# 3GPP TSG-T (Terminals) Meeting #17 Biarritz, France 4 – 6 September 2002

Source: T3

Title: Change Requests to TS 31.121

**Document for:** Approval

This document contains several change requests as follows:

T3 Doc	Spec	CR	Rv	Rel	Cat	Subject
T3-020694	31.121	009	-	R99	F	Correction of coding of EF ACMMax
T3-020693	31.121	800	-	Rel-4	A	Correction of coding of EF ACMMax
T3-020695	31.121	011	-	R99	F	Correction of number of bytes of EF Keys
T3-020680	31.121	010	-	Rel-4	A	Correction of number of bytes of EF Keys
T3-020715	31.121	013	1	R99	F	Definition of short message
T3-020714	31.121	012	1	Rel-4	A	Definition of short message

CHANGE REQUEST								CR-Form-v7				
æ		<mark>31.12</mark> ′	1 CR	800	ж	rev	-	ж	Current vers	sion:	4.1.0	ж
For <b>HELP</b> on using this form, see bottom of this page or look at the pop-up text over the <b>%</b> symbols.												
<b>Proposed change affects:</b> UICC apps# X ME X Radio Access Network Core Network												
Title:	ж	CR 31.1	21 Rel-	4 – Correc	tion of c	oding	of El	F AC	MMax			
Source:	ж	T3										
Work item code:	ж	TEI							Date: #	21/	08/2002	
Category:		<i>F</i> (cd <i>A</i> (c <i>B</i> (a <i>C</i> (fu <i>D</i> (e Detailed e	orrection) orrespond ddition of unctional ditorial m explanatio	ds to a corre	ection in n of featu	ıre)		elease	2	f the fo (GSN (Rele (Rele (Rele (Rele (Rele (Rele	I-4 Ilowing rele A Phase 2) pase 1996) pase 1997) pase 1998) pase 1999) pase 4) pase 5) pase 6)	eases:

Reason for change: अ	The coding of EF ACMMax is not correct.
_	
Summary of change: Ж	The coding is corrected.
Consequences if 🛛 🕷	Value of ACMMax won't be reached in this test. Test can't be passed
not approved:	successfully.
Clauses affected: #	6.4.3.4.1
	ΥΝ
Other specs #	N Other core specifications #
affected:	N Test specifications
	N O&M Specifications
Other comments: X	

- 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 <u>ftp://ftp.3gpp.org/specs/</u> 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.

## 6.4.3.4.1 Initial conditions

The Terminal shall be connected to a UICC or the USIM simulator, with all elementary files coded as default with the exception of:

EF<sub>UST</sub> (USIM Service Table) Logically: Local Phone Book available; User controlled PLMN selector available; Fixed dialling numbers available; The GSM Access available; The Group Identifier level 1 and level 2 not available; AoC available. Service n 33 (Packed Switched Domain) shall be set to '1'

Coding:	B1	B2	B3	B4	B5
binary	xxxx xx11	xxx1 xxxx	xxxx 1x00	xxxx x1xx	xxxx xxx1

The coding of  $EF_{UST}$  shall conform with the capabilities of the USIM used.

EF<sub>ACM</sub> (Accumulated call meter) Logically: 80 units

Coding:	B1	B2	B3
binary	0000 0000	0000 0000	0101 0000

EF<sub>ACMmax</sub> (Accumulated call meter maximum) Logically: 94 units

Coding:	B1	B2	B3
binary	<u>1111 111100</u>	<u>1111 111100</u>	0101 1110
	<u>00 0000</u>	<u>00 0000</u>	

The USS transmits on the BCCH, with the following network parameters:

Attach/detach:	disabled
LAI (MCC/MNC/LAC):	246/081/0001
Access control:	unrestricted.

User Equipment:

The UE is in MM-state "idle, updated".

CHANGE REQUEST								CR-Form-v7				
¥	4	<mark>31.12</mark> 1	CR	009	ж	rev	-	ж	Current ver	sion:	3.2.0	ж
For <b>HELP</b> on using this form, see bottom of this page or look at the pop-up text over the <b>#</b> symbols.												
Proposed change affects: UICC apps# X ME X Radio Access Network Core Network												
Title:	ж	CR 31.1	21 Rel9	9 – Correc	ction of	coding	g of E	FAC	CMMax			
Source:	ж	T3										
Work item code:	æ	TEI							Date: ೫	8 21/	08/2002	
Category:	C	Jse <u>one</u> o F (cc A (cc B (ac C (fu D (ec Detailed et	nrection) prrespond dition of nctional ditorial m xplanatio	owing categ ds to a corre feature), modification odification) ns of the al <u>FR 21.900</u> .	rection il n of fea	ture)		elease	2	f the fo (GSN (Rele (Rele (Rele (Rele (Rele	9 blowing rele A Phase 2) pase 1996) pase 1997) pase 1998) pase 1999) pase 4) pase 5) pase 6)	eases:

Reason for change: #	The coding of EF ACMMax is not correct.
_	
Summary of change: #	The coding is corrected.
, ,	
Consequences if #	Value of ACMMax won't be reached in this test. Test can't be passed
not approved:	successfully.
	· · ·
Clauses affected: #	6.4.3.4.1
	YN
Other specs #	N Other core specifications %
affected:	N Test specifications
aneoleu.	N O&M Specifications
Other comments: #	

- 1) Fill out the above form. The symbols above marked **#** contain pop-up help information about the field that they are closest to.
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Coding:	B1	B2	B3
binary	0000 0000	0000 0000	0101 0000

EF<sub>ACMmax</sub> (Accumulated call meter maximum) Logically: 94 units

Coding:	B1	B2	B3
binary	<u>1111 111100</u>	<u>1111 111100</u>	0101 1110
	<u>00 0000</u>	<u>00 0000</u>	

The USS transmits on the BCCH, with the following network parameters:

Attach/detach:	disabled
LAI (MCC/MNC/LAC):	246/081/0001
Access control:	unrestricted.

User Equipment:

The UE is in MM-state "idle, updated".

		CR-Form-vi											
CHANGE REQUEST													
¥	31.121 CR 010 <b>#rev</b> - <sup>8</sup>	# Current version: <b>4.1.0</b> #											
For <u>HELP</u> or	using this form, see bottom of this page or look at	t the pop-up text over the X symbols.											
Proposed chang	e <b>affects:</b> UICC apps# X ME X Radio	o Access Network Core Network											
Title:	CR 31.121 Rel-4 – Correction of number of by	rtes of EF Keys											
Source:	ŧ Т3												
Work item code:	t <mark>EI المعامر المع</mark>	<b>Date:</b> ₩ 21/08/2002											
Category:	<ul> <li>A</li> <li>Use <u>one</u> of the following categories:</li> <li>F (correction)</li> <li>A (corresponds to a correction in an earlier rele</li> <li>B (addition of feature),</li> <li>C (functional modification of feature)</li> <li>D (editorial modification)</li> <li>Detailed explanations of the above categories can be found in 3GPP <u>TR 21.900</u>.</li> </ul>	Release: #Rel-4Use one 2(GSM Phase 2)ease)R96(Release 1996)R97(Release 1997)R98(Release 1998)R99(Release 1999)Rel-4(Release 4)Rel-5(Release 5)Rel-6(Release 6)											

Reason for change:	원 Wrong number of bytes of EF Keys.
Summary of change:	# The missing byte is added.
Consequences if not approved:	# Wrong implementation of EF Keys in the USIM Simulator.
Clauses affected:	ቼ 4.1.1.4
Other specs affected:	Y       N         %       N         Other core specifications       %         N       Test specifications         N       O&M Specifications
Other comments:	¥

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# 4.1.1.4 EF<sub>Keys</sub> (Ciphering and Integrity Keys)

Logically: Key Set Identifier KSI: 0x Ciphering Keys CK: xx Integrity Keys IK: xx

Coding:	B1	B2	B3	 B16	B17	B18	 B30	B31	B32	<u>B33</u>
Hex	0x	XX	XX	 XX	XX	XX	 XX	XX	XX	<u>XX</u>

	CHANGE REQUEST														
ж	#         31.121         CR         011         # rev         -         # Current version:         3.2.0														
For <u>HELP</u> or	using this forn	n, see bottom of this	s page or .	look a	t the	e pop-up text	over th	ne ж syr	nbols.						
Proposed chang	affects: UI	CC apps# X	MEX	Radi	o Ac	ccess Networ	k <mark>–</mark>	Core Ne	etwork						
Title:	CR 31.121	R99 – Correction of	of number	of byt	es o	f EF Keys									
Source:	T3														
Work item code:	TEI					<i>Date:</i>	21/08	8/2002							
Category:	F (corre A (corre B (addit C (funct D (edito Detailed expla	e following categorie. ction) sponds to a correction ion of feature), ional modification of i rial modification) anations of the above GPP <u>TR 21.900</u> .	on in an ear feature)		ease	Use <u>one</u> of 2 (P) R96 R97 R98 R99 Rel-4	(GSM   (Releas (Releas (Releas	Phase 2) se 1996) se 1997) se 1998) se 1999) se 4) se 5)	eases:						

