

Source: SA5 (Telecom Management)
Title: 6 Rel-5 CR 32.615/25/35/45/55 (XML for Bulk CM
IRP/Generic/Core/UTRAN/GERAN network resources)
Document for: Decision
Agenda Item: 7.5.3

Doc-1st-	Spec	CR	R	Phas	Subject	Cat	Ver	Doc-2nd-	Workitem	Relation
SP-040259	32.615	014	-	Rel-5	Removal of XML schema URI dependencies	F	5.4.0	S5-048413	OAM-NIM	Sibling
SP-040259	32.625	006	-	Rel-5	Removal of XML schema URI dependencies	F	5.2.0	S5-048414	OAM-NIM	Sibling
SP-040259	32.625	007	-	Rel-6	Removal of XML schema URI dependencies	A	6.1.0	S5-048415	OAM-NIM	Sibling
SP-040259	32.635	004	-	Rel-5	Removal of XML schema URI dependencies	F	5.2.0	S5-048416	OAM-NIM	Sibling
SP-040259	32.645	008	-	Rel-5	Removal of XML schema URI dependencies	F	5.4.0	S5-048417	OAM-NIM	Sibling
SP-040259	32.655	007	-	Rel-5	Removal of XML schema URI dependencies	F	5.4.0	S5-048418	OAM-NIM	Sibling

NOTE 1: 32.615/635/645/655 do not exist for Rel-6 yet.

CHANGE REQUEST

⌘ **32.615 CR 014** ⌘ rev - ⌘ Current version: **5.4.0** ⌘

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

Title:	⌘ Removal of XML schema URI dependencies		
Source:	⌘ SA5 (Suzèle Lariven – lariven@nortelnetworks.com)		
Work item code:	⌘ OAM-NIM	Date:	⌘ 14/05/2004
Category:	⌘ F	Release:	⌘ Rel-5
	<i>Use one of the following categories:</i> F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		<i>Use one of the following releases:</i> 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)

Reason for change:	⌘ <ul style="list-style-type: none"> Avoid unnecessary multiplication of CRs and TS versions Remove TS version combination/line-up restrictions from the 3GPP standards: The choice of TS version combination/line-up is implementation specific. It is to be determined by each vendor/operator and not by the 3GPP specifications.
Summary of change:	⌘ Removal of TS versions from XML schema namespace URIs
Consequences if not approved:	⌘ <ul style="list-style-type: none"> TS version combination/line-up would be unnecessarily restricted. Modifications and corrections in an NRM IRP would generally imply a lot of unnecessary modifications of XML schemas of other NRM IRPs.

Clauses affected:	⌘ 4.1, 4.3A.2, 4.4, 4.5, 5.1, 5.3, annex A, annex C, annex D						
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> Other core specifications	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	⌘	
Y	N						
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> Test specifications	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	⌘	
Y	N						
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> O&M Specifications	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	⌘	
Y	N						
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
Other comments:	⌘ Related CRs 32.625, 32.635, 32.645, 32.655 must be approved together with this CR.						

Change in Clause 4.1

4.1 Global structure

[...]

The following is an example of a configuration data XML file, without presentation of the XML attribute specifications and XML content of fileHeader, configData and fileFooter XML elements (replaced by [...]; see subclauses 4.2, 4.3, 4.4 and 4.5):

```
<?xml version="1.0" encoding="UTF-8"?>
<bulkCmConfigDataFile
  xmlns=
  "http://www.3gpp.org/ftp/specs/latest/rel-5/32_series/32615-
540.ziparchive/32_series/32.615#configData"
  [...]
  >
  <fileHeader [...]/>
  <configData [...]>
  [...]
  </configData>
  <configData [...]>
  [...]
  </configData>
  <fileFooter [...]/>
</bulkCmConfigDataFile>
```

End of Change in Clause 4.1

Change in Clause 4.3A.2

4.3A.2 Generic mapping rules

[...]

The following is an example of a configData XML element with regard to NRM-specific XML elements (in **bold**) in a configuration data XML file:

```
<?xml version="1.0" encoding="UTF-8"?>
<bulkCmConfigDataFile
  xmlns=
  "http://www.3gpp.org/ftp/specs/latest/rel-5/32_series/32615-
540.ziparchive/32_series/32.615#configData"
  xmlns:xn=
  "http://www.3gpp.org/ftp/specs/latest/rel-5/32_series/32625-
520.ziparchive/32_series/32.625#genericNrm"
  [...]
  >
  [...]
  <configData dnPrefix="DC=a1.companyNN.com">
    <xn:SubNetwork id="1">
      <xn:attributes>
        <xn:userLabel>Paris SN1</xn:userLabel>
        <xn:userDefinedNetworkType>UMTS</xn:userDefinedNetworkType>
      </xn:attributes>
      <xn:ManagementNode id="1">
        <xn:attributes>
          <xn:userLabel>Paris MN1</xn:userLabel>
          <xn:vendorName>Company NN</xn:vendorName>
          <xn:userDefinedState>commercial</xn:userDefinedState>
```

```

    <xn:locationName>Montparnasse</xn:locationName>
  </xn:attributes>
</xn:ManagementNode>
<xn:ManagedElement id="1">
  <xn:attributes>
    <xn:managedElementType>RNC</xn:managedElementType>
    <xn:userLabel>Paris RN1</xn:userLabel>
    <xn:vendorName>Company NN</xn:vendorName>
    <xn:userDefinedState>commercial</xn:userDefinedState>
    <xn:locationName>Champ de Mars</xn:locationName>
  </xn:attributes>
</xn:ManagedElement>
<xn:ManagedElement id="2">
  <xn:attributes>
    <xn:managedElementType>RNC</xn:managedElementType>
    <xn:userLabel>Paris RN2</xn:userLabel>
    <xn:vendorName>Company NN</xn:vendorName>
    <xn:userDefinedState>commercial</xn:userDefinedState>
    <xn:locationName>Concorde</xn:locationName>
  </xn:attributes>
</xn:ManagedElement>
</xn:SubNetwork>
</configData>
[...]
```

End of Change in Clause 4.3A.2

Change in Clause 4.4

4.4 XML attribute specification modifier

[...]

The following are examples of legal configData XML element with regard to modifier XML attribute specification (in **bold**) in configuration data XML files:

- example 1:

```

<?xml version="1.0" encoding="UTF-8"?>
<bulkCmConfigDataFile
  xmlns=
"http://www.3gpp.org/ftp/specs/latest/rel-5/32_series/32615-
540.ziparchive/32_series/32.615#configData"
  xmlns:xn=
"http://www.3gpp.org/ftp/specs/latest/rel-5/32_series/32625-
520.ziparchive/32_series/32.625#genericNrm"
[...]
```

```

>
[...]
```

```

  <configData dnPrefix="DC=a1.companyNN.com">
    <xn:SubNetwork id="1" modifier="create">
      <xn:attributes>
        <xn:userLabel>Paris SN1</xn:userLabel>
        <xn:userDefinedNetworkType>UMTS</xn:userDefinedNetworkType>
      </xn:attributes>
      <xn:ManagementNode id="1" modifier="create">
        <xn:attributes>
          <xn:userLabel>Paris MN1</xn:userLabel>
          <xn:locationName>Montparnasse</xn:locationName>
[...]
```

```

        </xn:attributes>
    </xn:ManagementNode>
    <xn:ManagedElement id="1" modifier="create">
        <xn:attributes>
            <xn:managedElementType>RNC</xn:managedElementType>
[...]
```

```

        <xn:locationName>Champ de Mars</xn:locationName>
    </xn:attributes>
</xn:ManagedElement>
<xn:ManagedElement id="2" modifier="create">
    <xn:attributes>
        <xn:managedElementType>RNC</xn:managedElementType>
[...]
```

```

        <xn:locationName>Concorde</xn:locationName>
    </xn:attributes>
</xn:ManagedElement>
</xn:SubNetwork>
</configData>
[...]
```

```

</bulkCmConfigDataFile>
```

