
Source: SA5 (Telecom Management)
Title: 2 Rel-6 CR 32.642/52 Add support for the state change notification in UTRAN/GERAN network resources IRP NRM
Document for: Approval
Agenda Item: 7.5.3

Doc-1 st - Level	Doc-2 nd - Level	Spec	CR	Rev	Phase	Subject	Cat	Ver- Cur	Wi
SP-040584	S5-048557	32.642	022	--	Rel-6	Add support for the state change notification in UTRAN network resources IRP NRM	B	6.1.0	OAM- NIM
SP-040584	S5-048558	32.652	018	--	Rel-6	Add support for the state change notification in GERAN network resources IRP NRM	B	5.3.0	OAM- NIM

3GPP TSG-SA5 (Telecom Management) Meeting #38bis, Sophia Antipolis, FRANCE, 28 June ñ 02 July 2004

S5-048557

CR-Form-v7

CHANGE REQUEST

32.642 CR 022 rev - Current version: 6.1.0

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

Title: Add support for the state change notification in UTRAN network resources IRP NRM

Source: SA5 (olaf.pollakowski@siemens.com)

Work item code: OAM-NIM Date: 02/07/2004

Category: B Release: Rel-6
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)
Rel-6 (Release 6)

Reason for change: The Kernel CM IRP supports the state change notification. Support for this notification has to be added to the IOCs supporting a state attribute.

Summary of change: Support for the notifyStateChange notification is added to the IOC UtranCell

Consequences if not approved: State changes cannot be reported via the notifyStateChangeNotification.

Clauses affected: 6.3.3

Other specs affected:
Y N
X Other core specifications
X Test specifications
X O&M Specifications

Other comments: Related GERAN CR 32.652 in S5-048558

Change in Clause 6.3.3

6.3.3 UtranCell

6.3.3.1 Definition

This IOC represents a radio cell controlled by the RNC. For more information about radio cells, see 3GPP TS 23.002 [15].

The cell may be an FDD mode cell, a 1.28 Mcps TDD mode cell or a 3.84 Mcps TDD mode cell.

6.3.3.2 Attributes

Table 6.5: Attributes of UtranCell

Attribute name	Visibility	Support Qualifier	Read Qualifier	Write Qualifier
utranCellId	+	M	M	-
userLabel	+	M	M	M
cld	+	M	M	M
localCellId	+	M	M	M
uarfcnUI	+	O	M	M
uarfcnDI	+	O	M	M
primaryScramblingCode	+	O	M	M
primaryCpichPower	+	O	M	M
maximumTransmissionPower	+	M	M	M
primarySchPower	+	O	M	M
secondarySchPower	+	O	M	M
bchPower	+	O	M	M
cellMode	+	M	M	-
uarfcn	+	O	M	M
cellParameterId	+	O	M	M
primaryCcpchPower	+	O	M	M
dwPchPower	+	O	M	M
timeSlotList	+	O	M	M
schPower	+	O	M	M
lac	+	M	M	M
rac	+	M	M	M
rac	+	M	M	M
uraList	+	M	M	M
utranCell-lubLink	+	M	M	-

Table 6.6: Additional attributes of UtranCell for the support of the State Management IRP

Attribute Name	Support Qualifier	READ	WRITE
operationalState	O	M	-

NOTE: No state propagation shall be implied.

Table 6.7: Notifications of UtranCell

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	
notifyStateChange	O	
notifyComments	See Alarm IRP (3GPP TS 32.111-2 [11])	
notifyAlarmListRebuilt	See Alarm IRP (3GPP TS 32.111-2 [11])	
notifyPotentialFaultyAlarmList	See Alarm IRP (3GPP TS 32.111-2 [11])	

6.3.3.3 Attribute constraints

The following optional attributes shall be supported for corresponding modes as described below:

- for FDD mode only: uarfcnUI, uarfcnDL, primaryScramblingCode, primaryCpichPower, primarySchPower, secondSchPower, bchPower;
- for 1.28 Mcps TDD mode only: uarfcn, cellParameterId, primaryCcpchPower, timeSlotList, dwPchPower;
- for 3.84 Mcps TDD mode only: uarfcn, cellParameterId, primaryCcpchPower, timeSlotList, schPower.

