3GPP TSG SA WG3 (Security) meeting #11 xxx, xxx, xx-xx xxx 2000 "...-def-IK-PA1.doc"

Document **S3-000147**

e.g. for 3GPP use the format TP-99xxx or for SMG, use the format P-99-xxx

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	071		Current Versi	on: 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 list expected approval meeting # here		for approval X for information				strategic (for SMG 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: (at least one should be marked with an X) The latest version of this form is available from: ftp://ftp.3gpp.org/Information/CR-Form-v2.doc WE X UTRAN / Radio X Core Network X								
Source:	Ericsson					<u>Date:</u>	2000-02-16	;
Subject:	Use of default IK	at emergend	cy call w	r <mark>ith no (</mark> l	J)SIM or	when authentic	ation has fail	ed
Work item:	Security							
(only one category shall be marked	F Correction A Corresponds to a B Addition of featu C Functional modifica D Editorial modifica The handling of efailes. Since interes	re ication of feation emergency carrity protection	ature all when	no USI	M is avai	lable or when a	to use a defa	
	for emergency ca authentigcation h		ere is no	(U)SIM	available	in the UE or w	hen	
Clauses affected: 6.x								
Other specs affected:	Other 3G core spe Other GSM core s MS test specificati BSS test specifications O&M specifications	pecifications ons tions	-	ightarrow List $ ho$ $ ightarrow$ List $ ho$ $ ightarrow$ List $ ho$ $ ightarrow$ List $ ho$	of CRs: of CRs: of CRs:			
Other comments:								

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

6.x.x Support for emergency call in UMTS when no (U)SIM available

Emergency call is a service that applies to the CS domain and is allowed to be performed without any (U)SIM (operator option).

Since integrity protection is mandatory in UMTS, a default IK is used for emergency calls when no (U)SIM is available in the UE or when authentication has failed (the default key is only used in these cases). The security mode set-up procedure will then also always be executed during the establishment of an emergency call.

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).