Reason for change: 3	Wrong number of bytes of EF Keys.
Summary of change: ३	The missing byte is added.
Consequences if भै not approved:	Wrong implementation of EF Keys in the USIM Simulator.
Clauses affected:	£ 4.1.1.4
Other specs ३ affected:	Y       N         Image: N       Other core specifications         Image: N       Test specifications         Image: N       O&M Specifications
Other comments: ३	ß

- 1) Fill out the above form. The symbols above marked **#** contain pop-up help information about the field that they are closest to.
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Coding:	B1	B2	B3	 B16	B17	B18	 B30	B31	B32	<u>B33</u>
Hex	0x	XX	XX	 XX	XX	XX	 XX	XX	XX	<u>XX</u>

	CHANGE REQUEST														
H	#         31.121         CR         012         # rev         1         # Current version:         4.1.0														
For <u>HELP</u> or	sing this form, see bottom of this pag	e or look at the	pop-up text c	over the X symbols.											
Proposed chang	<b>affects:</b> UICC apps <b>೫ <mark>Ⅹ</mark>   M</b>	E X Radio Ac	cess Network	Core Network											
Title:	CR 31.121 Rel-4 – Definition of sho	rt message													
Source:	Т3														
Work item code:	TEI		Date: ೫	22/08/2002											
Category:	<ul> <li>A</li> <li>Use <u>one</u> of the following categories:</li> <li>F (correction)</li> <li>A (corresponds to a correction in a B (addition of feature),</li> <li>C (functional modification of feature)</li> <li>D (editorial modification)</li> <li>Detailed explanations of the above categories</li> <li>be found in 3GPP <u>TR 21.900</u>.</li> </ul>	n earlier release) 9)	Use <u>one</u> of tl 2 ( R96 ( R97 ( R98 ( R99 ( Rel-4 ( Rel-5 (	Rel-4 ne following releases: GSM Phase 2) Release 1996) Release 1997) Release 1998) Release 1999) Release 4) Release 5) Release 6)											

Reason for change: ೫	Definition of comparable short message is missing.
-	
Summary of change: #	A short message is defined.
, ,	u de la construcción de la const
Consequences if 🛛 🕱	UE might fail the test because of possible inconsitences of the short messages
not approved:	used by USS and USIM simulator.
Clauses affected: #	8.2.1.4.1, 8.2.1.4.2
	YN
Other specs %	N Other core specifications #
Affected:	N Test specifications
	N O&M Specifications
Other comments: #	

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## 8.2.1.4.1 Initial conditions

The default UICC is used with the following exception:

EFuer (US	SIM Servi	ice Tab	le)		0	1								
EF <sub>UST</sub> (USIM Service Table) Logically: Local Phone Book available User controlled PLMN selector available Fixed dialling numbers available Barred dialling numbers available The GSM Access available The Group Identifier level 1 and level 2 not available SMS available SMS Status available Service n 33 (Packed Switched Domain) shall be set to '1'														
Coding: binary	Coding: B1 B2 B3 B4 B5													
Th	e coding	of EF <sub>US</sub>	<sub>sT</sub> shall o	conform	n with tl	ne capał	oilities o	of the US	SIM use	ed.				
EF <sub>SMS</sub> (Sh	The coding of $EF_{UST}$ shall conform with the capabilities of the USIM used. $EF_{SMS}$ (Short Message Service)													
At least 10	) records.													
Record 1 : Logically:			o empty	<i>.</i>										
Record 1: Coding: Hex	B1 00	B2 00	B3 00	B4 00	B5 00	B6 00	B7 00	B8 00	B9 00	B10 00	B11 00	B12 00	 	B176 FF
All other l Logically:		yte set t	o SMS		ll be fil	led with	n any ap	propriat	e text.					
Records Coding: Hex	B1 01	B2 xx	B3 xx	B4 Xx	B5 Xx	B6 xx	B7 Xx	B8 xx	B9 xx	B10 xx	B11 xx	B12 xx	 	B176 xx
Note:			e the app sents the			-	SMS d	efault 7-	-bit cod	ed alpha	abet as c	lefined	in 3G 7	FS 23.038
EF <sub>SMSS</sub> (S	MS Statu	s)												
Logically:					ıg unset	b1="1"	').							
Coding: Hex	•													
The USS	transmits	on the	ВССН,	with th	e follow	ving net	work pa	arameter	s:					
LAI (MC	The USS transmits on the BCCH, with the following network parameters:Attach/detach:disabledLAI (MCC/MNC/LAC):246/081/0001Access control:unrestricted.													

