Source: **SA5 (Telecom Management)**

Title: **2 Rel-4/5 CR 32.642 (Configuration Management; UTRAN network resources IRP NRM) : Correction in attribute description for "maximumTransmissionPower" to remove dual interpretation - Align with RAN3's 25.433**

Document for: **Decision**

Agenda Item: **7.5.3**

Doc-1st-	Spec	CR	Phase	Subject	Cat	Ver	Doc-2nd-	Status-	WI
SP-030715	32.642	013	Rel-4	Correction in attribute description for "maximumTransmissionPower" to remove dual interpretation – Align with RAN3's TS 25.433	F	4.3.0	S5-038684	Agreed	OAM-CM
SP-030715	32.642	014	Rel-5	Correction in attribute description for "maximumTransmissionPower" to remove dual interpretation - Align with RAN3's 25.433	A	5.2.0	S5-038685	Agreed	OAM-CM

CR-Form-v7

CHANGE REQUEST

⌘ 32.642 CR 013 ⌘rev - ⌘ Current version: 4.3.0 ⌘

*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 [X] Core Network [ ]

Title:	⌘	Correction in attribute description for "maximumTransmissionPower" to remove dual interpretation – Align with RAN3's TS 25.433
Source:	⌘	**SA5** (mohanr@lucent.com)
Work item code:	⌘	OAM-CM
Date:	⌘	10/10/2003
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)
Rel-6 (Release 6)

Reason for change:	⌘	The current description makes a reference to two potential attributes in RAN3's TS 25.433 [i.e. 9.2.1.21 or 9.2.1.40]. This change seeks to remove this ambiguity and make it precise.
Summary of change:	⌘	In Table 6.18, for attribute maximumTransmissionPower , remove the words "DL Power" and replace them with the definition of Maximum Transmission Power.
Consequences if not approved:	⌘	Incorrect reference to information elements in TS 25.433.

Clauses affected:	⌘	6.3.3

Y	N			
	X	Other core specifications	⌘	S5-038685
	X	Test specifications		
X		O&M Specifications		

Other specs affected: ⌘

Other comments: ⌘ Mirror CR: S5-038685

How to create CRs using this form:

Change in Clause 6.3.3

6.3.3 MOC UtranCell

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

It inherits from ManagedFunction.

Table 6.5: Attributes of UtranCell

Name	Qualifier	Description
utranCellId	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. Inherited from ManagedFunction.
cId	READ-WRITE,M	Cid is the identifier of a cell in one RNC (Ref. 3GPP TS 25.401 [4]).
localCellId	READ-WRITE,M	Local Cell id is used to uniquely identify the set of resources defined in a Node B to support a cell (as defined by a Cid Ref. 3GPP TS 25.401 [4]). It must be unique in Node B at a minimum, but may be unique in UTRAN. It can be used to tie the cell in the RNC to a specific set of resources in the Node B.
uarfcnUl	READ-WRITE, M	The UL UTRA absolute Radio Frequency Channel number, UARFCN (Ref. 3GPP TS 25.433 [5]).
uarfcnDl	READ-WRITE, M	The DL UTRA absolute Radio Frequency Channel number, UARFCN (Ref. 3GPP TS 25.433 [5]).
primaryScramblingCode	READ-WRITE, M	The primary DL scrambling code used by the cell (Ref. 3GPP TS 25.433 [5]).
primaryCpichPower	READ-WRITE, M	The power of the primary CPICH channel in the cell (Ref. 3GPP TS 25.433 [5]).
maximumTransmissionPower	READ-WRITE, M	The maximum transmission power of a cell~~, DL Power~~. It is the maximum power for all downlink channels added together, that is allowed to be used simultaneously in a cell. (Ref. 3GPP TS 25.433 [5]).
primarySchPower	READ-WRITE, M	The power of the primary synchronisation channel in the cell, DL Power (Ref. 3GPP TS 25.433 [5]).
secondarySchPower	READ-WRITE, M	The power of the secondary synchronisation channel in the cell, DL Power (Ref. 3GPP TS 25.433 [5]).
bchPower	READ-WRITE, M	The power of the broadcast channel in the cell (Ref. 3GPP TS 25.433 [5]).
lac	READ-WRITE, M	Location Area Code, LAC (Ref. 3GPP TS 23.003 [3])
rac	READ-WRITE, M	Routing Area Code, RAC (Ref. 3GPP TS 23.003 [3])
sac	READ-WRITE, M	Service Area Code, SAC (Ref. 3GPP TS 23.003 [3]).
ura	READ-WRITE, M	UTRAN Registration Area, URA (Ref. 3GPP TS 25.423 [6]).
utranCell-IubLink	READ-ONLY, M	The value of this attribute shall be the DN of the related IubLink instance. This is a reference attribute modelling the role (of the association AssociatedWith) that this UtranCell is associated with 0-1 IubLink.

