TSG RAN Meeting #18 RP-020755 New Orleans, Louisiana, USA, 3 - 6 December, 2002

Title CRs (Rel-4 and Rel-5 Category A) to TS 29.108

Source TSG RAN WG3

Agenda Item 7.3.4

RAN3 Tdoc	Spec	curr. Vers.	new Vers.	REL	CR	Rev	Cat	Title	Work item
R3-022574	29.108	4.2.0	4.3.0	REL-4	009	1	F	Explicit indication of relocation related messages	TEI4
R3-022575	29.108	5.1.0	5.2.0	REL-5	010	1	Α	Explicit indication of relocation related messages	TEI4

3GPP TSG-RAN WG3 Meeting #33 Sophia Antipolis, France, 11 – 15 November 2002

CHANGE REQUEST										
*	29.108	CR	009	жrev	1	ж	Current version:	4.2.0	#	

*		29.108	CR	009	ж rev	1	ж	Current vers	ion:	4.2.0	#
For <u>HELP</u>	on u	sing this for	m, see b	ottom of this	page or	look a	at the	e pop-up text	over t	he ₩ sym	nbols.
Proposed change affects: UICC apps# ME Radio Access Network Core Network X											
Title:	#	Explicit in	dication c	of relocation	related r	nessa	iges				
Source:	¥	RAN WG	3								
Work item cod	de:₩	TEI4						Date: ₩	04/1	1/2002	
Category:	*	F (corr A (corr B (add C (fund D (edit	rection) responds i lition of fea ctional mo torial modi blanations	dification of feification) of the above	n in an ea eature)		elease	e) R96 R97 R98 R99 Rel-4	(GSM (Relea (Relea (Relea	lowing rele Phase 2) ase 1996) ase 1997) ase 1998) ase 1999) ase 4)	eases:
Reason for ch	ange	"duri part trans but ir There the a	ng the relo of the app oferred on a TS 29.1 efore, it is pplicable	licable RANA the E-interfact 08 the 'reloce not clear, w RANAP sub	rce alloca P subset ce;", cation' re whether e oset, or w	ation, o - as d lated e.g. th	mess e Re	sages are not location Cancer resource allerally	indica cel me ocatio	ated explicessage be	citly.

Similarly, TS 23.009, refers to 'trace related messages'.

Impact Analysis:

Impact assessment towards the previous version of the specification (same release):

This CR has isolated impact with the previous version of the specification (same release) because a node not implementing this change would restrict the allowed messages to be sent on E-interface.

This CR has an impact under functional and protocol point of view.

The impact can be considered isolated because the change affects only the relocation control function within the CN.

Relocation related and trace related messages are indicated explicitly in the list in Summary of change: ₩

clause 6.

Ambiguous specification. If the wrong radio access network protocol (BSSMAP Consequences if

instead of RANAP) is used to cancel the relocation, then the procedure may fail and the call may be dropped.

Clauses affected:	ж	6					
		Υ	N				
Other specs	\mathfrak{R}	X		Other core specifications	\mathfrak{R}	TS 29.108 Rel-5 CR010	
affected:			X	Test specifications			
			X	O&M Specifications			
Other comments:	\mathfrak{R}						

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.

RAB ASSIGNMENT REQUEST

6 RANAP messages transferred on the E-interface

The list given below shows the RANAP messages, defined in TS 25.413 subclause 9.1(tabular format) and 9.3 (ASN.1 notation) that are transferred on the E-interface.

 $(3G_MSC-A \rightarrow 3G_MSC-I)$

	RAB ASSIGNMENT RESPONSE	$(3G_MSC-I \rightarrow 3G_MSC-A)$
	RAB RELEASE REQUEST	$(3G_MSC-I \rightarrow 3G_MSC-A)$
	IU RELEASE REQUEST	$(3G_MSC-I \rightarrow 3G_MSC-A)$
*	RELOCATION REQUEST 3G_MSC-A)	(3G_MSC-A -> 3G_MSC-T and 3G_MSC-I ->
*	RELOCATION REQUEST ACKNOWLEDGE 3G_MSC-I)	(3G_MSC-T -> 3G_MSC-A and 3G_MSC-A ->
*	RELOCATION DETECT	(3G_MSC-T -> 3G_MSC-A)
*	RELOCATION COMPLETE	(3G_MSC-T -> 3G_MSC-A)
*	RELOCATION FAILURE	(3G_MSC-T -> 3G_MSC-A and 3G_MSC-I -> 3G_MSC-A)
*	_RELOCATION CANCEL	$(3G_MSC-I \rightarrow 3G_MSC-A)$
*	RELOCATION CANCEL ACKNOWLEDGE	(3G_MSC-A -> 3G_MSC-I)
<u>#</u>	CN INVOKE TRACE	$(3G_MSC-A \rightarrow 3G_MSC-I)$
	SECURITY MODE COMMAND	$(3G_MSC-A \rightarrow 3G_MSC-I)$

SECURITY MODE COMMAND $(3G_MSC-A -> 3G_MSC-I)$ SECURITY MODE COMPLETE $(3G_MSC-I -> 3G_MSC-A)$ SECURITY MODE REJECT $(3G_MSC-I -> 3G_MSC-A)$ LOCATION REPORTING CONTROL $(3G_MSC-A -> 3G_MSC-I)$ LOCATION REPORT $(3G_MSC-I -> 3G_MSC-A)$

DIRECT TRANSFER (3G_MSC-A -> 3G_MSC-I and 3G_MSC-I -> 3G_MSC-A)

ERROR INDICATION (3G_MSC-A -> 3G_MSC-I and 3G_MSC-I -> 3G_MSC-A)

All other RANAP messages shall be considered as non-existent on the E-interface.

