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**Source:** SA5 (Telecom Management)  
**Title:** Rel-6 CR 32.655 GERAN network resources XML file format definition  
**Document for:** Approval  
**Agenda Item:** 7.5.3

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Doc1stLevel	Specific a	CR	R	Phase	Subject	Ca	VersCu	Doc2ndLev	Workitemsl D
SP-040811	32.655	011	--	Rel-6	Add operationalState to the BtsSiteMgr – Align with the IS in 32.652	F	6.0.0	S5-049045	OAM-NIM

## CHANGE REQUEST

⌘ **32.655 CR 011** ⌘ rev - ⌘ Current version: **6.0.0** ⌘

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

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

<b>Title:</b>	<span>⌘</span> Add operationalState to the BtsSiteMgr – Align with the IS in 32.652		
<b>Source:</b>	<span>⌘</span> SA5 (olaf.pollakowski@siemens.com)		
<b>Work item code:</b>	<span>⌘</span> OAM-NIM	<b>Date:</b>	<span>⌘</span> 19/11/2004
<b>Category:</b>	<span>⌘</span> <b>F</b>	<b>Release:</b>	<span>⌘</span> Rel-6
	Use <u>one</u> of the following categories: <b>F</b> (correction) <b>A</b> (corresponds to a correction in an earlier release) <b>B</b> (addition of feature), <b>C</b> (functional modification of feature) <b>D</b> (editorial modification) Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a> .		Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

**Reason for change:** ⌘ The attributes of BtsSiteMgr in the IS includes the operationalState. This attribute is not mapped in the XML File Format Definition.

**Summary of change:** ⌘ The IS attribute operationalState is mapped into the XML File Format Definition.

**Consequences if not approved:** ⌘ The XML File Format Definition of the Geran NRM IRP would not be consistent with the IS.

<b>Clauses affected:</b>	<span>⌘</span> Annex A, Annex B										
<b>Other specs affected:</b>	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="padding: 2px 5px;">Y</td> <td style="padding: 2px 5px;">N</td> </tr> <tr> <td style="padding: 2px 5px;"><input type="checkbox"/></td> <td style="padding: 2px 5px;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="padding: 2px 5px;"><input type="checkbox"/></td> <td style="padding: 2px 5px;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="padding: 2px 5px;"><input type="checkbox"/></td> <td style="padding: 2px 5px;"><input checked="" type="checkbox"/></td> </tr> </table>	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other core specifications	<span>⌘</span>
	Y	N									
	<input type="checkbox"/>	<input checked="" type="checkbox"/>									
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Test specifications									
<input type="checkbox"/>	<input checked="" type="checkbox"/>	O&M Specifications									
<b>Other comments:</b>	<span>⌘</span>										

## Change in Annex A

# 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/archive/32_series/32.655#geranNrm"
  elementFormDefault="qualified"
  xmlns="http://www.w3.org/2001/XMLSchema"
  xmlns:xn=
  "http://www.3gpp.org/ftp/specs/archive/32_series/32.625#genericNrm"
  xmlns:un=
  "http://www.3gpp.org/ftp/specs/archive/32_series/32.645#utranNrm"
  xmlns:gn=
  "http://www.3gpp.org/ftp/specs/archive/32_series/32.655#geranNrm"
  xmlns:sm=
  "http://www.3gpp.org/ftp/specs/archive/32\_series/32.675#stateManagementIRP"
>

  <import
    namespace=
    "http://www.3gpp.org/ftp/specs/archive/32_series/32.625#genericNrm"
    />
  <import
    namespace=
    "http://www.3gpp.org/ftp/specs/archive/32_series/32.645#utranNrm"
    />
  <import
    namespace=
    "http://www.3gpp.org/ftp/specs/archive/32\_series/32.675#stateManagementIRP"
    />

  <!-- 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>
</schema>
```

```

        </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"/>
                                <element
                                    name="operationalState"
                                    type="sm:operationalStateType"
                                    minOccurs="0"
                                />
                            </all>
                        </complexType>
                    </element>
                </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"/>
                            </all>
                        </complexType>
                    </element>
                </sequence>
            </extension>
        </complexContent>
    </complexType>
</element>

```

```

        <element name="hoppingSequenceNumber" minOccurs="0"/>
        <element name="plmnPermitted" minOccurs="0"/>
    </all>
</complexType>
</element>
<choice minOccurs="0" maxOccurs="unbounded">
    <element ref="gn:GsmRelation"/>
    <element ref="un:UtranRelation"/>
    <element ref="xn:VsDataContainer"/>
</choice>
</sequence>
</extension>
</complexContent>
</complexType>
</element>

<element name="GsmRelation">
    <complexType>
        <complexContent>
            <extension base="xn: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>
                </sequence>
            </extension>
        </complexContent>
    </complexType>
</element>

```

```
        </complexType>
      </element>
      <choice minOccurs="0" maxOccurs="unbounded">
        <element ref="xn:VsDataContainer"/>
      </choice>
    </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 Annex A**

**Change in Annex B**

## Annex B (informative): XML schema electronic files

The electronic files corresponding to the normative XML schemas defined in the present document are available in native form in the following archive:

[http://www.3gpp.org/ftp/specs/archive/32\\_series/32.655/schema/32655-6100-XMLSchema.zip](http://www.3gpp.org/ftp/specs/archive/32_series/32.655/schema/32655-6100-XMLSchema.zip)

**End of Change in Annex B**