Technical Specification Group Services and System Aspects
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Source: **SA5 (Telecom Management)**

Title: **Rel-4 CR 32.652 (S5-010652)**

Document for: **Decision**

Agenda Item: **7.5.3**

Doc-1st-	Spec	CR	R	Phas	Subject	C	Versi	Versi	Doc-2nd-	Workitem
SP-010650	32.652	002		Rel-4	**Correction of references**	F	4.1.0	4.2.0	S5-010652	OAM-CM

CR-Form-v4

CHANGE REQUEST

⌘ **32.652** **CR** **002** ⌘ ev **-** ⌘ Current version: **4.1.0** ⌘

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

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

Title: ⌘	Correction of references	
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: ⌘	Not valid references for some attributes.
Summary of change: ⌘	References to specifications that are discontinued in REL-4 are replaced with references to relevant REL-4 specifications.
Consequences if not approved: ⌘	The specification refers to specifications that are not valid in REL-4.

Clauses affected: ⌘	2, 6.3.3, 6.3.4 and 6.3.5.		
Other specs affected: ⌘	☐ Other core specifications ☐ Test specifications ☐ O&M Specifications	⌘	
Other comments: ⌘			

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

[1] 3GPP TS 32.101: "3G Telecom Management principles and high level requirements".

[2] 3GPP TS 32.102: "3G Telecom Management architecture".

[3] 3GPP TS 24.008: "Core Network Protocols – Stage 3".~~Void~~

[4] 3GPP TS 44.018: "Radio Resource Control Protocol".~~Void~~

[5] 3GPP TS 45.008: "Radio subsystem link control".~~Void~~

[6] 3GPP TS 45.002: "Multiplexing and multiple access on the radio path"~~Void~~

[7] ITU-T Recommendation X.710 (1991): "Common Management Information Service Definition for CCITT Applications".

[8] 3GPP TS 23.003: "Numbering, addressing and identification".~~Void~~

[9] Void

[10] Void

[11] 3GPP TS 32.111-2: "Telecommunication Management; Fault Management; Part 2: Alarm Integration Reference Point; Information Service Version 1".

[12] Void

[13] 3GPP TS 32.300: "Name Convention for Managed Objects".

[14] 3GPP TS 32.600: "3G Configuration Management: Concepts and requirements".

[15] Void.

[16] 3GPP TS 32.622: "Generic Network Resources IRP: NRM".

[17] 3GPP TS 32.602: "Basic CM IRP: Information Service".

[18] 3GPP TS 32.612: "Bulk CM IRP: Information Service".

6.3.3 MOC GsmCell

This managed object class represents the GSM radio cell. The applicability of instantiation of this class is depending on the ME type. It may only be instantiated under ME of type BSC.

Table 6: Attributes of GsmCell

Name	Qualifier	Description
gsmCellId	READ-ONLY, M	An attribute whose 'name+value' can be used as an RDN when naming an instance of this object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.
userLabel	READ-WRITE, M	A user friendly (and user assigned) name of the associated object.
cellIdentity	READ-WRITE,M	Cell Identity (Ref 3GPP TS 24.008 [3]~~GSM 03.03~~).
cellAllocation	READ-WRITE,M	This attribute defines the set of radio frequencies allocated and available to a cell, the first element sets the BCCH frequency, Ref 3GPP TS 44.018 [4]~~GSM 12.20~~.
ncc	READ-WRITE,M	Network Colour Code, NCC (part of BSIC). Ref 3GPP TS 44.018 [4]~~GSM 04.08~~.
bcc	READ-WRITE,M	Base station colour code, BCC (part of BSIC). Ref 3GPP TS 44.018 [4]~~GSM 04.08~~.
lac	READ-WRITE,M	Location Area Code, LAC . Ref 3GPP TS 24.008 [3]~~GSM 04.08~~).
mcc	READ-WRITE,M	Mobile Country Code (Ref 3GPP TS 23.003 [8]~~GSM 04.08~~)
mnc	READ-WRITE,M	Mobile Network Code (Ref 3GPP TS 23.003 [8]~~GSM 04.08~~)
rac	READ-WRITE,O	Routing Area Code, RAC. Ref 3GPP TS 44.018 [4]. See Note for the optional condition.
racc	READ-WRITE,O	Routing Area Colour Code, RACC. Ref 3GPP TS 44.018 [4]. See Note for the optional condition.
tsc	READ-WRITE,M	Training Sequence Code, an attribute of the class channel in Ref 3GPP TS 44.018 [4]~~GSM 12.20~~
rxLevAccessMin	READ-WRITE,M	Minimum Access Level~~, rxLevAccessMin is an attribute of the class bts in GSM 12.20~~. Attribute description Ref 3GPP TS 45.008 [5] ~~reference GSM 05.08~~ (RXLEV_ACCESS_MIN)
msTxPwrMaxCCH	READ-WRITE,M	Maximum Transmission Power for a Mobile Station on a CCH~~, mSTxPwrMaxCCH is an attribute of the class bts in GSM 12.20~~. Attribute description Ref 3GPP TS 45.008 [5] ~~reference GSM 05.08~~ (MS_TXPWR_MAX_CCH)
hoppingSequenceNumber	READ-WRITE,M	HoppingSequenceNumber~~ is an attribute of the class frequencyHoppingSystem (GSM 12.20)~~. Attribute description reference 3GPP TS 45.002 [6] ~~GSM 05.02~~(HSN)
plmnPermitted	READ-WRITE,M	Network Colour Code Permitted~~, plmnPermitted which is an attribute of the class bts in GSM 12.20~~. Attribute description reference 3GPP TS 45.008 [5] ~~GSM 05.08~~ (NCC_PERMITTED)