The USS transmits the short message with the following parameters:

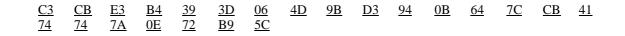
Logically:

<u>F4</u>

<u>36 83 E8 E8 32</u>

TS-Serv	vice Cen	tre Ad	dress:													
Bit 8	3:				1											
Type	e-Of-Nu	mber:			Int	ernatio	nal nui	<u>nber</u>								
Num	bering-	Plan-I	dentifi	cation:	IS	DN/tel	ephony	<u>/ numb</u>	ering p	<u>lan</u>						
<u>Addı</u>	ress val	ue:			11	223344	5566									
<u>SMS TP</u>	PDU:															
<u>TP-N</u>	Message	e-Type	-Indica	ator:	SN	IS-DE	LIVER	(in the	e direct	ion SC	to MS	)				
<u>TP-N</u>	More-M	lessage	es-to-Se	end:	No	more	messag	ges are	waiting	g for th	e MS i	n this S	<u>SC</u>			
<u>TP-F</u>	Reply-P	ath:			TP	-Reply	-Path <u>r</u>	aramet	ter is n	ot set i	n this S	SMS-D	ELIVE	<u>ER</u>		
<u>TP-U</u>	User-Da	ta-Hea	der-In	dicator	: Th	e TP-U	D field	l contai	ns only	the sl	<u>nort me</u>	essage				
TP-S	Status-R	eport-	Indicat	tion:	A	<u>status r</u>	eport s	<u>hall be</u>	returne	ed to th	ne SME	3				
Bits	4-3:				00											
<u>TP-C</u>	<u> Originat</u>	ing-Ac	ldress:													
B	Bit 8 :					1										
<u>T</u>	Гуре-Of	-Numl	ber:			Intern	ational	numbe	er							
N	Numberi	ing-Pla	an-Ider	ntificati	on:	ISDN	/teleph	ony nu	mberin	<u>g plan</u>						
A	Address	value:				01234	45566	<u>77</u>								
<u>TP-F</u>	Protocol	-Ident	ifier:			No int	erwork	king, bu	ut SME	to-SN	<u>IE prot</u>	tocol				
<u>TP-E</u>	Data-Co	ding-S	Scheme	<u>e:</u>												
B	Bits 8-7:					Gener	al Data	u Codin	<u>ig</u>							
B	Bit 6:					Text i	s uncoi	npress	ed							
B	Bit 5:					Bits 2	-1 have	e a mes	sage cl	ass me	aning					
B	Bits 4-3:					GSM	<u>7 bit de</u>	efault a	lphabe	<u>t</u>						
B	Bits 2-1:					Class	2: (U)S	SIM sp	ecific r	nessag	<u>e</u>					
TP-S	Service-	Centre	-Time	-Stamp	):	02-03-	04 09	:13:06	GMT	+ 1						
<u>TP-U</u>	User-Da	ta-Len	igth:			160										
<u>TP-U</u>	User-Da	ita:														
				eceived SMS (I						ore the	SMS o	n the U	JSIM,	if this i	s indic	ated by
o <u>ding:</u> ex	07 77 83 79 <u>DA</u> 2E 40 7A	91 00 <u>A6</u> 10 1D 83 69	11 12 CD 1D 66 <u>A6</u> <u>33</u> 0C	22 20 29 5D 83 CD 88	33 30 28 06 E6 29 8E	<u>44</u> <u>40</u> <u>3D</u> <u>55</u> <u>E8</u> <u>E8</u> <u>4E</u>	55 90 07 8B 30 ED CF	66 31 C9 2C 9B 06	24 60 CB 10 0D D1	0C 40 E3 1D 9A D1	91 <u>A0</u> 72 5D <u>D3</u> 65 28	<u>10</u> <u>4F</u> <u>DA</u> <u>06</u> <u>DF</u> <u>50</u>	<u>32</u> <u>F7</u> <u>5E</u> <u>51</u> <u>F2</u> <u>75</u> <u>26</u>	<u>44</u> <u>B8</u> <u>26</u> <u>CB</u> <u>32</u> <u>9A</u> <u>A7</u>	55 0C 83 F2 88 6C C7	66 0A C4 76 8E B2 61 0C

<u>68 DA 9C 82 50 D5 69 B2 09 9A</u>



User Equipment:

The UE is in MM-state "idle, updated".

#### 8.2.1.4.2 Procedure

- a) After the UE is set to idle mode, a defined SMS with 160 characters shall be send to the UE.
- b) After the UE has indicated that a SMS was received, the SMS shall not be read. The UE is powered off.