- example 2:

```

<?xml version="1.0" encoding="UTF-8"?>
<bulkCmConfigDataFile
  xmlns=
| "http://www.3gpp.org/ftp/specs/latest/rel-5/32_series/32615-
540.ziparchive/32_series/32.615#configData"
  xmlns:xn=
| "http://www.3gpp.org/ftp/specs/latest/rel-5/32_series/32625-
520.ziparchive/32_series/32.625#genericNrm"
[...]
```

```

>
[...]
```

```

  <configData dnPrefix="DC=a1.companyNN.com">
    <xn:SubNetwork id="1">
      <xn:ManagedElement id="1" modifier="create">
        <xn:attributes>
          <xn:managedElementType>RNC</xn:managedElementType>
[...]
```

```

          <xn:locationName>Champ de Mars</xn:locationName>
        </xn:attributes>
      </xn:ManagedElement>
      <xn:ManagedElement id="2" modifier="create">
        <xn:attributes>
          <xn:managedElementType>RNC</xn:managedElementType>
[...]
```

```

          <xn:locationName>Concorde</xn:locationName>
        </xn:attributes>
      </xn:ManagedElement>
    </xn:SubNetwork>
  </configData>
[...]
```

```

</bulkCmConfigDataFile>
```

- example 3:

```

<?xml version="1.0" encoding="UTF-8"?>
<bulkCmConfigDataFile
  xmlns=
| "http://www.3gpp.org/ftp/specs/latest/rel-5/32_series/32615-
540.ziparchive/32_series/32.615#configData"
  xmlns:xn=
```

```

"http://www.3gpp.org/ftp/specs/latest/rel-5/32_series/32625-520.ziparchive/32_series/32.625#genericNrm"
[...]
>
[...]
<configData dnPrefix="DC=a1.companyNN.com">
  <xn:SubNetwork id="1" modifier="delete">
    <xn:ManagementNode id="1" modifier="delete">
      </xn:ManagementNode>
    <xn:ManagedElement id="1" modifier="delete">
      </xn:ManagedElement>
    <xn:ManagedElement id="2" modifier="delete">
      </xn:ManagedElement>
  </xn:SubNetwork>
</configData>
[...]
</bulkCmConfigDataFile>

```

- example 4:

```

<?xml version="1.0" encoding="UTF-8"?>
<bulkCmConfigDataFile
  xmlns=
  "http://www.3gpp.org/ftp/specs/latest/rel-5/32_series/32615-540.ziparchive/32_series/32.615#configData"
  xmlns:xn=
  "http://www.3gpp.org/ftp/specs/latest/rel-5/32_series/32625-520.ziparchive/32_series/32.625#genericNrm"
  [...]
  >
  [...]
  <configData dnPrefix="DC=a1.companyNN.com">
    <xn:SubNetwork id="1">
      <xn:ManagedElement id="1" modifier="delete">
        </xn:ManagedElement>
      <xn:ManagedElement id="2" modifier="delete">
        </xn:ManagedElement>
    </xn:SubNetwork>
  </configData>
  [...]
</bulkCmConfigDataFile>

```

- example 5:

```

<?xml version="1.0" encoding="UTF-8"?>
<bulkCmConfigDataFile
  xmlns=
  "http://www.3gpp.org/ftp/specs/latest/rel-5/32_series/32615-540.ziparchive/32_series/32.615#configData"
  xmlns:xn=
  "http://www.3gpp.org/ftp/specs/latest/rel-5/32_series/32625-520.ziparchive/32_series/32.625#genericNrm"
  xmlns:un=
  "http://www.3gpp.org/ftp/specs/latest/rel-5/32_series/32645-540.ziparchive/32_series/32.645#utranNrm"
  [...]
  >
  [...]
  <configData dnPrefix="DC=a1.companyNN.com">
    <xn:SubNetwork id="1" modifier="update">
      <xn:attributes>
        <xn:userLabel>Paris SN1</xn:userLabel>
      </xn:attributes>
    </xn:SubNetwork>
  </configData>

```

```

<xn:ManagementNode id="1" modifier="update">
  <xn:attributes>
    <xn:userLabel>Paris MN1</xn:userLabel>
  </xn:attributes>
</xn:ManagementNode>
<xn:ManagedElement id="1" modifier="delete">
  <un:RncFunction id="1" modifier="delete">
  </un:RncFunction>
</xn:ManagedElement>
<xn:ManagedElement id="2" modifier="create">
  <xn:attributes>
    <xn:managedElementType>RNC</xn:managedElementType>
[...
    <xn:locationName>Concorde</xn:locationName>
  </xn:attributes>
  <un:RncFunction id="2" modifier="create">
    <un:attributes>
      <un:userLabel>Paris RF2</un:userLabel>
[...
      <un:rncId>2</un:rncId>
    </un:attributes>
  </un:RncFunction>
</xn:ManagedElement>
<xn:ManagedElement id="3">
  <un:RncFunction id="3" modifier="update">
    <un:attributes>
      <un:userLabel>Paris RF3</un:userLabel>
    </un:attributes>
  </un:RncFunction>
</xn:ManagedElement>
</xn:SubNetwork>
</configData>
[...
</bulkCmConfigDataFile>

```

End of Change in Clause 4.4

Change in Clause 4.5

4.5 XML elements VsDataContainer, vsData and vsDataFormatVersion

[...]

The following is an example of a vendor-specific XML element (in **bold**) deriving and extending the vsData XML element in a configuration data XML file:

```

<?xml version="1.0" encoding="UTF-8"?>
<bulkCmConfigDataFile
  xmlns=
  "http://www.3gpp.org/ftp/specs/latest/rel-5/32\_series/32615-540.ziparchive/32\_series/32.615#configData"
  xmlns:xn=
  "http://www.3gpp.org/ftp/specs/latest/rel-5/32\_series/32625-520.ziparchive/32\_series/32.625#genericNrm"
  xmlns:un=
  "http://www.3gpp.org/ftp/specs/latest/rel-5/32\_series/32645-540.ziparchive/32\_series/32.645#utranNrm"
  xmlns:vsRH011="http://www.companyNN.com/xmlschemas/NNRncHandOver.1.1"
[...

