TSG-RAN Meeting #6
Nice, France, 13 – 15 December 1999

TSGRP#6(99)741

Title: **Agreed CRs of category "C" (Modification) and "F" (Correction) to TS 25.410**

Source: **TSG-RAN WG3**

Agenda item: **5.4.3**

Doc #	Status-	Spec	CR	Rev	Subject	Cat	Versio	Versio
R3-99k00	agreed	25.410	002		SCCP GT Formats	F	3.0.0	3.1.0
R3-99i61	agreed	25.410	004		Q.2630.1 set-up and release on the	F	3.0.0	3.1.0

3GPP TSG-RAN Meeting #6 *Document* ***R3-99k00***

Nice, France, 13-15 December 1999

3G CHANGE REQUEST

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25.410 **CR** **002** Current Version: 3.0.0

3G specification number ↑ *↑ CR number as allocated by 3G support team*

For submision to TSG-RAN #6 for approval [X] *(only one box should*
list TSG meeting no. here ↑ for information [ ] *Be marked with an X)*

Form: 3G CR cover sheet, version 1.0 *The latest version of this form is available from: ftp://ftp.3gpp.org/Information/3GCRF-xx.rtf*

Proposed change affects: USIM [ ] ME [ ] UTRAN [X] Core Network [ ]
(at least one should be marked with an X)

Source: TSG RAN WG3 **Date:** 6/12/99

Subject: SCCP GT Formats

3G Work item: UTRAN Iu Interface

Category: *(only one category shall be marked with an X)*

F	Correction	X
A	Corresponds to a correction in a 2G specification	
B	Addition of feature	
C	Functional modification of feature	
D	Editorial modification	

Reason for change: Version 3.0.0 of 25.410 states that permitted GT formats are FFS. This CR replaces this with a specification of the permitted format.

Clauses affected: 2, 4.5.1.1.1

Other specs affected:

Other 3G core specifications	[ ]	→ List of CRs:
Other 2G core specifications	[ ]	→ List of CRs:
MS test specifications	[ ]	→ List of CRs:
BSS test specifications	[ ]	→ List of CRs:
O&M specifications	[ ]	→ List of CRs:

Other comments: A similar change has been made to the Iur General Aspects Specification, although no CR is required as it is not yet under TSG RAN Change Control.

help.doc

<--------- double-click here for help and instructions on how to create a CR.

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.

[1] UMTS 25.401, UTRAN Overall Description

[2] UMTS 23.930, Iu Principles

[3] UMTS 23.110, UMTS Access Stratum; Services and Functions

[4] UMTS 25.411, UTRAN Iu Interface: Layer 1

[5] UMTS 25.412, UTRAN Iu Interface: Signalling Transport

[6] UMTS 25.413, UTRAN Iu Interface: RANAP Signalling

[7] UMTS 25.414, UTRAN Iu Interface: Data Transport & Transport Signalling

[8] UMTS 25.415, UTRAN Iu Interface: CN-RAN User Plane Protocol

[9] Q.711 (7/96), Functional description of the signalling connection control part

[10] Q.712 (7/96), Definition and function of signalling connection control part messages

[11] Q.713 (7/96), Signalling connection control part formats and codes

[12] Q.714 (7/96), Signalling connection control part procedures

[13] UMTS 23.003, Numbering, Addressing and Identification

4.5 I_u Interface Characteristics

4.5.1 Use of Transport Network User Plane as Signalling Bearer

4.5.1.1 Use of SCCP

4.5.1.1.1 General

The SCCP is used to support signalling messages between the CNs and the RNC. One user function of the SCCP, called Radio Access Network Application Part (RANAP), is defined. The RANAP uses one signalling connection per active UE and CN for the transfer of layer 3 messages.

Both connectionless and connection-oriented procedures are used to support the RANAP. TS 25.413 explains whether connection oriented or connectionless services should be used for each layer 3 procedure.

RANAP may use SSN, SPC and/or GT and any combination of them as addressing schemes for the SCCP. Which of the available addressing scheme to use for the SCCP is an operator matter.

When GT addressing is utilised, the following settings shall be used:

- SSN Indicator = 1 (RANAP SSN as defined in [13] shall always be included).

- Global Title Indicator = 0100 (GT includes translation type, numbering plan, encoding scheme and nature of address indicator)

- Translation Type = 0000 0000 (not used)

- Numbering Plan = 0001 (E.163/4)

- Nature of Address Indicator = 000 0100 (International Significant Number)

- Encoding Scheme = 0001 or 0010 (BCD, odd or even)

- Routing indicator = 0 or 1 (route on GT or PC/SSN)

When used, the GT shall be the E.164 address of the relevant node.

The following sections describe the use of SCCP connections for RANAP transactions. Section 4.5.1.2 describes the connection establishment procedures. Section 4.5.1.3 describes the connection release procedures. Section 4.5.1.4 describes abnormal conditions.

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3G CHANGE REQUEST

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25.410 **CR** **004** Current Version: 3.0.0

3G specification number ↑ *↑ CR number as allocated by 3G support team*

For submision to TSG-RAN#6 *list TSG meeting no. here ↑* for approval [X] for information [ ] *(only one box should be marked with an X)*

Form: 3G CR cover sheet, version 1.0 *The latest version of this form is available from: ftp://ftp.3gpp.org/Information/3GCRF-xx.rtf*

Proposed change affects: *(at least one should be marked with an X)* USIM [ ] ME [ ] UTRAN [X] Core Network [ ]

Source: TSG-RAN WG3 **Date:** 27 Oct 1999

Subject: Q.2630.1 set-up and release on the Iu interface

3G Work item:

Category: *(only one category shall be marked with an X)*

F	Correction	X
A	Corresponds to a correction in a 2G specification	
B	Addition of feature	
C	Functional modification of feature	
D	Editorial modification	

Reason for change: Current section AAL2 connection establishment & release description has not been found explicit. This CR improves the existing text in stating clearly the UTRAN responsibility for this function.

Clauses affected: § 5.5.3

Other specs affected:

Other 3G core specifications	[ ]	→ List of CRs:
Other 2G core specifications	[ ]	→ List of CRs:
MS test specifications	[ ]	→ List of CRs:
BSS test specifications	[ ]	→ List of CRs:
O&M specifications	[ ]	→ List of CRs:

Other comments:

5.5.3 AAL2 connection establish and release function

This function is used to establish and release the AAL type 2 connections between CN and UTRAN upon an Iu radio access bearer service request. Both UTRAN and CN are taking part in the establishment of AAL2 connection. UTRAN shall initiate ~~the~~ both establishment and release of AAL2 connections. ~~UTRAN shall perform the release of the AAL2 connection upon request of the CN.~~ The use of AAL2 for Iu transmission bearers depends on type of CN.