## 8.2.1.5 Acceptance criteria

1) After step b) the record of the  $EF_{SMS}$  which was empty, shall contain the following values:

#### Logically: Status byte set to SMS to be read

The text of the received SMS shall be present in the record.

Record Coding Hex		<del>B1</del> <del>03</del>	<del>B2</del> <del>xx</del>	<del>B3</del> <del>Xx</del>	<del>B4</del> <del>xx</del>	<del>B5</del> <del>Xx</del>	<del>B6</del> <del>xx</del>	<del>B7</del> <del>xx</del>	<del>B8</del> <del>xx</del>	<del>B9</del> <del>xx</del>	<del>B10</del> <del>xx</del>	<del>B11</del> <del>xx</del>	<del>B12</del> <del>xx</del>	<del></del>	<del>B176</del> <del>xx</del>
	<del>te:</del>	"xx"	<del>shall be</del>	the app	ropriat		ing the								TS 23.038
Log	gically	/ <u>:</u>													
<u>Sta</u>	<u>tus:</u> RFU Status	<u>bits 8-6</u> s:	5:			<u>000</u> Used s	pace, n	nessage	receive	l by MS	<u>from n</u>	etwork,	messag	<u>ge to be</u>	e read
TS	-Servi	ce Cen	tre Add	ress:											
	<u>Bit 8:</u>					1									
	Type-	-Of-Nu	mber:			Interna	tional 1	<u>number</u>							
	Numt	pering-	Plan-Ide	entificat	ion:	ISDN/	telepho	ony num	bering	<u>plan</u>					
	Addre	ess valu	ie:			112233	844556	<u>6</u>							
SM	IS TPI	DU:													
	<u>TP-M</u>	lessage	-Type-I	ndicato	r:	SMS-D	DELIVI	ER (in th	ne direc	tion SC	to MS)				
	<u>TP-M</u>	lore-M	essages	-to-Send	1:	No mo	re mess	sages are	e waitin	g for the	e MS in	this SC	1 <u>-</u>		
	<u>TP-R</u>	eply-Pa	ath:			TP-Rep	oly-Pat	h param	eter is r	ot set ir	this SN	MS-DEI	LIVER		
	<u>TP-U</u>	ser-Da	ta-Head	er-Indic	cator:	The TP	-UD fi	eld conta	ains onl	y the sh	ort mes	sage			
	<u>TP-St</u>	tatus-R	eport-Ir	ndication	n:	A statu	s repor	t shall b	e returr	ed to th	e SME				
	<u>Bits 4</u>	-3:				00									
	TP-O	riginati	ing-Add	lress:	_										

	Bit 8 :						_1											
	Туре-	Of-Nur	nber:			Inter	nation	al num	<u>ber</u>									
	Numb	ering-F	lan-Id	entifica	tion:	ISDI	N/telep	hony n	umber	ing pla	<u>n</u>							
	Addre	ess valu	e:			0123	344556	<u>677</u>										
	<u>TP-Proto</u>	col-Idei	ntifier:			No i	nterwo	rking, l	but SM	IE-to-S	ME pr	otocol						
	TP-Data-Coding-Scheme:																	
	Bits 8-7:						General Data Coding											
	Bit 6:						Text is uncompressed											
	Bit 5:					Bits	2-1 ha	ve a me	essage	class n	neaning	2						
	Bits 4	-3:				GSM 7 bit default alphabet												
	Bits 2	-1:				Class	<u>s 2: (U</u>	)SIM s	pecific	messa	<u>ge</u>							
	TP-Servi	ce-Cent	re-Tim	e-Star	ıp:	02-03	<u>3-04 0</u>	9:13:00	6 GM	<u>T + 1</u>								
	TP-User-	Data-L	ength:			160												
	TP-User-	Data:																
										the Sl	MS on	the US	IM, if	this is	indicat	ed by th	<u>1e</u>	
a v		2 of the	<u>SMS (</u>	USIM	specifi	<u>c SMS</u>	). For	th1s"	-									
<u>Coding</u> <u>Hex</u>	$\begin{array}{c} \underline{03} \\ \underline{66} \\ 0A \\ \underline{C4} \\ 76 \\ \underline{8E} \\ \underline{B2} \\ 61 \\ \underline{0C} \\ \underline{9A} \\ \underline{41} \end{array}$	07 77 83 79 DA 2E 40 7A F4 C3 74	91 00 <u>A6</u> 10 1D 83 69 99 36 <u>CB</u> 74	11 12 CD 1D 66 33 0C 83 E3 7A	22 20 29 5D 83 CD 88 12 E8 B4 0E	33 30 28 06 29 8E 29 8E E7 E8 39 72	$\begin{array}{r} 44 \\ 40 \\ 3D \\ 55 \\ E8 \\ 4E \\ 41 \\ 32 \\ 3D \\ B9 \end{array}$	55 90 07 8B 30 ED CF 74 68 06 5C	66 31 C9 2C 9B 06 41 74 DA 4D	24 60 CB 10 0D D1 E9 19 9C 9B	0C 40 E3 1D 9A D1 39 34 82 D3	91 A0 72 5D D3 65 28 66 50 94	10 4F 06 DF 50 ED 87 05 0B	32 F7 5E 51 F2 75 26 E7 69 64	44 B8 26 CB 32 9A A7 73 B2 7C	55 0C 83 F2 88 6C C7 90 09 CB		