End of Change in Clause 6.3.3

Annex B (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
Jun 2002	S_16	SP-020303	001	--	Corrections of reference in figure 6.2 and of attribute descriptions in UtranRelation in 32.642 (UTRAN network resources IRP: NRM)	4.0.0	4.1.0
Jun 2002	S_16	SP-020304	002	--	Correction of supported IRP in system context	4.0.0	4.1.0
Sep 2002	S_17	SP-020490	003	--	UML corrections	4.1.0	4.2.0
Sep 2002	S_17	SP-020492	004	--	Add the new IRP IS methodology defined in 32.102	4.2.0	5.0.0
Sep 2002	S_17	SP-020492	005	--	Add State Management	4.2.0	5.0.0
Dec 2002	S_18	SP-020748	006	--	Inclusion of valid values and ranges for UTRAN Cell parameters	5.0.0	5.1.0
Jan 2003	--	--	--	--	Accepted all revision marks	5.1.0	5.1.1
Jun 2003	S_20	SP-030282	008	--	Include notification tables	5.1.1	5.2.0
Jun 2003	S_20	SP-030282	010	--	Correction of UML diagram vsDataContainer Containment/Naming and Association in UTRAN NRM	5.1.1	5.2.0
Jun 2003	S_20	SP-030283	012	--	Deletion of UTRAN attribute relationType	5.1.1	5.2.0
Dec 2003	S_22	SP-030715	014	--	Correction in attribute description for imaximumTransmissionPoweri to remove dual interpretation - Align with RAN3's 25.433	5.2.0	5.3.0
Dec 2003	S_22	SP-030646	016	--	Correction of the number of possible URAs from 1 to 8	5.2.0	5.3.0
Dec 2003	S_22	SP-030641	017	--	Add missing notification notifyPotentialFaultyAlarmlist	5.2.0	5.3.0
Dec 2003	S_22	SP-030643	018	--	Remove redundant VsDataContainer Containment UML - Now covered by 32.622	5.2.0	5.3.0
Mar 2004	S_23	SP-040129	019	--	Addition of new attributes for support of both FDD and TDD modes	5.3.0	6.0.0
Jun 2004	S_24	SP-040254	021	--	Correction of the supported UMTS frequencies	6.0.0	6.1.0

CHANGE REQUEST

⌘ **32.652 CR 018** ⌘ rev - ⌘ Current version: **5.3.0** ⌘

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

Title:	⌘ Add support for the state change notification in GERAN network resources IRP NRM		
Source:	⌘ SA5 (olaf.pollakowski@siemens.com)		
Work item code:	⌘ OAM-NIM	Date:	⌘ 02/07/2004
Category:	⌘ B	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:	⌘ The Kernel CM IRP supports the state change notification. Support for this notification has to be added to the IOCs supporting a state attribute.
Summary of change:	⌘ Support for the notifyStateChange notification is added to the IOC BtsSiteMgr
Consequences if not approved:	⌘ State changes cannot be reported via the notifyStateChangeNotification.

Clauses affected:	⌘ 6.3.3										
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> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table>	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other core specifications Test specifications O&M Specifications	⌘
Y	N										
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<input type="checkbox"/>	<input checked="" type="checkbox"/>										
Other comments:	⌘ Related UTRAN CR 32.642 in S5-048557										

Change in Clause 6.3.2

6.3.2 BtsSiteMgr

6.3.2.1 Definition

The "BtsSiteMgr" IOC contains site specific information for a BTS site.

6.3.2.2 Attributes

Table 6.3a: Attributes of BtsSiteMgr

Attribute name	Visibility	Support Qualifier	Read Qualifier	Write Qualifier
btsSiteMgrId	+	M	M	-
userLabel	+	M	M	M
latitude	+	O	M	M
longitude	+	O	M	M

Table 6.3b: Additional attributes of BtsSiteMgr for the support of the State Management IRP

Attribute Name	Support Qualifier	READ	WRITE
operationalState	O	M	ó

NOTE: No state propagation shall be implied.

Table 6.4: Notifications of BtsSiteMgr

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	
notifyStateChange	O	
notifyComments	See Alarm IRP (3GPP TS 32.111-2 [11])	
notifyAlarmListRebuilt	See Alarm IRP (3GPP TS 32.111-2 [11])	
notifyPotentialFaultyAlarmList	See Alarm IRP (3GPP TS 32.111-2 [11])	

End of Change in Clause 6.3.2

Annex A (informative): Change history

Change history							
Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
Dec 2003	S_22	SP-030641	016	--	Add missing notification notifyPotentialFaultyAlarmlist	5.2.0	5.3.0
Dec 2003	S_22	SP-030643	017	--	VsDataContainer Containment UML - Now covered by 32.622	5.2.0	5.3.0