```

```

>
[...]
<configData dnPrefix="DC=a1.companyNN.com">
  <xn:SubNetwork id="1">
    <xn:ManagedElement id="1">
      <un:RncFunction id="1">
        <xn:VsDataContainer id="1">
          <xn:attributes>
            <xn:vsDataType>RncHandOver</xn:vsDataType>
            <xn:vsDataFormatVersion>NNRncHandOver.1.1</xn:vsDataFormatVersion>
            <vsRH011:vsDataRHO>
              <vsRH011:abcMin>12</vsRH011:abcMin>
              <vsRH011:abcMax>34</vsRH011:abcMax>
            </vsRH011:vsDataRHO>
          </xn:attributes>
        </xn:VsDataContainer>
      </un:RncFunction>
    </xn:ManagedElement>
  </xn:SubNetwork>
</configData>
[...]
</bulkCmConfigDataFile>

```

End of Change in Clause 4.5

Change in Clause 5.1

5.1 Global structure

[...]

The following is an example of a session log XML file, without presentation of the XML attribute specifications and XML content of fileHeader, activity and fileFooter XML elements (replaced by [...]; see subclauses 5.2 and 5.3):

```

<?xml version="1.0" encoding="UTF-8"?>
<bulkCmSessionLogFile
  xmlns=
  "http://www.3gpp.org/ftp/specs/latest/rel-5/32_series/32615-
  540.ziparchive/32\_series/32.615#sessionLog"
  [...]
  >
  <fileHeader [...]/>
  <activity [...>
  [...]
  </activity>
  <activity [...>
  [...]
  </activity>
  <fileFooter [...]/>
</bulkCmSessionLogFile>

```

End of Change in Clause 5.1

Change in Clause 5.3

5.3 XML element activity

[...]

The following is an example of an activity XML element (in **bold**) in a session log XML file:

```
<?xml version="1.0" encoding="UTF-8"?>
<bulkCmSessionLogFile
  xmlns=
"http://www.3gpp.org/ftp/specs/latest/rel-5/32_series/32615-
540.ziparchive/32_series/32.615#sessionLog"
  [...]
  >
  [...]
  <activity dateTime="2001-05-07T12:00:00+02:00" type="download">
    <log time="12:00:01+02:00" type="informative">
      Download requested with:
      downloadDataFileReference="ftp://a1.companyNN.com/data/upld123.xml"
    </log>
    <log time="12:00:02+02:00" type="error"
      dn="DC=a1.companyNN.com,SubNetwork=1"
      modifier="update"
    >
      No such instance
    </log>
  </activity>
  [...]
</bulkCmSessionLogFile>
```

End of Change in Clause 5.3

Change in Clause Annex A

Annex A (normative): Configuration data file base XML schema (file name "configData.xsd")

The following XML schema configData.xsd is the base schema for configuration data XML files:

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

<!--
  3GPP TS 32.615 Bulk CM IRP
  Configuration data file base XML schema
  configData.xsd
-->

<schema
  targetNamespace=
"http://www.3gpp.org/ftp/specs/latest/rel-5/32_series/32615-
540.ziparchive/32_series/32.615#configData"

  elementFormDefault="qualified"

  xmlns="http://www.w3.org/2001/XMLSchema"
```

```

xmlns:xn=
| "http://www.3gpp.org/ftp/specs/latest/rel-5/32_series/32625-
520.ziparchive/32_series/32.625#genericNrm"

xmlns:cn=
| "http://www.3gpp.org/ftp/specs/latest/rel-5/32_series/32635-
520.ziparchive/32_series/32.635#coreNrm"

xmlns:un=
| "http://www.3gpp.org/ftp/specs/latest/rel-5/32_series/32645-
540.ziparchive/32_series/32.645#utranNrm"

xmlns:gn=
| "http://www.3gpp.org/ftp/specs/latest/rel-5/32_series/32655-
540.ziparchive/32_series/32.655#geranNrm"
>

<import
  namespace=
| "http://www.3gpp.org/ftp/specs/latest/rel-5/32_series/32625-
520.ziparchive/32_series/32.625#genericNrm"
  />
<import
  namespace=
| "http://www.3gpp.org/ftp/specs/latest/rel-5/32_series/32635-
520.ziparchive/32_series/32.635#coreNrm"
  />
<import
  namespace=
| "http://www.3gpp.org/ftp/specs/latest/rel-5/32_series/32645-
540.ziparchive/32_series/32.645#utranNrm"
  />
<import
  namespace=
| "http://www.3gpp.org/ftp/specs/latest/rel-5/32_series/32655-
540.ziparchive/32_series/32.655#geranNrm"
  />

<!-- Configuration data file root XML element -->

<element name="bulkCmConfigDataFile">
  <complexType>
    <sequence>
      <element name="fileHeader">
        <complexType>
          <attribute name="fileFormatVersion" type="string" use="required"/>
          <attribute name="senderName" type="string" use="optional"/>
          <attribute name="vendorName" type="string" use="optional"/>
        </complexType>
      </element>
      <element name="configData" maxOccurs="unbounded">
        <complexType>
          <choice>
            <element ref="xn:SubNetwork"/>
            <element ref="xn:MeContext"/>
            <element ref="xn:ManagedElement"/>
          </choice>
          <attribute name="dnPrefix" type="string" use="optional"/>
        </complexType>
      </element>
      <element name="fileFooter">
        <complexType>

```

```

        <attribute name="dateTime" type="dateTime" use="required"/>
    </complexType>
</element>
</sequence>
</complexType>
</element>

</schema>

```

End of Change in Clause Annex A

Change in Clause Annex C

Annex C (informative): Configuration data file vendor-specific XML schema example

The following XML schema is an example of vendor-specific schema for configuration data XML files:

```

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

<!--
  Configuration data file vendor-specific XML schema example
  NNRncHandOver.1.1.xsd
-->

<schema
  targetNamespace="http://www.companyNN.com/xmlschemas/NNRncHandOver.1.1"
  elementFormDefault="qualified"
  xmlns="http://www.w3.org/2001/XMLSchema"
  xmlns:xn=
  "http://www.3gpp.org/ftp/specs/latest/rel-5/32_series/32625-
520.ziparchive/32_series/32.625#genericNrm"
  >

  <import
    namespace=
    "http://www.3gpp.org/ftp/specs/latest/rel-5/32_series/32625-
520.ziparchive/32_series/32.625#genericNrm"
    />

  <!-- RncHandOver version 1.1 company NN vendor-specific data -->

  <element name="vsDataRHO" substitutionGroup="xn:vsData">
    <complexType>
      <complexContent>
        <extension base="xn:vsData">
          <all>
            <element name="abcMin" minOccurs="0"/>
            <element name="abcMax" minOccurs="0"/>
          </all>
        </extension>
      </complexContent>
    </complexType>
  </element>

