UTRA absolute Radio Frequency Channel number, UARFCN (Ref. 3 GPP TS 25.433 [5]). <b>IOC UtranRelation:</b> The DL UTRA absolute Radio Frequency Channel number, UARFCN (Ref. 3 GPP TS 25.433 [5]), for another UTRAN cell or the external UTRAN Cell that is broadcast in the system information in the Cell.	The channel number should correspond to a frequency in the downlink band, range 2110 MHz – 2170 MHz, or 1930 MHz – 1990 MHz for ITU Region 2. (Ref. 3GPP TS 25.101).  Type: Integral numeric value Range: (10562 - 10838) or (9662 - 9938)
uarfcnUI	<b>IOCs UtranCell and ExternalUtranCell:</b> The UL UTRA absolute Radio Frequency Channel number, UARFCN (Ref. 3 GPP TS 25.433 [5]). <b>IOC UtranRelation:</b> The UL UTRA absolute Radio Frequency Channel number, UARFCN (Ref. 3 GPP TS 25.433 [5]) for another UTRAN cell or the external UTRAN Cell, that is broadcast in the system information in the Cell	The channel number should correspond to a frequency in the uplink band, range 1920 MHz – 1980 MHz, or 1850 MHz - 1910 MHz for ITU Region 2. (Ref. 3GPP TS 25.101)  Type: Integral numeric value Range: (9612 - 9888) or (9262 – 9538)
ura	UTRAN Registration Area, URA (Ref. 3 GPP TS 25.423 [6]).	Type: Integral numeric value Range: (0..65535)
userLabel	A user-friendly (and user assigned) name of the associated object. Inherited from ManagedFunction.	
utranCellId	An attribute whose "name+value" can be used as an RDN when naming an instance of this object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	
utranRelationId	An attribute whose "name+value" can be used as an RDN when naming an instance of this object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	

**End of Change in Clause 6.5.1**  
**End of Document**

## CHANGE REQUEST

⌘ **32.642 CR 011** ⌘ rev **-** ⌘ Current version: **4.2.0** ⌘

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>	⌘ Deletion of UTRAN attribute relationType		
<b>Source:</b>	⌘ S5 T-Mobile (tapinder.pal@t-mobile.de)		
<b>Work item code:</b>	⌘ OAM-CM	<b>Date:</b>	⌘ 09/05/2003
<b>Category:</b>	⌘ <b>F</b>	<b>Release:</b>	⌘ Rel-4
	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>	⌘ The mandatory UTRAN NRM attribute relationType of MOC UtranRelation duplicates information.
<b>Summary of change:</b>	⌘ The attribute relationType has been deleted from the UTRAN Network Resource Model.
<b>Consequences if not approved:</b>	⌘ Redundant information will be retained in the UTRAN NRM.

<b>Clauses affected:</b>	⌘ 6.3.5										
<b>Other specs affected:</b>	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="text-align: center;">Y</td> <td style="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;">X</td> <td style="text-align: center;"> </td> </tr> </table>	Y	N		X		X	X		Other core specifications Test specifications O&M Specifications	⌘ Rel-4/5 32.643, 32.644, 32.644, Rel-4 32.615
Y	N										
	X										
	X										
X											
<b>Other comments:</b>	⌘ Rel-5 Mirror CR 32.642 in S5-036643. Rel-4 Children CRs 32.643, 32.644 and 32.615 attached in S5-036644, S5-036663, and S5-036646										

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

**Change in Clause 6.3.5**

### 6.3.5 MOC UtranRelation

The "UtranRelation" managed object contains radio network related parameters for the relation to the "UtranCell" or "ExternalUtranCell" managed object.

NOTE: In handover relation terms, the cell containing the UTRAN Relation object is the source cell for the handover. The cell referred to in the UTRAN relation object is the target cell for the handover. This defines a one-way handover relation where the direction is *from* source cell *to* target cell.

**Table 9: Attributes of UtranRelation**

Name	Qualifier	Description
utranRelationId	READ-ONLY, M	An attribute whose "name+value" can be used as an RDN when naming an instance of this object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.
relationType	READ-WRITE, M	Type of relation: e.g. Intersystem relation, intrafrequency intrasystem relation, interfrequency intrasystem relation.
adjacentCell	READ-WRITE, M	Pointer to UTRAN cell or external UTRAN cell. Distinguished name of the corresponding object.
uarfcnUl	READ-ONLY, O	The UL UTRA absolute Radio Frequency Channel number for another UTRAN cell or the external UTRAN cell, that is broadcast in System Information in the Cell, UARFCN (Ref. 3 GPP TS 25.433 [5]). See Note for the optional condition.
uarfcnDl	READ-ONLY, O	The DL UTRA absolute Radio Frequency Channel number for another UTRAN cell or the external UTRAN cell, that is broadcast in System Information in the Cell, UARFCN (Ref. 3 GPP TS 25.433 [5]). See Note for the optional condition.
primaryScramblingCode	READ-ONLY, O	The primary DL scrambling code for another UTRAN cell or the external UTRAN cell, that is broadcast in System Information in the Cell (Ref. 3 GPP TS 25.433 [5]). See Note for the optional condition.
primaryCpichPower	READ-ONLY, O	The power of the primary CPICH channel for another UTRAN cell or the external UTRAN cell, that is broadcast in System Information in the Cell (Ref. 3 GPP TS 25.433 [5]). See Note for the optional condition.
lac	READ-ONLY, O	Location Area Code, LAC (Ref. 3 GPP TS 23.003 [3]), for another UTRAN cell or the external UTRAN cell, that is broadcast in System Information in the Cell. See Note for the optional condition.
NOTE: This attribute shall be included if the EM does not guarantee consistency between the cell definition and what is broadcast on system information.		

**Table 10: Notifications of UtranRelation**

Name	Qualifier	Notes
notifyAttributeValueChange	O	
notifyObjectCreation	O	
notifyObjectDeletion	O	

**End of Change in Clause 6.3.5**  
**End of Document**