Technical Specification Group Services and System Aspects**TSGS#20(03)0224**Meeting #20, Hämeenlinna, Finland, 09-12 June 2003

Source:	SA WG3
Title:	1 CR to 33.102: Handling of START values stored on a ME for use with a SIM (ReI-5)
Document for:	Approval
Agenda Item:	7.3.3

The following CR was approved by SA WG3 meeting #28 and is hereby presented to TSG SA#20 for approval.

SA doc#	Spec	CR	R	Phase	Subject		Current Version		SA WG3 doc#
SP-030224	33.102	179	-		Handling of START values stored on a ME for use with a SIM	F	5.1.0	SEC1	S3-030217

3GPP TSG-SA3#28 6 - 9 May 2003, Berlin, Germany

CHANGE REQUEST													
ж	TS	<mark>; 33</mark>	<mark>.102</mark>	CR	<mark>179</mark>		жrev	-	ж	Current ve	ersion:	5.1.0	ж
For <mark>HELP</mark>	on u	sing	this for	m, see	bottom	of this	s page o	r look	at th	e pop-up te	ext ove	r the	mbols.
Proposed cha	ange	affec	ts: (JICC a	pps#		ME	<mark>(</mark> Ra	dio A	ccess Netv	vork	Core N	etwork
Title:	ж	Ha	ndling	of STA	RT valu	<mark>les sto</mark>	<mark>red on a</mark>	ME f	<mark>or us</mark>	<mark>e with a Sll</mark>	M		
Source:	ж	SA	WG3										
Work item co	de: ೫	SE	C1							Date:	<mark>彩 28</mark>	/4/2003	
Category:	ж	Deta	 F 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>. 								(GS) (Rel (Rel (Rel (Rel (Rel (Rel	el-5 ollowing rei M Phase 2, ease 1996, ease 1997, ease 1998, ease 1999, ease 4) ease 5) ease 5) ease 6))))
Reason for cl	hange	: Ж	TS 33	.102 c	ontains	some	unclear	ext al	oout :	storing STA	RT va	lues on a	ME for
Summary of d	chang	уе: Ж	handli Clarify explic interp Issue- power Issue- and d	ing a S the in it follow retation -A: Sta -Off (I. B: Wh elete th	IM. tention ving req of the rt values e. the st en the S ne old ke	of the s uireme referer s store art valu SIM is r eys.	specifica ents in c nced cla d on a N ues on t replacec	ition in ause use 6 IE for ne ME , the I	n a cl 6.8.2 4.8: use sha VE sl	earer way: 2.4 which m with SIM sh Il be stored hall reset th	This in ay only nall sur in non ne STA	cludes ma / be derive vive a cor -volatile n RT values	aking ed by trolled nemory). s to zero
Consequence not approved		#	specif For is contro For is	ication sue-A: olled po sue-B: t that S	can be User of wer off, When i	interpr ME's, , will ex nsertin	reted in with ME operienc g SIM1	differe -store e eac from N	ent wa ed ST h time //E1 i	or a securi ays. ART value e an auther into ME2, a COUNT va	s, that nticatio nd ME	don't surv n delay. 2 is not at	vive a
Clauses affec	ted:	ж	6.8.2	2.4									
Other specs affected:		æ	Y N N N N	Test s	core sp specifica Specific	ations		ж					
Other comme	ents:	ж											

***** FIRST CHANGE *****

6.8.2.4 R99+ ME

R99+ ME with a SIM inserted, shall participate only in GSM AKA.

GSM AKA results in the establishment of a GSM security context; the GSM cipher key Kc and the cipher key sequence number CKSN are stored in the ME.

When the user is attached to a UTRAN, R99+ ME shall derive the UMTS cipher/integrity keys CK and IK from the GSM cipher key Kc using the conversion functions c4 and c5. The ME shall handle the START_{CS} and START_{PS} as described in section 6.4.8 with the exception that the START values <u>shall beare</u>_stored <u>in non-volatile memory</u> on the ME rather than on the GSM SIM. If the ME looses the current START value for a particular domain (e.g. due to power off) If a different SIM is inserted then the MEit shall delete the <u>corresponding</u> GSM cipher keys for the PS and CS domain (Kc), the derived UMTS cipher/integrity keys (CK and IK) for the PS and CS domain, and reset the START values to zero. The ME shall then trigger a new authentication and key agreement at the next connection establishment by indicating to the network that no valid keys are available for use using the procedure described in section 6.4.4.

When the user is attached to a UTRAN, a R99+ ME with a SIM inserted shall use a default value of all ones for maximum value of $START_{CS}$ or $START_{PS}$. The ME shall handle the maximum value of $START_{CS}$ or $START_{PS}$ as described in section 6.4.3 with the exception that the maximum value of $START_{CS}$ or $START_{PS}$ is stored on the ME rather than on the GSM SIM.

***** END OF CHANGES *****