</schema>

```

End of Change in Clause Annex C

Change in Clause Annex D

Annex D (normative): Session log file XML schema (file name "sessionLog.xsd")

The following XML schema sessionLog.xsd is the schema for session log XML files:

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

<!--
  3GPP TS 32.615 Bulk CM IRP
  Session log file XML schema
  sessionLog.xsd
-->

<schema
  targetNamespace=
  "http://www.3gpp.org/ftp/specs/latest/rel-5/32_series/32615-
  540.zip/archive/32_series/32.615#sessionLog"
  elementFormDefault="qualified"
  xmlns="http://www.w3.org/2001/XMLSchema"
>

  <!-- Session log file root XML element -->

  <element name="bulkCmSessionLogFile">
    <complexType>
      <sequence>
        <element name="fileHeader">
          <complexType>
            <attribute name="fileFormatVersion" type="string" use="required"/>
            <attribute name="senderName" type="string" use="optional"/>
            <attribute name="vendorName" type="string" use="optional"/>
          </complexType>
        </element>
        <element name="activity" maxOccurs="unbounded">
          <complexType>
            <sequence>
              <element name="log" maxOccurs="unbounded">
                <complexType>
                  <simpleContent>
                    <extension base="string">
                      <attribute name="time" type="time" use="required"/>
                      <attribute name="type" use="required">
                        <simpleType>
                          <restriction base="string">
                            <enumeration value="informative"/>
                            <enumeration value="error"/>
                          </restriction>
                        </simpleType>
                      </attribute>
                      <attribute name="dn" type="string" use="optional"/>
                      <attribute name="modifier" use="optional">
                        <simpleType>
                          <restriction base="string">
```

```

        <enumeration value="create"/>
        <enumeration value="delete"/>
        <enumeration value="update"/>
    </restriction>
</simpleType>
</attribute>
</extension>
</simpleContent>
</complexType>
</element>
</sequence>
<attribute name="dateTime" type="dateTime" use="required"/>
<attribute name="type" use="required">
    <simpleType>
        <restriction base="string">
            <enumeration value="upload"/>
            <enumeration value="download"/>
            <enumeration value="validate"/>
            <enumeration value="preactivate"/>
            <enumeration value="activate"/>
            <enumeration value="fallback"/>
        </restriction>
    </simpleType>
</attribute>
</complexType>
</element>
<element name="fileFooter">
    <complexType>
        <attribute name="dateTime" type="dateTime" use="required"/>
    </complexType>
</element>
</sequence>
</complexType>
</element>
</schema>

```

<p>End of Change in Clause Annex D End of Document</p>

Annex F (informative): Change history

Change history							
Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
Jun 2001	S_12	SP-010283	--	--	Approved at TSG SA #12 and placed under Change Control	2.0.0	4.0.0
Dec 2001	S_14	SP-010645	001	--	Addition of MCC and MNC attributes to GSM cell related MOCs in Bulk CM XML file format	4.0.0	4.1.0
Mar 2002	S_15	SP-020032	002	--	Alignment of XML file definitions with W3C, and modifications to allow use of commercially available XML processing tools	4.1.0	4.2.0
Jun 2002	S_16	SP-020298	003	--	New structure of specifications for the definition of Bulk CM IRP XML file formats	4.2.0	5.0.0
Sep 2002	--	--	--	--	Cosmetics by Rapporteur/MCC	5.0.0	5.0.1
Jun 2003	S_20	SP-030284	006	--	Correction of Bulk CM session log file XML element "log" declaration	5.0.1	5.1.0
Jun 2003	S_20	SP-030287	007	--	Correction of Bulk CM configuration data file XML schema namespace URIs	5.0.1	5.1.0
Jun 2003	S_20	SP-030288	008	--	Generic NRM XML schema dependencies removal	5.0.1	5.1.0
Sep 2003	S_21	SP-030414	009	--	Add missing Activities to Session Log XML	5.1.0	5.2.0
Sep 2003	S_21	SP-030418	010	--	Inclusion of External BSS Function in GERAN XML Schema - Alignment with 32.652/655	5.1.0	5.2.0
Oct 2003	--	--	--	--	Attached to this TS the normative XML schema electronic files corresponding to Sept 2003 TS 32.615	5.2.0	5.2.1
Dec 2003	S_22	SP-030646	012	--	Correction of the number of possible URAs from 1 to 8	5.2.1	5.3.0
Mar 2004	S_23	SP-040131	013	--	Add the capability to contain instances of VsDataContainer to some MOs - Align with the IS 32.612	5.3.0	5.4.0

CHANGE REQUEST

⌘ **32.625 CR 006** ⌘ rev - ⌘ Current version: **5.2.0** ⌘

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

Title:	⌘ Removal of XML schema URI dependencies		
Source:	⌘ SA5 (Suzèle Lariven – lariven@nortelnetworks.com)		
Work item code:	⌘ OAM-NIM	Date:	⌘ 14/05/2004
Category:	⌘ F	Release:	⌘ Rel-5
	<i>Use one of the following categories:</i> F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		<i>Use one of the following releases:</i> 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)

Reason for change:	⌘ <ul style="list-style-type: none"> Avoid unnecessary multiplication of CRs and TS versions Remove TS version combination/line-up restrictions from the 3GPP standards: The choice of TS version combination/line-up is implementation specific. It is to be determined by each vendor/operator and not by the 3GPP specifications.
Summary of change:	⌘ Removal of TS versions from XML schema namespace URIs
Consequences if not approved:	⌘ <ul style="list-style-type: none"> TS version combination/line-up would be unnecessarily restricted. Modifications and corrections in an NRM IRP would generally imply a lot of unnecessary modifications of XML schemas of other NRM IRPs.

Clauses affected:	⌘ Annex A						
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 20px;">Y</td> <td style="width: 20px;">N</td> </tr> <tr> <td style="width: 20px;"><input type="checkbox"/></td> <td style="width: 20px;"><input checked="" type="checkbox"/></td> </tr> </table> 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; text-align: center;"> <tr> <td style="width: 20px;"><input type="checkbox"/></td> <td style="width: 20px;"><input checked="" type="checkbox"/></td> </tr> </table> Test specifications	<input type="checkbox"/>	<input checked="" type="checkbox"/>	⌘			
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 20px;"><input type="checkbox"/></td> <td style="width: 20px;"><input checked="" type="checkbox"/></td> </tr> </table> O&M Specifications	<input type="checkbox"/>	<input checked="" type="checkbox"/>	⌘			
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
Other comments:	⌘ Related CRs on TS 32.615, 32.635, 32.645, 32.655 must be approved together with this CR.						

Annex A (normative): Configuration data file NRM-specific XML schema (file name "genericNrm.xsd")

The following XML schema `genericNrm.xsd` is the NRM-specific schema for the Generic Network Resources IRP NRM defined in 3GPP TS 32.622 [1]:

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

<!--
  3GPP TS 32.625 Generic Network Resources IRP
  Bulk CM Configuration data file NRM-specific XML schema
  genericNrm.xsd
-->

<schema
  targetNamespace=
  "http://www.3gpp.org/ftp/specs/latest/rel-5/32_series/32625-
520.ziparchive/32_series/32.625#genericNrm"
  elementFormDefault="qualified"
  xmlns="http://www.w3.org/2001/XMLSchema"
  xmlns:xn=
  "http://www.3gpp.org/ftp/specs/latest/rel-5/32_series/32625-
520.ziparchive/32_series/32.625#genericNrm"
>

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

  <complexType name="NrmClass">
    <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:NrmClass">
          <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="xn:SubNetworkOptionallyContainedNrmClass"/>
        <element ref="xn:VsDataContainer"/>
    </choice>
</sequence>
</extension>
</complexContent>
</complexType>
</element>

<element name="ManagedElement">
    <complexType>
        <complexContent>
            <extension base="xn:NrmClass">
                <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="xn:ManagedElementOptionallyContainedNrmClass"/>
                        <element ref="xn:VsDataContainer"/>
                    </choice>
                </sequence>
            </extension>
        </complexContent>
    </complexType>
</element>

