Technical Specification Group Services and System Aspects
Meeting #14, Kyoto, Japan, 17-20 December 2001

TSGS#14(01)0651

Source: **SA5 (Telecom Management)**

Title: **Rel-4 CR 32.653 (S5-010671)**

Document for: **Decision**

Agenda Item: **7.5.3**

Doc-1st-	Spec	CR	R	Phas	Subject	C	Versi	Versi	Doc-2nd-	Workitem
SP-010651	32.653	002		Rel-4	**Addition of MCC and MNC in the object model**	F	4.0.0	4.1.0	S5-010671	OAM-CM

3GPP TSG-SA5 (Telecom Management) **S5-010671**
Meeting #23, Sundsvall, Sweden 15 – 19 October 2001 **S5C010431rev1**

CR-Form-v4

CHANGE REQUEST

⌘ **32.653** **CR** **001** ⌘ ev **-** ⌘ Current version: **4.0.0** ⌘

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

Proposed change affects: ⌘ (U)SIM ☐ ME/UE ☐ Radio Access Network ☒ Core Network ☐

Title: ⌘	Addition of MCC and MNC in the object model	
Source: ⌘	SA5	
Work item code: ⌘	OAM-CM	***Date:*** ⌘ 19/10/2001
Category: ⌘	**F**	***Release:*** ⌘ REL-4

Use one 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 one 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)*

Reason for change: ⌘	The attributes mcc and mnc are required to identify a GSM cell.
Summary of change: ⌘	The attributes mcc and mnc are added to the MOCs GsmCell and ExternalGsmCell.
Consequences if not approved: ⌘	The specification is not consistent with the IS (32.652).

Clauses affected: ⌘	5.2.3, 5.2.5 and Annex A		
Other specs affected: ⌘	☐ Other core specifications ☐ Test specifications ☐ O&M Specifications	⌘	
Other comments: ⌘			

5.2.3 MOC GsmCell

Table 4: Mapping from NRM MOC GsmCell attributes to SS equivalent MOC GsmCell attributes

NRM Attributes of MOC GsmCell in 3GPP TS 32.652 [4]	SS Attributes	SS Type	Qualifier
gsmCellId	gsmCellId	string	Read-Only, M
userLabel	userLabel	string	Read-Write, M
cellIdentity	cellIdentity	integer	Read-Write, M
cellAllocation	cellAllocation	GenericNRIRPSystem::AttributesTypes::IntegerSet	Read-Write, M
ncc	ncc	integer	Read-Write, M
bcc	bcc	integer	Read-Write, M
lac	lac	integer	Read-Write, M
mcc	mcc	integer	Read-Write, M
mnc	mnc	integer	Read-Write, M
rac	rac	integer	Read-Write, O
racc	racc	integer	Read-Write, O
tsc	tsc	integer	Read-Write, M
rxLevAccessMin	rxLevAccessMin	integer	Read-Write, M
msTxPwrMaxCCH	msTxPwrMaxCCH	integer	Read-Write, M
hoppingSequenceNumber	hoppingSequenceNumber	integer	Read-Write, M
plmnPermitted	plmnPermitted	integer	Read-Write, M

5.2.5 MOC ExternalGsmCell

Table 6: Mapping from NRM MOC ExternalGsmCell attributes to SS equivalent MOC ExternalGsmCell attributes

NRM Attributes of MOC ExternalGsmCell in 3GPP TS 32.652 [4]	SS Attributes	SS Type	Qualifier
externalGsmCellId	externalGsmCellId	string	Read-Only, M
userLabel	userLabel	string	Read-Write, M
cellIdentity	cellIdentity	integer	Read-Write, M
bcchFrequency	bcchFrequency	integer	Read-Write, M
ncc	ncc	integer	Read-Write, M
bcc	bcc	integer	Read-Write, M
lac	lac	integer	Read-Write, M
mcc	mcc	integer	Read-Write, M
mnc	mnc	integer	Read-Write, M
rac	rac	integer	Read-Write, O
racc	racc	integer	Read-Write, O

Annex A (normative): CORBA IDL, NRM Definitions

```
#ifndef GeranNetworkResourcesNRMDefs_idl
#define GeranNetworkResourcesNRMDefs_idl

#pragma prefix "3gppsa5.org"

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


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

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


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

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


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

         // Attribute Names
         //
         const string gsmCellId = "gsmCellId";
         const string userLabel = "userLabel";
         const string cellIdentity = "cellIdentity";
         const string cellAllocation = "cellAllocation";
         const string ncc = "ncc";
         const string bcc = "bcc";
         const string lac = "lac";
```

```
         const string mcc = "mcc";
         const string mnc = "mnc";
         const string rac = "rac";
         const string racc = "racc";
         const string tsc = "tsc";
         const string rxLevAccessMin = "rxLevAccessMin";
         const string msTxPwrMaxCCH = "msTxPwrMaxCCH";
         const string hoppingSequenceNumber = "hoppingSequenceNumber";
         const string plmnPermitted = "plmnPermitted";

};


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

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

};


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

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

};


};

#endif
```