Note: This attribute shall be included if the cell is a GPRS cell.

Table 7: Notifications of GsmCell

Name	Qualifier	Notes
notifyAckStateChanged	See Alarm IRP (3GPP TS 32.111-2 [11])	
notifyAttributeValueChange	O	
notifyChangedAlarm	See Alarm IRP (3GPP TS 32.111-2 [11])	
notifyClearedAlarm	See Alarm IRP (3GPP TS 32.111-2 [11])	
notifyNewAlarm	See Alarm IRP (3GPP TS 32.111-2 [11])	
notifyObjectCreation	O	
notifyObjectDeletion	O	

6.3.4 MOC GsmRelation

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

Table 8: Attributes of `GsmRelation`

Name	Qualifier	Description
gsmRelationId	READ-ONLY, M	An attribute whose 'name+value' can be used as an RDN when naming an instance of this object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.
relationType	READ-WRITE, M	Type of relation: e.g. Intersystem relation, intra system relation.
adjacentCell	READ-WRITE, M	Pointer to GSM cell or external GSM cell. Distinguished Name of the corresponding object..
bcchFrequency	READ-ONLY, O	This attribute contains the absolute radio frequency channel number of the BCCH channel of the external GSM cell, that is broadcasted in System Information in the UtranCell. See Note for the optional condition.
ncc	READ-ONLY, O	Network Colour Code, NCC (part of BSIC. Ref 3GPP TS 44.018 [4]~~GSM 04.08~~) for the external GSM cell, that is broadcasted in System Information in the UtranCell. See Note for the optional condition.
bcc	READ-ONLY, O	Base station colour code, BCC (part of BSIC. Ref 3GPP TS 44.018 [4]~~GSM 04.08~~) for the external GSM cell, that is broadcasted in System Information in the UtranCell. See Note for the optional condition.
lac	READ-ONLY, O	Location Area Code, LAC (Ref 3GPP TS 24.008 [3]~~GSM 04.08~~) for the external GSM cell, that is broadcasted in System Information in the UtranCell. See Note for the optional condition.

Note: This attribute shall be included if the EM does not garantuee consistency between the cell definition and what is broadcasted on system information.

Table 9: Notifications of `GsmRelation`

Name	Qualifier	Notes
notifyAttributeValueChange	O	
notifyObjectCreation	O	
notifyObjectDeletion	O	

6.3.5 MOC `ExternalGsmCell`

This Managed Object Class represents a radio cell controlled by another IRPAgent. This MOC has necesssary attributes for inter-system handover. It contains a subset of the attributes of related MOCs controlled by another IRPAgent. To maintain the consistency between the attribute values of these two MOCs is outside the scope of this document.

Table 10: Attributes of `ExternalGsmCell`

Name	Qualifier	Description
externalGsmCellId	READ-ONLY, M	An attribute whose 'name+value' can be used as an RDN when naming an instance of this object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.
userLabel	READ-WRITE, M	A user friendly (and user assigned) name of the associated object.
cellIdentity	READ-WRITE, M	Cell identity, (3GPP TS 24.008 [3]~~Ref GSM 03.03~~)
bcchFrequency	READ-WRITE, M	This attribute contains the absolute radio frequency channel number of the BCCH channel of the GSM cell.
ncc	READ-WRITE, M	Network Colour Code, NCC (part of BSIC. Ref 3GPP TS 44.018 [4]~~GSM 04.08~~).
bcc	READ-WRITE, M	Base station colour code, BCC (part of BSIC. Ref 3GPP TS 44.018 [4]~~GSM 04.08~~).
lac	READ-WRITE, M	Location Area Code, LAC (Ref 3GPP TS 24.008 [3]~~GSM 04.08~~).
rac	READ-WRITE, O	Routing Area Code, RAC. Ref 3GPP TS 44.018 [4]. See Note for the optional condition.
racc	READ-WRITE, O	Routing Area Colour Code, RACC. Ref 3GPP TS 44.018 [4]. See Note for the optional condition.

Note: This attribute shall be included if the cell is a GPRS cell.

Table11: Notifications of `ExternalGsmCell`

Name	Qualifier	Notes
notifyAttributeValueChange	O	
notifyObjectCreation	O	
notifyObjectDeletion	O	