<element name="MeContext">
    <complexType>
        <complexContent>
            <extension base="xn:NrmClass">
                <sequence>
                    <element name="attributes" minOccurs="0">
                        <complexType>
                            </complexType>
                        </element>
                    <choice minOccurs="0" maxOccurs="unbounded">
                        <element ref="xn:ManagedElement"/>
                    </choice>
                </sequence>
            </extension>
        </complexContent>
    </complexType>
</element>

<element name="ManagementNode">
    <complexType>

```

```

<complexContent>
  <extension base="xn:NrmClass">
    <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"/>
        <element ref="xn:VsDataContainer"/>
      </choice>
    </sequence>
  </extension>
</complexContent>
</complexType>
</element>

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

```

```

    </complexContent>
  </complexType>
</element>

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

<element name="VsDataContainer">
  <complexType>
    <complexContent>
      <extension base="xn:NrmClass">
        <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>

<!--
  Abstract head XML element for all XML elements associated to further
  NRM classes optionally contained under SubNetwork NRM class
-->

<element
  name="SubNetworkOptionallyContainedNrmClass"
  type="xn:NrmClass"
  abstract="true"
/>

<!--
  Abstract head XML element for all XML elements associated to further
  NRM classes optionally contained under ManagedElement NRM class
-->

<element
  name="ManagedElementOptionallyContainedNrmClass"
  type="xn:NrmClass"
  abstract="true"
/>

</schema>

```

<p>End of Change in Clause Annex A End of Document</p>

Annex C (informative): Change history

Change history							
Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
Jun 2002	S_16	SP-020298	--	--	Submitted to TSG SA #16 for Information	1.0.0	
Sep 2002	S_17	SP-020460	--	--	Submitted to TSG SA #17 for Approval	2.0.0	5.0.0
Jun 2003	S_20	SP-030287	001	--	Correction of Generic NRM XML schema namespace URIs	5.0.0	5.1.0
Jun 2003	S_20	SP-030288	002	--	Generic NRM XML schema dependencies removal	5.0.0	5.1.0
Sep 2003	--	--	--	--	Editorials & Cosmetics	5.1.0	5.1.1
Oct 2003	--	--	--	--	Attached to this TS the normative XML schema electronic files corresponding to Sept 2003 TS 32.625	5.1.1	5.1.2
Mar 2004	S_23	SP-040131	004	--	Add the capability to contain instances of VsDataContainer to some MOs - Align with the IS 32.622	5.1.2	5.2.0

CHANGE REQUEST

⌘ **32.625 CR 007** ⌘ rev - ⌘ Current version: **6.1.0** ⌘

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

Title:	⌘ Removal of XML schema URI dependencies		
Source:	⌘ SA5 (Suzèle Lariven – lariven@nortelnetworks.com)		
Work item code:	⌘ OAM-NIM	Date:	⌘ 14/05/2004
Category:	⌘ A	Release:	⌘ Rel-6
	Use <u>one</u> of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		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)

Reason for change:	⌘ <ul style="list-style-type: none"> Avoid unnecessary multiplication of CRs and TS versions Remove TS version combination/line-up restrictions from the 3GPP standards: The choice of TS version combination/line-up is implementation specific. It is to be determined by each vendor/operator and not by the 3GPP specifications.
Summary of change:	⌘ Removal of TS versions from XML schema namespace URIs
Consequences if not approved:	⌘ <ul style="list-style-type: none"> TS version combination/line-up would be unnecessarily restricted. Modifications and corrections in an NRM IRP would generally imply a lot of unnecessary modifications of XML schemas of other NRM IRPs.

Clauses affected:	⌘ Annex A						
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> Other core specifications	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	⌘	
Y	N						
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> Test specifications	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	⌘	
Y	N						
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> O&M Specifications	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	⌘	
Y	N						
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
Other comments:	⌘ Related CRs on TS 32.615, 32.635, 32.645, 32.655 must be approved together with this CR.						

Annex A (normative): Configuration data file NRM-specific XML schema (file name "genericNrm.xsd")

The following XML schema `genericNrm.xsd` is the NRM-specific schema for the Generic Network Resources IRP NRM defined in 3GPP TS 32.622 [1]:

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

<!--
  3GPP TS 32.625 Generic Network Resources IRP
  Bulk CM Configuration data file NRM-specific XML schema
  genericNrm.xsd
-->

<schema
  targetNamespace=
  "http://www.3gpp.org/ftp/specs/latest/rel-6/32_series/32625-
610.ziparchive/32_series/32.625#genericNrm"
  elementFormDefault="qualified"
  xmlns="http://www.w3.org/2001/XMLSchema"
  xmlns:xn=
  "http://www.3gpp.org/ftp/specs/latest/rel-6/32_series/32625-
610.ziparchive/32_series/32.625#genericNrm"
>

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

  <complexType name="NrmClass">
    <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:NrmClass">
          <sequence>
            <element name="attributes" minOccurs="0">
              <complexType>
                <all>
                  <element name="userLabel" minOccurs="0"/>
                  <element name="userDefinedNetworkType" minOccurs="0"/>
                  <element name="setOfMcc" minOccurs="0"/>
                </all>
              </complexType>
            </element>
          </sequence>
        </complexContent>
      </complexType>
    </element>
  </element>
</schema>
```

```

        <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="xn:SubNetworkOptionallyContainedNrmClass"/>
            <element ref="xn:VsDataContainer"/>
        </choice>
    </sequence>
</extension>
</complexContent>
</complexType>
</element>

<element name="ManagedElement">
    <complexType>
        <complexContent>
            <extension base="xn:NrmClass">
                <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="xn:ManagedElementOptionallyContainedNrmClass"/>
                        <element ref="xn:VsDataContainer"/>
                    </choice>
                </sequence>
            </extension>
        </complexContent>
    </complexType>
</element>

<element name="MeContext">
    <complexType>
        <complexContent>
            <extension base="xn:NrmClass">
                <sequence>
                    <element name="attributes" minOccurs="0">
                        <complexType>
                            </complexType>
                        </element>
                    <choice minOccurs="0" maxOccurs="unbounded">
                        <element ref="xn:ManagedElement"/>
                    </choice>
                </sequence>
            </extension>
        </complexContent>
    </complexType>
</element>

<element name="ManagementNode">

```



```

<complexType>
  <complexContent>
    <extension base="xn:NrmClass">
      <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"/>
          <element ref="xn:VsDataContainer"/>
        </choice>
      </sequence>
    </extension>
  </complexContent>
</complexType>
</element>

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

```

```

        </extension>
    </complexContent>
</complexType>
</element>

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

<element name="VsDataContainer">
    <complexType>
        <complexContent>
            <extension base="xn:NrmClass">

```

```

<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>

<!--
  Abstract head XML element for all XML elements associated to further
  NRM classes optionally contained under SubNetwork NRM class
-->

<element
  name="SubNetworkOptionallyContainedNrmClass"
  type="xn:NrmClass"
  abstract="true"
/>

<!--
  Abstract head XML element for all XML elements associated to further
  NRM classes optionally contained under ManagedElement NRM class
-->

<element
  name="ManagedElementOptionallyContainedNrmClass"
  type="xn:NrmClass"
  abstract="true"
/>

</schema>

