## 14 - 17 May 2002, Victoria, Canada

CHANGE REQUEST											CR-Form-v5
*	33.	203 CR		жr	ev	<b>-</b> 3	& Cur	rent vers	sion:	5.1.0	*
For <u>HELP</u> on using this form, see bottom of this page or look at the pop-up text over the <b>%</b> symbols.											
Proposed change affects: \$\(\mathbb{K}\) (U)SIM ME/UE Radio Access Network Core Network											
Title: 第	Upda	ate of User	Authentica	tion Failu	re						
Source: #	rce:										
Work item code: 光								Date: ೫	09/0	05/02	
Reason for change	Use of the second secon	one of the following of	nds to a corn of feature), I modification modification ons of the a TR 21.900.	rection in a n of featur ) above cate	re) gories t for u	can sing D	ase)	2 R96 R97 R98 R99 REL-4 REL-5	the fol (GSM (Relea (Relea (Relea (Relea (Relea (Relea	llowing relation	er directly
Summary of chang	checked. It also describes what to do if the integrity protection presponse fails.  The text is changed to make it the authentication response that opposed to the RES. It also describes what happens in the unlike circumstances that the integrity check passes but the response							is check kely			
Consequences if not approved:	¥	The text will not reflect the use of Digest AKA to carry the authentication response. No behaviour will be described in the unlikely event that the integrit check passes but the authentication response fails. Both issues could lead to incorrect implementations.									ntegrity
Clauses affected:	ж	6.1.2, 6.1.	2.1								
Other specs affected:	*	Test sp	ore specificecifications	3	Ж						
Other comments:	æ										

## 6.1.2 Authentication failures

[Editor's note: This subsection shall deal with the requirements for network and user authentication failures.]

## 6.1.2.1 User authentication failure

In this case the authentication of the user should fail at the S-CSCF due an incorrect <u>response</u> RES (received in SM9). However, in the case when the response RES is incorrect, it is very likely that the IK used to protect SM7 will be incorrect as well, which will cause the and-integrity check at the P-CSCF to will fail before the response can RES can be verified at S-CSCF. In this case the

P-CSCF in this case shall discard SM7 and the registration and authentication procedures shall be then aborted.

If the integrity check passes but the response is incorrect, the message flows are identical up to and including SM9 as a successful authentication. Once the S-CSCF detects the user authentication failure it should proceed in the same way as having received SM9 in a network authentication failure (see clause 6.1.2.2).