CHANGE REQUEST

Please see embedded help file at the bottom of this page for instructions on how to fill in this form correctly.

33.102	**CR**	**071r1**	Current Version:	**3.3.1**

GSM (AA.BB) or 3G (AA.BBB) specification number ↑   *↑ CR number as allocated by MCC support team*

For submission to:	**TSG SA #7**	for approval	**X**	strategic		*(for SMG*
list expected approval meeting # here ↑		for information		non-strategic		*use only)*

Form: CR cover sheet, version 2 for 3GPP and SMG   The latest version of this form is available from: ftp://ftp.3gpp.org/Information/CR-Form-v2.doc

Proposed change affects: (U)SIM ☐   ME **X**   UTRAN / Radio **X**   Core Network **X**
(at least one should be marked with an X)

Source:	Ericsson		**Date:**	2000-02-16

Subject:	Use of default IK at emergency call with no (U)SIM or when authentication has failed

Work item:	Security

Category:

	F	Correction		**X**	**Release:**	Phase 2	
	A	Corresponds to a correction in an earlier release				Release 96	
(only one category	B	Addition of feature				Release 97	
shall be marked	C	Functional modification of feature				Release 98	
with an X)	D	Editorial modification				Release 99	**X**
						Release 00	

Reason for change:	The handling of emergency call when no USIM is available or when authentication fails. Since integrity protection is mandatory in UMTS it is proposed to use a default IK for emergency calls when there is no (U)SIM available in the UE or when authentication has failed.

Clauses affected:	6.3.3.2 (New clause)

Other specs affected:

	Other 3G core specifications		→ List of CRs:	
	Other GSM 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:	

help.doc

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

6.3.3.2 Emergency calls

Emergency call is a serving network option that applies to the CS domain and is allowed to be performed even

1. without any (U)SIM present in the UE

2. when user authentication fails (USIM present)

3. when authentication is impossible to perform (USIM present but network failure or invalid USIM)

Since integrity protection is mandatory in UMTS, a default IK is used for emergency calls in the above-mentioned cases and only in these cases. The security mode set-up procedure will then also always be executed during the establishment of an emergency call.

Use of the default IK should be signalled in the security mode command and should only be accepted when an emergency call is made.

Default IK definition: IK[0], IK[1], …., IK[127], is set to

01000110 11000001 (46C1)

01001110 01011101 (4E5D)

11000000 01001000 (C048)

11010001 01011001 (D159)

11100010 01101010 (E26A)

11110011 01111011 (F37B)

11000000 00010001 (C011)

00001100 10000101 (0C85).