```

<p>End of Change in Clause Annex A End of Document</p>

Annex C (informative): Change history

Change history							
Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
Jun 2002	S_16	SP-020298	--	--	Submitted to TSG SA #16 for Information	1.0.0	
Sep 2002	S_17	SP-020460	--	--	Submitted to TSG SA #17 for Approval	2.0.0	5.0.0
Jun 2003	S_20	SP-030287	001	--	Correction of Generic NRM XML schema namespace URIs	5.0.0	5.1.0
Jun 2003	S_20	SP-030288	002	--	Generic NRM XML schema dependencies removal	5.0.0	5.1.0
Sep 2003	--	--	--	--	Editorials & Cosmetics	5.1.0	5.1.1
Oct 2003	--	--	--	--	Attached to this TS the normative XML schema electronic files corresponding to Sept 2003 TS 32.625	5.1.1	5.1.2
Dec 2003	S_22	SP-030648	003	--	Add SetofMcc attribute in Generic NRM XML definition for NRM alignment	5.1.2	6.0.0
Mar 2004	S_23	SP-040131	005	--	Add the capability to contain instances of VsDataContainer to some MOs - Align with IS 32.622	6.0.0	6.1.0

CHANGE REQUEST

⌘ **32.635 CR 004** ⌘ rev - ⌘ Current version: **5.2.0** ⌘

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

Title:	⌘ Removal of XML schema URI dependencies		
Source:	⌘ SA5 (Suzèle Lariven – lariven@nortelnetworks.com)		
Work item code:	⌘ OAM-NIM	Date:	⌘ 14/05/2004
Category:	⌘ F	Release:	⌘ Rel-5
	Use <u>one</u> of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		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)

Reason for change:	⌘ <ul style="list-style-type: none"> Avoid unnecessary multiplication of CRs and TS versions Remove TS version combination/line-up restrictions from the 3GPP standards: The choice of TS version combination/line-up is implementation specific. It is to be determined by each vendor/operator and not by the 3GPP specifications.
Summary of change:	⌘ Removal of TS versions from XML schema namespace URIs
Consequences if not approved:	⌘ <ul style="list-style-type: none"> TS version combination/line-up would be unnecessarily restricted. Modifications and corrections in an NRM IRP would generally imply a lot of unnecessary modifications of XML schemas of other NRM IRPs.

Clauses affected:	⌘ Annex A						
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> Other core specifications	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	⌘	
Y	N						
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> Test specifications	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	⌘	
Y	N						
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> O&M Specifications	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	⌘	
Y	N						
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
Other comments:	⌘ Related CRs on TS 32.615, 32.625, 32.645, 32.655 must be approved together with this CR.						

Annex A (normative): Configuration data file NRM-specific XML schema (file name "coreNrm.xsd")

The following XML schema coreNrm.xsd is the NRM-specific schema for the Core Network Resources IRP NRM defined in 3GPP TS 32.632 [1]:

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

<!--
  3GPP TS 32.635 Core Network Resources IRP
  Bulk CM Configuration data file NRM-specific XML schema
  coreNrm.xsd
-->

<schema
  targetNamespace=
  "http://www.3gpp.org/ftp/specs/latest/rel-5/32_series/32635-
520.ziparchive/32_series/32.635#coreNrm"
  elementFormDefault="qualified"
  xmlns="http://www.w3.org/2001/XMLSchema"
  xmlns:xn=
  "http://www.3gpp.org/ftp/specs/latest/rel-5/32_series/32625-
520.ziparchive/32_series/32.625#genericNrm"
  xmlns:cn=
  "http://www.3gpp.org/ftp/specs/latest/rel-5/32_series/32635-
520.ziparchive/32_series/32.635#coreNrm"
  >

  <import
    namespace=
    "http://www.3gpp.org/ftp/specs/latest/rel-5/32_series/32625-
520.ziparchive/32_series/32.625#genericNrm"
    />

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

  <element
    name="MscFunction"
    substitutionGroup="xn:ManagedElementOptionallyContainedNrmClass"
  >
    <complexType>
      <complexContent>
        <extension base="xn:NrmClass">
          <sequence>
            <element name="attributes" minOccurs="0">
              <complexType>
                <all>
                  <element name="userLabel" minOccurs="0"/>
                </all>
              </complexType>
            </element>
            <choice minOccurs="0" maxOccurs="unbounded">
              <element ref="xn:VsDataContainer"/>
            </choice>
          </sequence>
        </extension>
      </complexContent>
    </complexType>
  </element>
</schema>
```

```

    </complexContent>
  </complexType>
</element>

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

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

<element
  name="AucFunction"
  substitutionGroup="xn:ManagedElementOptionallyContainedNrmClass"
>
  <complexType>
    <complexContent>
      <extension base="xn:NrmClass">
        <sequence>
          <element name="attributes" minOccurs="0">
            <complexType>
              <all>

```

```

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

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

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

<element
    name="SmsGmscFunction"

```



```

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

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

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

```

```

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

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

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

<element
  name="SmlcFunction"
  substitutionGroup="xn:ManagedElementOptionallyContainedNrmClass"
  >
  <complexType>
    <complexContent>
      <extension base="xn:NrmClass">
        <sequence>

```

```

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

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

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

```

```

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

```

```

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

```

```

<element
  name="CgfFunction"
  substitutionGroup="xn:ManagedElementOptionallyContainedNrmClass"
>
  <complexType>
    <complexContent>
      <extension base="xn:NrmClass">
        <sequence>
          <element name="attributes" minOccurs="0">
            <complexType>
              <all>
                <element name="userLabel" minOccurs="0"/>
              </all>
            </complexType>
          </element>
        </sequence>
      </extension>
    </complexContent>
  </complexType>
</element>

```

```

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

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

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

<element
    name="IwfFunction"
    substitutionGroup="xn:ManagedElementOptionallyContainedNrmClass"
>
    <complexType>

```

```

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

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

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

```

```

    </complexContent>
  </complexType>
</element>

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

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

<element
  name="BsFunction"
  substitutionGroup="xn:ManagedElementOptionallyContainedNrmClass"
>
  <complexType>
    <complexContent>
      <extension base="xn:NrmClass">
        <sequence>
          <element name="attributes" minOccurs="0">
            <complexType>
              <all>

```