Some of the messages above are qualified by * or #. This indicates whether the message, when sent on the E-interface, is considered as:

- relocation related message (*); or
- trace related message (#).

3GPP TSG-RAN WG3 Meeting #33 Sophia Antipolis, France, 11 – 15 November 2002

CHANGE REQUEST										
*	29.108	CR 010	n	1	# Current version:	5.1.0				

*	29	.108	CR	010	жrev	1	¥	Current vers	ion:	5.1.0	¥
For <u>HELP</u> on	using	this for	rm, see b	ottom of this	s page or	look a	at the	e pop-up text	over th	ne Ж sym	nbols.
Proposed change	affec	<i>ts:</i> (JICC app	s#	ME	Rad	dio Ad	ccess Networ	k	Core Ne	twork X
Title:	€ Ex	plicit in	dication c	of relocation	related n	nessa	iges				
Source:	€ RA	N WG	3								
Work item code:	€ TE	14						Date: ♯	04/11	1/2002	
Category:	Deta	F (corr A (corr B (add C (fund D (edit ailed exp	rection) responds a dition of fea actional modi torial modi	dification of the diffication) of the above	n in an ea feature)		elease	R97 R98 R99	(GSM I (Releas (Releas (Releas	owing rele Phase 2) se 1996) se 1997) se 1998) se 1999) se 4)	eases:
Reason for chang	ge: X	"duri part trans but ir Ther the a canc	ing the relo of the app sferred on n TS 29.1 refore, it is applicable celled by s	dicable RAN/ the E-interfa 08 the 'relo is not clear, ' RANAP su is ending a Bar 23.009, refe	urce alloca AP subset ce;", cation' rel whether e bset, or w SSMAP F	tion, o - as d ated g.g. the hether	efined mess e Re er the over F	ne relocation red in 3GPP TS : sages are not location Cande resource allerallure messages'.	indicacel mes	[15] - sha ited expli ssage be	citly.

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Summary of change: # Relocation related and trace related messages are indicated explicitly in the list in clause 6.

Consequences if # Ambiguous specification. If the wrong radio access network protocol (BSSMAP

instead of RANAP) is used to cancel the relocation, then the procedure may fail and the call may be dropped.

Clauses affected:	\mathfrak{R}	6					
		Υ	N				
Other specs	\mathfrak{H}	X		Other core specifications	\mathfrak{H}	TS 29.108 Rel-4 CR009	
affected:			Χ	Test specifications			
			Χ	O&M Specifications			
Other comments:	\mathfrak{R}						

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RAB ASSIGNMENT REQUEST $(3G_MSC-A -> 3G_MSC-I)$ RAB ASSIGNMENT RESPONSE $(3G_MSC-I -> 3G_MSC-A)$ RAB RELEASE REQUEST $(3G_MSC-I -> 3G_MSC-A)$

IU RELEASE REQUEST (3G_MSC-I -> 3G_MSC-A)

* RELOCATION REQUEST (3G_MSC-A -> 3G_MSC-T and 3G_MSC-I ->

3G_MSC-A)

* RELOCATION REQUEST ACKNOWLEDGE (3G_MSC-T -> 3G_MSC-A and 3G_MSC-A ->

3G MSC-I)

* RELOCATION DETECT (3G_MSC-T -> 3G_MSC-A)

* RELOCATION COMPLETE (3G_MSC-T -> 3G_MSC-A)

* RELOCATION FAILURE (3G_MSC-T -> 3G_MSC-A and 3G_MSC-I ->

3G_MSC-A)

*_RELOCATION CANCEL $(3G_MSC-I -> 3G_MSC-A)$

* RELOCATION CANCEL ACKNOWLEDGE (3G_MSC-A -> 3G_MSC-I)

CN INVOKE TRACE (3G_MSC-A -> 3G_MSC-I)

SECURITY MODE COMMAND (3G_MSC-A -> 3G_MSC-I)

SECURITY MODE COMPLETE (3G_MSC-I -> 3G_MSC-A)

SECURITY MODE REJECT (3G_MSC-I -> 3G_MSC-A)

LOCATION REPORTING CONTROL (3G_MSC-A -> 3G_MSC-I)

LOCATION REPORT (3G_MSC-I -> 3G_MSC-A)

DIRECT TRANSFER (3G_MSC-A -> 3G_MSC-I and 3G_MSC-I -> 3G_MSC-A)

ERROR INDICATION (3G_MSC-A -> 3G_MSC-I and 3G_MSC-I -> 3G_MSC-A)

CN DEACTIVATE TRACE (3G_MSC-A -> 3G_MSC-I)

COMMON ID (3G_MSC-A->3G_MSC-I)

LOCATION RELATED DATA REQUEST (3G_MSC-A -> 3G_MSC-I)

LOCATION RELATED DATA RESPONSE (3G_MSC-I -> 3G_MSC-A)

LOCATION RELATED DATA FAILURE (3G_MSC-I -> 3G_MSC-A)

All other RANAP messages shall be considered as non-existent on the E-interface.

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