Table 6.6: 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	
notifyComments	See Alarm IRP (3GPP TS 32.111-2 [11])	
notifyAlarmListRebuilt	See Alarm IRP (3GPP TS 32.111-2 [11])	

End of Change in Clause 6.3.3
End of Document

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
Jun 2003	S_20	SP-030282	007	--	Add missing notifications from all managed objects (notifyComments, notifyAlarmListRebuilt)	4.2.0	4.3.0
Jun 2003	S_20	SP-030282	009	--	Correction of UML diagram vsDataContainer Containment/Naming and Association in UTRAN NRM	4.2.0	4.3.0
Jun 2003	S_20	SP-030283	011	-	Deletion of UTRAN attribute relationType	4.2.0	4.3.0

CR-Form-v7

CHANGE REQUEST

⌘ 32.642 CR 014 ⌘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 [X] Core Network [ ]

Title:	⌘	Correction in attribute description for "maximumTransmissionPower" to remove dual interpretation - Align with RAN3's 25.433
Source:	⌘	**SA5** (mohanr@lucent.com)
Work item code:	⌘	OAM-CM
Date:	⌘	10/10/2003
Category:	⌘	**A**
Release:	⌘	Rel-5

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 current description makes a reference to two potential attributes in RAN3's TS 25.433 [i.e. 9.2.1.21 or 9.2.1.40]. This change seeks to remove this ambiguity and make it precise.
Summary of change:	⌘	In Table 6.18, for attribute maximumTransmissionPower , remove the words "DL Power" and replace them with the definition of Maximum Transmission Power.
Consequences if not approved:	⌘	Incorrect reference to information elements in TS 25.433.

Clauses affected:	⌘	6.5.1

Other specs affected: ⌘

Y	N	
	X	Other core specifications
	X	Test specifications
	X	O&M Specifications

⌘

Other comments: ⌘ Rel-5 Mirror CR of Rel-4 CR in S5-038684

How to create CRs using this form:

Change in Clause 6.5.1

6.5.1 Definition and legal values

The table below defines the attributes that are present in several Information Object Classes (IOCs) of this TS.

Table 6.18: Attributes

Attribute Name	Definition	Legal Values
adjacentCell	It carries the DN of the UtranCelll or the ExternalUtranCell.	
bchPower	The power of the broadcast channel in the cell (Ref. 3GPP TS 25.433 [5]).	Type: Numeric value Range: (-35..+15 dB) Steps of 0.1dB
cId	The attribute is the identifier of a cell in one RNC (Ref. 3GPP TS 25.401 [4]), 3GPP TS 25.433 [5]).	Type: Integral numeric value Range: (0…65535)
externalUtranCellId	An attribute whose "name+value" can be used as an RDN when naming an instance of the object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	
iubLinkId	An attribute whose "name+value" can be used as an RDN when naming an instance of the object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	
lac	IOCs **UtranCell** and **ExternalUtranCell**: Location Area Code, LAC (Ref. 3GPP TS 23.003 [3]). IOC **UtranRelation**: Location Area Code, LAC (Ref. 3GPP TS 23.003 [3]), for another UTRAN cell or the external UTRAN Cell that is broadcast in the system information in the Cell.	Type: Integral numeric value Range: (1.. 65533, 65535)
localCellId	Local Cell id is used to uniquely identify the set of resources defined in a Node B to support a cell (as defined by a Cid Ref. 3GPP TS 25.401 [4]), 3GPP TS 25.433 [5]). It must be unique in Node B at a minimum, but may be unique in UTRAN. It can be used to tie the cell in the RNC to a specific set of resources in the Node B.	Type: Integral numeric value Range: (0…268435455)
maximumTransmissionPower	The maximum transmission power of a cell~~, DL Power~~. It is the maximum power for all downlink channels added together, that is allowed to be used simultaneously in a cell. (Ref. 3GPP TS 25.433 [5]).	Type: Numeric value Range: (0,..50 dBm) Steps of 0.1 dB
mcc	Mobile Country Code, MCC (part of the PLMN Id, Ref. 3GPP TS 23.003 [3]).	
mnc	Mobile Network Code, MNC (part of the PLMN Id, Ref. 3GPP TS 23.003 [3]).	
nodeBFunctionId	An attribute whose "name+value" can be used as an RDN when naming an instance of the object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	
primaryCpichPower	IOCs **UtranCell** and **ExternalUtranCell**: The power of the primary CPICH channel in the cell (Ref. 3GPP TS 25.433 [5]). IOC **UtranRelation**: The power of the primary CPICH channel in the cell (Ref. 3GPP TS 25.433 [5]), for another UTRAN cell or the external UTRAN Cell that is broadcast in the system information in the Cell.	Type: Numeric value Range: (-10,..,50 dBm) Steps of 0.1 dB
primarySchPower	The power of the primary synchronisation channel in the cell, DL Power (Ref. 3GPP TS 25.433 [5]).	Type: Numeric value Range: (-35..+15 dB) Steps of 0.1dB
primaryScramblingCode	IOCs **UtranCell** and **ExternalUtranCell**: The primary DL scrambling code used by the cell (Ref. 3GPP TS 25.433 [5]). IOC **UtranRelation**: The primary DL scrambling code used by the cell (Ref. 3GPP TS 25.433 [5]), for another UTRAN cell or the external UTRAN Cell that is broadcast in the system information in the Cell.	Type: Integral numeric value Range: (0 – 511)