```

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

</schema>

```

End of Change in Clause Annex A
End of Document

Annex C (informative): Change history

Change history							
Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
Jun 2002	S_16	SP-020298	--	--	Submitted to TSG SA #16 for Information	1.0.0	
Sep 2002	S_17	SP-020461	--	--	Submitted to TSG SA #17 for Approval	2.0.0	5.0.0
Jun 2003	S_20	SP-030287	001	--	Correction of Core NRM XML schema namespace URIs	5.0.0	5.1.0
Jun 2003	S_20	SP-030288	002	--	Generic NRM XML schema dependencies removal	5.0.0	5.1.0
Oct 2003	--	--	--	--	Attached to this TS the normative XML schema electronic files corresponding to June 2003 TS 32.635	5.1.0	5.1.1
Mar 2004	S_23	SP-040131	003	--	Add the capability to contain instances of VsDataContainer to some MOs - Align with the IS 32.632	5.1.1	5.2.0

CHANGE REQUEST

⌘ **32.645 CR 008** ⌘ rev - ⌘ Current version: **5.4.0** ⌘

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

Title:	⌘ Removal of XML schema URI dependencies		
Source:	⌘ SA5 (Suzèle Lariven – lariven@nortelnetworks.com)		
Work item code:	⌘ OAM-NIM	Date:	⌘ 14/05/2004
Category:	⌘ F	Release:	⌘ Rel-5
	<i>Use one of the following categories:</i> F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		<i>Use one of the following releases:</i> 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)

Reason for change:	⌘ <ul style="list-style-type: none"> Avoid unnecessary multiplication of CRs and TS versions Remove TS version combination/line-up restrictions from the 3GPP standards: The choice of TS version combination/line-up is implementation specific. It is to be determined by each vendor/operator and not by the 3GPP specifications.
Summary of change:	⌘ Removal of TS versions from XML schema namespace URIs
Consequences if not approved:	⌘ <ul style="list-style-type: none"> TS version combination/line-up would be unnecessarily restricted. Modifications and corrections in an NRM IRP would generally imply a lot of unnecessary modifications of XML schemas of other NRM IRPs.

Clauses affected:	⌘ Annex A						
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 20px;">Y</td> <td style="width: 20px;">N</td> </tr> <tr> <td style="width: 20px;"><input type="checkbox"/></td> <td style="width: 20px;"><input checked="" type="checkbox"/></td> </tr> </table> 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; text-align: center;"> <tr> <td style="width: 20px;"><input type="checkbox"/></td> <td style="width: 20px;"><input checked="" type="checkbox"/></td> </tr> </table> Test specifications	<input type="checkbox"/>	<input checked="" type="checkbox"/>	⌘			
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 20px;"><input type="checkbox"/></td> <td style="width: 20px;"><input checked="" type="checkbox"/></td> </tr> </table> O&M Specifications	<input type="checkbox"/>	<input checked="" type="checkbox"/>	⌘			
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
Other comments:	⌘ Related CRs on TS 32.615, 32.625, 32.635, 32.655 must be approved together with this CR.						

Annex A (normative): Configuration data file NRM-specific XML schema (file name "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-5/32_series/32645-
540.ziparchive/32_series/32.645#utranNrm"
  elementFormDefault="qualified"
  xmlns="http://www.w3.org/2001/XMLSchema"
  xmlns:xn=
  "http://www.3gpp.org/ftp/specs/latest/rel-5/32_series/32625-
520.ziparchive/32_series/32.625#genericNrm"
  xmlns:un=
  "http://www.3gpp.org/ftp/specs/latest/rel-5/32_series/32645-
540.ziparchive/32_series/32.645#utranNrm"
  xmlns:gn=
  "http://www.3gpp.org/ftp/specs/latest/rel-5/32_series/32655-
540.ziparchive/32_series/32.655#geranNrm"
  >

  <import
    namespace=
    "http://www.3gpp.org/ftp/specs/latest/rel-5/32_series/32625-
520.ziparchive/32_series/32.625#genericNrm"
    />
  <import
    namespace=
    "http://www.3gpp.org/ftp/specs/latest/rel-5/32_series/32655-
540.ziparchive/32_series/32.655#geranNrm"
    />

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

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

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

```

</simpleType>

<simpleType name="uarfcnDl">
  <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="uarfcnUl">
  <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="primaryScramblingCode">
  <restriction base="integer">
    <minInclusive value="0"/>
    <maxInclusive value="511"/>
  </restriction>
</simpleType>

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

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

<simpleType name="primarySchPower">
  <restriction base="decimal">
    <fractionDigits value="1"/>
    <minInclusive value="-35"/>

```

```

    <maxInclusive value="+15"/>
  </restriction>
</simpleType>

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

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

<simpleType name="lac">
  <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>

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

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

<complexType name="uraList">
  <sequence>
    <element name="ura" minOccurs="1" maxOccurs="8">
      <simpleType>
        <restriction base="integer">
          <minInclusive value="0"/>
          <maxInclusive value="65535"/>
        </restriction>
      </simpleType>
    </element>
  </sequence>
</complexType>

```

```

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

<element
  name="RncFunction"
  substitutionGroup="xn:ManagedElementOptionallyContainedNrmClass"
>
  <complexType>
    <complexContent>
      <extension base="xn:NrmClass">
        <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"
  substitutionGroup="xn:ManagedElementOptionallyContainedNrmClass"
>
  <complexType>
    <complexContent>
      <extension base="xn:NrmClass">
        <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:NrmClass">
        <sequence>
          <element name="attributes" minOccurs="0">

```

```

<complexType>
  <all>
    <element name="userLabel" minOccurs="0"/>
    <element name="cId" type="un:cId" minOccurs="0"/>
    <element
      name="localCellId"
      type="un:localCellId"
      minOccurs="0"
    />
    <element
      name="uarfcnUl"
      type="un:uarfcnDl"
      minOccurs="0"
    />
    <element
      name="uarfcnDl"
      type="un:uarfcnUl"
      minOccurs="0"
    />
    <element
      name="primaryScramblingCode"
      type="un:primaryScramblingCode"
      minOccurs="0"
    />
    <element
      name="primaryCpichTxPower"
      type="un:primaryCpichTxPower"
      minOccurs="0"
    />
    <element
      name="maximumTransmissionPower"
      type="un:maximumTransmissionPower"
      minOccurs="0"
    />
    <element
      name="primarySchPower"
      type="un:primarySchPower"
      minOccurs="0"
    />
    <element
      name="secondarySchPower"
      type="un:secondarySchPower"
      minOccurs="0"
    />
    <element name="bchPower"
      type="un:bchPower"
      minOccurs="0"
    />
    <element name="lac" type="un:lac" minOccurs="0"/>
    <element name="rac" type="un:rac" minOccurs="0"/>
    <element name="sac" type="un:sac" minOccurs="0"/>
    <element name="uraList" type="un:uraList" 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:NrmClass">
        <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>
          <choice minOccurs="0" maxOccurs="unbounded">
            <element ref="xn:VsDataContainer"/>
          </choice>
        </sequence>
      </extension>
    </complexContent>
  </complexType>
</element>

