TSG RAN Meeting #22 **RP-030686**
Maui, USA, 9 - 12 December 2003

Title **CRs (Rel-5 only) to TS 25.413 and TS 25.423 on RT Load Value Clarification**
Source **TSG RAN WG3**
Agenda Item **7.4.6**

RAN3 Tdoc	Spec	curr. Vers.	new Vers.	REL	CR	Rev	Cat	Title	Work item
R3-031802	25.413	5.6.0	5.7.0	REL-5	614	1	F	RT Load Value Clarification	TEI5
R3-031803	25.423	5.7.0	5.8.0	REL-5	880	1	F	RT Load Value Clarification	TEI5

3GPP TSG-RAN3 Meeting #39
San Diego, USA, November 17th-21st 2003

Tdoc ⌘R3-031802

CR-Form-v7

CHANGE REQUEST

⌘ **25.413** **CR** **614** ⌘ **rev** **1** ⌘ Current version: **5.6.0** ⌘

*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 ☒

Title:	⌘	RT Load Value Clarification
Source:	⌘	RAN3
Work item code:	⌘	TEI5
Date:	⌘	15/11/2003
Category:	⌘	**F**
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:	⌘	For the Release 5 CRRM solution additional load information signalling between neighbouring RATs has been introduced. One kind of this load information is represented by the *RT Load Value* IE. However the 'information element functional definition and contents' of the RT Load Value is in itself contradictionary. Therefore two different interpretations of the RT Load Value may arise. Namely RT Load Value as a measure for the ratio of the RT load relative to the total (NRT+RT) load, or RT Load Value as a measure of the RT Load relative to a maximum RT load. These different interpretations would lead to interoperability problems.
Summary of change:	⌘	Revision 1: Editorial improvement according to discussion. Remove semantics description. Add in definition "... in percents ...", Revision 0: Text is changed to clearly allow only for the interpretation that RT Load Value is an indication for the ratio of the load generated by Real Time traffic relative to the measured Load Value. Impact assessment towards the previous version of the specification (same release): This CR has isolated impact towards the previous version of the specification (same release). This CR has an impact under protocol point of view. The impact can be considered isolated because it only affects the CRRM function.
Consequences if not approved:	⌘	The danger of different interpretations and the related interoperability problems would further exist.

Clauses affected:	⌘					
Other specs affected:	⌘	**Y**	**N**		⌘	
		X		Other core specifications		25.423 CR880
			X	Test specifications		
			X	O&M Specifications		
Other comments:	⌘					

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm. Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

/* Text ommited */

9.2.1.52 RT Load Value

The *RT Load Value* IE indicates in percents the ratio of the load generated by Real Time traffic relative to the measured Load Value. Real Time traffic corresponds to the Conversational and Streaming traffic classes.

IE/Group Name	Presence	Range	IE type and reference	Semantics description
RT Load Value	M		INTEGER (0..100)	~~Value 0 shall indicate the minimum RT load, and 100 shall indicate the maximum RT load. RT Load Value should be measured on a linear scale.~~

/* Text ommited */

3GPP TSG-RAN3 Meeting #39
San Diego, USA, November 17th-21st 2003

Tdoc ⌘R3-031803

CR-Form-v7

CHANGE REQUEST

⌘ **25.423** **CR** **880** ⌘ **rev** **1** ⌘ Current version: **5.7.0** ⌘

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Proposed change affects: UICC apps⌘ ☐ ME ☐ Radio Access Network ☒ Core Network ☐

Title:	⌘	RT Load Value Clarification
Source:	⌘	RAN3
Work item code:	⌘	TEI5
Date:	⌘	15/11/2003
Category:	⌘	**F**
Release:	⌘	REL-5

Use one of the following categories:
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Consequences if not approved:	⌘	The danger of different interpretations and the related interoperability problems would further exist.

Clauses affected:	⌘					
Other specs affected:	⌘	**Y**	**N**			
		X		Other core specifications	⌘	25.413 CR614
			X	Test specifications		
			X	O&M Specifications		
Other comments:	⌘					

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/* Text ommited */

9.2.1.50B RT Load Value

The *RT Load Value* IE indicates in percents the ratio of the load generated by Real Time traffic, relative to the measured Load Value. Real Time traffic corresponds to the Conversational and Streaming traffic classes.

IE/Group Name	Presence	Range	IE Type and Reference	Semantics Description
Uplink RT Load Value	M		INTEGER(0. .100)	~~Value 0 shall indicate the minimum RT load, and 100 shall indicate the maximum RT load. Load should be measured on a linear scale.~~
Downlink RT Load Value	M		INTEGER(0. .100)	~~Value 0 shall indicate the minimum RT load, and 100 shall indicate the maximum RT load. Load should be measured on a linear scale.~~

/* Text ommited */