2) After step b) the memory flag in the  $EF_{SMSS}$  shall be set to full.

EF<sub>SMSS</sub> (SMS Status)

Logically: Last used TP-MR shall be set to any appropriate value. Memory capacity available (flag set b1="0").

Coding:	B1	B2
Hex	FE	XX

ж	31.121	CR <mark>013</mark>	ж <b>rev</b>	<b>1</b> <sup>#</sup>	Current vers	sion: <b>3.2.0</b>	ж			
For <u>HELP</u> on a Proposed change		m, see bottom of JICC apps <b>೫ X</b>	· · ·	_	the pop-up text Access Netwo		mbols. etwork			
Title: # Source: #		1 R99 – Defintior	n of short mes	sage						
Work item code: ¥	TEI				Date: ೫	22/08/2002				
Category: ₩	Use <u>one</u> of F (con A (cor B (add C (fun D (edi Detailed exp	the following catego rection) responds to a corre- lition of feature), ctional modification) torial modification) blanations of the ab 3GPP TR 21.900.	ection in an ear n of feature)		2	R99 the following rel (GSM Phase 2, (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5)				

Reason for change: अ	Definition of comparable short message is missing.
Summary of change: #	A short message is defined.
Consequences if #	···· 3··· ···· ··· ··· ··· ··· ··· ·
not approved:	used by USS and USIM simulator.
Clauses affected: #	8.2.1.4.1, 8.2.1.4.2
	YN
Other specs #	N Other core specifications %
Affected:	N Test specifications
	N O&M Specifications
Other comments: #	

Rel-6

(Release 6)

## How to create CRs using this form:

- 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 <u>ftp://ftp.3gpp.org/specs/</u> 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.

## 8.2.1.4.1 Initial conditions

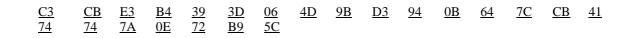
The default UICC is used with the following exception:

The defu		15 4504		10110 11	ing ene	option.								
EF <sub>UST</sub> (U	SIM Serv	vice Tab	ole)											
Logically: Local Phone Book available User controlled PLMN selector available Fixed dialling numbers available Barred dialling numbers available The GSM Access available The Group Identifier level 1 and level 2 not available SMS available SMS Status available Service n 33 (Packed Switched Domain) shall be set to '1'														
Coding: binary	•													
The coding of $EF_{UST}$ shall conform with the capabilities of the USIM used.														
EF <sub>SMS</sub> (Short Message Service)														
At least 1	10 record	s.												
Record 1 shall be empty. Logically: Status byte set to empty.														
Record 1:         Coding:         B1         B2         B3         B4         B5         B6         B7         B8         B9         B10         B11         B12          B176           Hex         00         00         00         00         00         00         00         00         00         00         00         00         FF														
All other Logically		yte set t	to SMS		ıll be fil	led with	n any ap	propriat	e text.					
Records														
Coding: Hex	B1 01	B2 xx	B3 xx	B4 Xx	B5 Xx	B6 xx	B7 Xx	B8 xx	B9 xx	B10 xx	B11 xx	B12 xx	 	B176 xx
Note:		' shall b ch repre					SMS d	lefault 7-	bit cod	ed alpha	abet as o	lefined	in 3G T	TS 23.038
EF <sub>SMSS</sub> (S	SMS Stat	us)												
Logically: Last used TP-MR not defined. Memory capacity available (flag unset b1="1").														
Coding: Hex	B1 FF	B2 FF												
The USS transmits on the BCCH, with the following network parameters:														
Attach/detach:disabledLAI (MCC/MNC/LAC):246/081/0001Access control:unrestricted.														