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

```

```

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

<element
name="ExternalUtranCell"
substitutionGroup="xn:SubNetworkOptionallyContainedNrmClass"
>
    <complexType>
        <complexContent>
            <extension base="xn:NrmClass">
                <sequence>
                    <element name="attributes" minOccurs="0">
                        <complexType>
                            <all>
                                <element name="userLabel" minOccurs="0"/>
                                <element name="cId" type="un:cId" minOccurs="0"/>
                                <element name="mcc" minOccurs="0"/>
                                <element name="mnc" minOccurs="0"/>
                                <element name="rncId" minOccurs="0"/>
                                <element
                                    name="uarfcnUl"
                                    type="un:uarfcnUl"
                                    minOccurs="0"
                                />
                                <element
                                    name="uarfcnDl"
                                    type="un:uarfcnDl"
                                    minOccurs="0"
                                />
                                <element
                                    name="primaryScramblingCode"
                                    type="un:primaryScramblingCode"
                                    minOccurs="0"
                                />
                                <element
                                    name="primaryCpichTxPower"
                                    type="un:primaryCpichTxPower"
                                    minOccurs="0"
                                />
                                <element name="lac" type="un:lac" minOccurs="0"/>
                                <element name="rac" type="un:rac" minOccurs="0"/>
                            </all>
                        </complexType>
                    </element>
                    <choice minOccurs="0" maxOccurs="unbounded">
                        <element ref="xn:VsDataContainer"/>
                    </choice>
                </sequence>
            </extension>
        </complexContent>
    </complexType>
</element>
</schema>

```

<p>End of Change in Clause Annex A End of Document</p>

Annex C (informative): Change history

Change history							
Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
Jun 2002	S_16	SP-020298	--	--	Submitted to TSG SA #16 for Information	1.0.0	
Sep 2002	S_17	SP-020462	--	--	Submitted to TSG SA #17 for Approval	2.0.0	5.0.0
Jun 2003	S_20	SP-030283	001	--	Deletion of UTRAN attribute relationType in XML Schema	5.0.0	5.1.0
Jun 2003	S_20	SP-030287	002	--	Correction of UTRAN NRM XML schema namespace URIs	5.0.0	5.1.0
Jun 2003	S_20	SP-030288	003	--	Generic NRM XML schema dependencies removal	5.0.0	5.1.0
Jun 2003	S_20	SP-030285	004	--	Remove UTRAN NRM XML schema duplicate MOC attribute XML declarations	5.0.0	5.1.0
Sep 2003	S_21	SP-030418	005	--	Inclusion of External BSS Function in GERAN XML Schema – impacts on 32.645 (UTRAN XML Schema) - Alignment with 32.652/655	5.1.0	5.2.0
Oct 2003	--	--	--	--	Attached to this TS the normative XML schema electronic files corresponding to Sept 2003 TS 32.645	5.2.0	5.2.1
Dec 2003	S_22	SP-030646	006	--	Correction of the number of possible URAs from 1 to 8	5.2.1	5.3.0
Mar 2004	S_23	SP-040131	007	--	Add the capability to contain instances of VsDataContainer to some MOs - Align with the IS 32.642	5.3.0	5.4.0

CHANGE REQUEST

⌘ **32.655 CR 007** ⌘ rev - ⌘ Current version: **5.4.0** ⌘

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

Title:	⌘ Removal of XML schema URI dependencies		
Source:	⌘ SA5 (Suzèle Lariven – lariven@nortelnetworks.com)		
Work item code:	⌘ OAM-NIM	Date:	⌘ 14/05/2004
Category:	⌘ F	Release:	⌘ Rel-5
	Use <u>one</u> of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		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)

Reason for change:	⌘ <ul style="list-style-type: none"> Avoid unnecessary multiplication of CRs and TS versions Remove TS version combination/line-up restrictions from the 3GPP standards: The choice of TS version combination/line-up is implementation specific. It is to be determined by each vendor/operator and not by the 3GPP specifications.
Summary of change:	⌘ Removal of TS versions from XML schema namespace URIs
Consequences if not approved:	⌘ <ul style="list-style-type: none"> TS version combination/line-up would be unnecessarily restricted. Modifications and corrections in an NRM IRP would generally imply a lot of unnecessary modifications of XML schemas of other NRM IRPs.

Clauses affected:	⌘ Annex A						
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> Other core specifications	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	⌘	
Y	N						
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> Test specifications	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	⌘	
Y	N						
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> O&M Specifications	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	⌘	
Y	N						
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
Other comments:	⌘ Related CRs on TS 32.615, 32.625, 32.635, 32.645 must be approved together with this CR.						

Annex A (normative): Configuration data file NRM-specific XML schema (file name "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-5/32\_series/32655-540.ziparchive/32\_series/32.655#geranNrm"
  elementFormDefault="qualified"
  xmlns="http://www.w3.org/2001/XMLSchema"
  xmlns:xn=
  "http://www.3gpp.org/ftp/specs/latest/rel-5/32\_series/32625-520.ziparchive/32\_series/32.625#genericNrm"
  xmlns:un=
  "http://www.3gpp.org/ftp/specs/latest/rel-5/32\_series/32645-540.ziparchive/32\_series/32.645#utranNrm"
  xmlns:gn=
  "http://www.3gpp.org/ftp/specs/latest/rel-5/32\_series/32655-540.ziparchive/32\_series/32.655#geranNrm"
  >

  <import
    namespace=
    "http://www.3gpp.org/ftp/specs/latest/rel-5/32\_series/32625-520.ziparchive/32\_series/32.625#genericNrm"
    />
  <import
    namespace=
    "http://www.3gpp.org/ftp/specs/latest/rel-5/32\_series/32645-540.ziparchive/32\_series/32.645#utranNrm"
    />

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

  <element
    name="BssFunction"
    substitutionGroup="xn:ManagedElementOptionallyContainedNrmClass"
  >
    <complexType>
      <complexContent>
        <extension base="xn:NrmClass">
          <sequence>
            <element name="attributes" minOccurs="0">
              <complexType>
                <all>
                  <element name="userLabel" minOccurs="0"/>
                </all>
              </complexType>
            </element>
          </sequence>
        </extension>
      </complexContent>
    </complexType>
  </element>

```

```

        </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:NrmClass">
                <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:NrmClass">
                <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>
                </sequence>
            </extension>
        </complexContent>
    </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:NrmClass">
                <sequence>
                    <element name="attributes" minOccurs="0">
                        <complexType>
                            <all>
                                <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"
    substitutionGroup="xn:SubNetworkOptionallyContainedNrmClass"
>
    <complexType>
        <complexContent>
            <extension base="xn:NrmClass">
                <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>
                    <choice minOccurs="0" maxOccurs="unbounded">
                        <element ref="xn:VsDataContainer"/>
                    </choice>
                </sequence>
            </extension>
        </complexContent>
    </complexType>
</element>

```

```

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

<element
    name="ExternalBssFunction"
    substitutionGroup="xn:SubNetworkOptionallyContainedNrmClass"
    >
    <complexType>
        <complexContent>
            <extension base="xn:NrmClass">
                <sequence>
                    <element name="attributes" minOccurs="0">
                        <complexType>
                            <all>
                                <element name="userLabel" minOccurs="0"/>
                            </all>
                        </complexType>
                    </element>
                </sequence>
            </extension>
        </complexContent>
    </complexType>
</element>

</schema>

```

End of Change in Clause Annex A End of Document
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Annex C (informative): Change history

Change history							
Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
Jun 2002	S_16	SP-020298	--	--	Submitted to TSG SA #16 for Information	1.0.0	
Sep 2002	S_17	SP-020463	--	--	Submitted to TSG SA #17 for Approval	2.0.0	5.0.0
Jun 2003	S_20	SP-030283	001	--	Deletion of GERAN attribute relationType in XML Schema.	5.0.0	5.1.0
Jun 2003	S_20	SP-030287	002	--	Correction of GERAN NRM XML schema namespace URIs	5.0.0	5.1.0
Jun 2003	S_20	SP-030288	003	--	Generic NRM XML schema dependencies removal	5.0.0	5.1.0
Sep 2003	S_21	SP-030418	004	--	Inclusion of External BSS Function in GERAN XML Schema - Alignment with 32.652	5.1.0	5.2.0
Oct 2003	--	--	--	--	Attached to this TS the normative XML schema electronic files corresponding to Sept 2003 TS 32.655	5.2.0	5.2.1
Dec 2003	S_22	SP-030646	011	--	Correction of the number of possible URAs from 1 to 8	5.2.1	5.3.0
Mar 2004	S_23	SP-040131	006	--	Add the capability to contain instances of VsDataContainer to some MOs - Align with the IS 32.652	5.3.0	5.4.0