CR-Form-v7.1

CHANGE REQUEST

| ⌘ | **29.108** CR **017** | ⌘**rev** | **-** | ⌘ | Current version: | **6.1.0** | ⌘ |

*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 **X** |

Title:	⌘	Full RANAP support of network initiated SCUDIF		
Source:	⌘	Nokia, Siemens, Telecom Italia		
Work item code: ⌘	TEI6		***Date:*** ⌘	01/03/2005
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 <u>TR 21.900</u>.	Use <u>one</u> of the following releases: Ph2 (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) Rel-7 (Release 7)

Reason for change:	⌘	The current support for the Release 6 network-initiated SCUDIF from Iu interface perspective does not completely fulfill the stage 1 requirements. The full support introduces changes to RANAP protocol that should be also supported over the MAP-E interface.
Summary of change: ⌘		The RANAP:RAB MODIFY REQUEST message is added in the list of RANAP messages that can be carried over MAP-E interface between MSCs.
Consequences if not approved:	⌘	E-interface lacks some functionality needed for Rel-6 network intiated SCUDIF

Clauses affected:	⌘	5 and 6

			Y	**N**	
Other specs affected:	⌘	**X**		Other core specifications	⌘ 25.413 (CR739)
			X	Test specifications	
			X	O&M Specifications	

Other comments:	⌘	This CR is the "RANAP on E-interface" counterpart of the RAN3 agreed CR739 to TS25.413 Rel-6

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.

5   Use of the RANAP on the E-interface

The dedicated RANAP procedures used on the E-interface to some extent are:

- RAB assignment;

- RAB Release Request;

- Iu Release Request;

- Relocation resource allocation;

- Relocation Detect;

- Relocation Complete;

- Relocation Cancel;

- CN Invoke Trace;

- Security mode control;

- Location Reporting Control;

- Location Report;

- Direct Transfer;

- Error Indication;

- Common ID;

- Location Related Data;

- UE Specific Information;

- RAB Modification Request.

Some unaffected parts of 5 not shown here

5.16   UE Specific Information

For the UE Specific Information procedure (TS 25.413, subclause 8.33), the involved 3G MSCs shall act according to the following:

- the 3G_MSC-A acts as the 3G_MSC;

- the 3G_MSC-I acts as the RNS.

5.17   RAB Modification Request

For the RAB Modification Request procedure (TS 25.413, subclause 8.30), the involved 3G MSCs shall act according to the following:

- the 3G_MSC-A acts as the 3G_MSC;

- the 3G_MSC-I acts as the RNS.

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.

	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 and 3G_MSC-T -> 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-A -> 3G_MSC-I)
*	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 and 3G_MSC-A -> 3G_MSC-T)
	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 and 3G_MSC-A -> 3G_MSC-T)
	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)
	UE SPECIFIC INFORMATION INDICATION	(3G_MSC-A -> 3G_MSC-I)
	RAB MODIFY REQUEST	(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 (#).