Attribute Name	Definition	Legal Values
rac	Routing Area Code, RAC (Ref. 3GPP TS 23.003 [3]).	Type: Integral numeric value Range: (0..255)
rncFunctionId	An attribute whose "name+value" can be used as an RDN when naming an instance of the object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	
rncId	IOC **ExternalUtranCell**: Unique RNC ID for the associated RNC (Ref. 3GPP TS 23.003 [3]). IOC **RncFunction**: Unique RNC ID (Ref. 3GPP TS 23.003 [3]).	
sac	Service Area Code, SAC (Ref. 3GPP TS 23.003 [3]).	Type: Integral numeric value Range: (0.. 65535)
secondarySchPower	The power of the secondary synchronisation channel in the cell, DL Power (Ref. 3GPP TS 25.433 [5]).	Type: Numeric value Range: (-35..+15 dB) Steps of 0.1dB
uarfcnDl	IOCs **UtranCell** and **ExternalUtranCell**: The DL UTRA absolute Radio Frequency Channel number, UARFCN (Ref. 3GPP TS 25.433 [5]). IOC **UtranRelation**: The DL UTRA absolute Radio Frequency Channel number, UARFCN (Ref. 3GPP TS 25.433 [5]), for another UTRAN cell or the external UTRAN Cell that is broadcast in the system information in the Cell.	The channel number should correspond to a frequency in the downlink band, range 2110 MHz – 2170 MHz, or 1930 MHz – 1990 MHz for ITU Region 2. (Ref. 3GPP TS 25.101). Type: Integral numeric value Range: (10562 - 10838) or (9662 - 9938)
uarfcnUl	IOCs **UtranCell** and **ExternalUtranCell**: The UL UTRA absolute Radio Frequency Channel number, UARFCN (Ref. 3GPP TS 25.433 [5]). IOC **UtranRelation**: The UL UTRA absolute Radio Frequency Channel number, UARFCN (Ref. 3GPP TS 25.433 [5]) for another UTRAN cell or the external UTRAN Cell, that is broadcast in the system information in the Cell.	The channel number should correspond to a frequency in the uplink band, range 1920 MHz – 1980 MHz, or 1850 MHz - 1910 MHz for ITU Region 2. (Ref. 3GPP TS 25.101) Type: Integral numeric value Range: (9612 - 9888) or (9262 – 9538)
ura	UTRAN Registration Area, URA (Ref. 3GPP TS 25.423 [6]).	Type: Integral numeric value Range: (0..65535)
userLabel	A user-friendly (and user assigned) name of the associated object. Inherited from ManagedFunction.	
utranCellId	An attribute whose "name+value" can be used as an RDN when naming an instance of the object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	
utranRelationId	An attribute whose "name+value" can be used as an RDN when naming an instance of the object class. This RDN uniquely identifies the object instance within the scope of its containing (parent) object instance.	

End of Change in Clause 6.5.1
End of Document

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