The USS transmits the short message with the following parameters:

Logically:

<u>TS-Se</u>	ervice Ce	ntre Ac	ldress:													
Bi	t 8:				1											
<u>Ty</u>	pe-Of-N	umber:			Int	ernatio	nal nu	<u>nber</u>								
<u>Nu</u>	umbering	g-Plan-I	dentifi	cation:	IS	DN/tel	ephony	<u>numb</u>	ering p	<u>olan</u>						
Ad	ldress va	lue:			11	223344	5566									
SMS 7	<u>TPDU:</u>															
<u>TP</u>	P-Messag	<u>e-Type</u>	-Indica	ator:	SN	IS-DE	LIVER	(in the	direct	ion SC	to MS	)				
TP	P-More-N	Aessage	es-to-Se	end:	No	more	messag	es are	waiting	g for th	e MS i	n this S	<u>SC</u>			
TP	P-Reply-l	Path:			TP	-Reply	-Path <u>r</u>	aramet	er is n	ot set i	n this S	SMS-D	ELIVE	ER		
TP	P-User-D	ata-Hea	ader-In	dicator	: The	e TP-U	D field	contai	ns only	y the sl	nort me	ssage				
TP	P-Status-	Report-	Indicat	ion:	A	<u>status r</u>	eport s	hall be	returne	ed to th	ne SME	<u> </u>				
Bi	ts 4-3:				00											
TP	P-Origina	ting-A	ddress:													
	<u>Bit 8</u>	:				1										
	<u>Type-O</u>	f-Num	ber:			Intern	ational	numbe	<u>er</u>							
	Number	ring-Pla	an-Ider	ntificati	on:	ISDN	/teleph	ony nu	mberin	g plan						
	Address	s value:				01234	45566	<u>77</u>								
TP	P-Protoco	ol-Ident	ifier:			No int	terwork	<u>king, bu</u>	it SME	E-to-SN	<u>IE prot</u>	ocol				
TP	P-Data-C	oding-S	Scheme	<u>):</u>												
	<u>Bits 8-7</u>	7:				Gener	al Data	Codin	g							
	<u>Bit 6:</u>					Text i	s uncoi	npress	ed							
	<u>Bit 5:</u>					Bits 2	-1 hav	e a mes	ssage c	lass m	eaning					
	<u>Bits 4-3</u>	3:				GSM	<u>7 bit de</u>	efault a	lphabe	<u>t</u>						
	<u>Bits 2-1</u>	:				Class	2: (U)S	SIM spe	ecific n	nessag	<u>e</u>					
TP	P-Service	-Centre	e-Time	-Stamp	:	02-03-	04 09	13:06	GMT	+ 1						
TP	P-User-D	ata-Ler	ngth:			160										
TP	P-User-D	<u>ata:</u>														
										ore the	SMS o	n the U	JSIM,	if this i	s indic	ated by
	the o	class 2	of the s	<u>SMS (</u> 1	JSIM S	specific	<u>c SMS)</u>	<u>. For th</u>	<u>115"</u>							
<u>Coding:</u> <u>Iex</u>	07 77 83 79 DA 2E 40 7A	91 00 A6 10 1D 83 69 99 36	11 12 CD 1D 66 <u>A6</u> <u>33</u> 0C	22 20 29 5D 83 CD 88 12	33 30 28 06 E6 29 8E E7	44 40 3D 55 E8 E8 4E 41	55 90 07 8B 30 ED CF 74	66 31 C9 2C 9B 06 41 74	24 60 CB 10 0D D1 E9 19	0C 40 E3 1D 9A D1 39 34	91 A0 72 5D D3 65 28 66	10 4F DA 06 DF 50 ED 87	32 F7 5E 51 F2 75 26 E7	<u>44</u> <u>B8</u> <u>26</u> <u>CB</u> <u>32</u> <u>9A</u> <u>A7</u> <u>73</u>	55 0C 83 F2 88 6C C7 90	66 0A C4 76 8E B2 61 0C
	<u>F4</u>	36	83	<u>E8</u>	E8	32	68	DA	<u>9C</u>	82	50	<u>D5</u>	<u>69</u>	<u>B2</u>	09	<u>9A</u>



User Equipment:

The UE is in MM-state "idle, updated".

#### 8.2.1.4.2 Procedure

- a) After the UE is set to idle mode, a defined SMS with 160 characters shall be send to the UE.
- b) After the UE has indicated that a SMS was received, the SMS shall not be read. The UE is powered off.

## 8.2.1.5 Acceptance criteria

1) After step b) the record of the  $EF_{SMS}$  which was empty, shall contain the following values:

#### Logically: Status byte set to SMS to be read

The text of the received SMS shall be present in the record.

Record		<del>B1</del>	<del>B2</del>	<del>B3</del>	<del>B4</del>	<del>B5</del>	<del>B6</del>	<del>B7</del>	<del>B8</del>	<del>B9</del>	<del>B10</del>	<del>B11</del>	<del>B12</del>		<del>B176</del>
Hex	5.	<del>03</del>	<del>XX</del>	<del>XX</del>	<del>374</del> <del>XX</del>	<del>Xx</del>	<del>xx</del>	<del>87</del> <del>XX</del>	<del>xx</del>	<del>37</del> <del>XX</del>	<del>310</del> <del>XX</del>	<del>- 111</del> - <del>XX</del>	<del>312</del> <del>XX</del>	<del></del>	<del>3170</del> <del>XX</del>
Ne	əte:	<u>"xx"</u>	<del>shall be</del>	the app	ropriat		sing the								<del>FS 23.038</del>
Lo	gically	<u>y:</u>													
<u>Sta</u>	a <u>tus:</u> <u>RFU</u> Status	<u>bits 8-0</u> s:	6:			<u>000</u> Used s	pace, m	nessage	received	d by MS	5 from n	etwork,	messag	ge to be	read
TS	-Servi	ce Cen	tre Add	ress:											
	<u>Bit 8:</u>	:				1									
	<u>Type</u>	-Of-Nu	mber:			Interna	tional 1	<u>number</u>							
	Numl	bering-	Plan-Id	entificat	tion:	ISDN/	telepho/	ony num	bering	<u>plan</u>					
	Addre	ess valu	ue:			112233	344556	<u>6</u>							
SN	<u>IS TP</u>	DU:													
	TP-M	lessage	-Type-l	Indicato	r:	SMS-E	DELIVI	ER (in th	e direc	tion SC	to MS)				
	<u>TP-M</u>	lore-M	essages	-to-Send	1:	No mo	re mess	sages are	e waitin	<u>g for th</u>	e MS in	this SC	1 <u>-</u>		
	<u>TP-R</u>	eply-Pa	ath:			TP-Rep	ply-Pat	h param	eter is r	ot set in	n this SN	AS-DEI	LIVER		
	<u>TP-U</u>	ser-Da	ta-Head	ler-Indic	cator:	The TP	-UD fie	eld conta	ains onl	y the sh	ort mes	sage			
	TP-St	tatus-R	eport-I1	ndication	n:	A statu	is repor	t shall b	e return	ed to th	e SME				
	<u>Bits 4</u>	4-3:				00									
	<u>TP-O</u>	riginat	ing-Ado	dress:	_										

Bit 8 :	<u>1</u>
Type-Of-Number:	International number
Numbering-Plan-Identification:	ISDN/telephony numbering plan
Address value:	012344556677
TP-Protocol-Identifier:	No interworking, but SME-to-SME protocol
TP-Data-Coding-Scheme:	
Bits 8-7:	General Data Coding
Bit 6:	Text is uncompressed
Bit 5:	Bits 2-1 have a message class meaning
Bits 4-3:	GSM 7 bit default alphabet
Bits 2-1:	Class 2: (U)SIM specific message
TP-Service-Centre-Time-Stamp:	02-03-04 09:13:06 GMT + 1
TP-User-Data-Length:	160
<u>TP-User-Data:</u>	
"Once a SMS is received by the U class 2 of the SMS (USIM specifi	JE, the Terminal shall store the SMS on the USIM, if this is indicated by the ic SMS). For this"
Coding	

Codin

<u>.</u> <u>Hex</u>	<u>03</u> <u>66</u> <u>0A</u>	<u>07</u> <u>77</u> <u>83</u>	<u>91</u> <u>00</u> <u>A6</u>	<u>11</u> <u>12</u> <u>CD</u>	<u>22</u> <u>20</u> <u>29</u>	<u>33</u> <u>30</u> <u>28</u>	<u>44</u> <u>40</u> <u>3D</u>	<u>55</u> <u>90</u> <u>07</u>	<u>66</u> <u>31</u> <u>C9</u>	<u>24</u> <u>60</u> <u>CB</u>	<u>0C</u> <u>40</u> <u>E3</u>	<u>91</u> <u>A0</u> <u>72</u>	<u>10</u> <u>4F</u> <u>DA</u>	<u>32</u> F7 5E	<u>44</u> <u>B8</u> <u>26</u>	<u>55</u> 0C 83
	<u>C4</u>	<u>79</u>	<u>10</u>	<u>1D</u>	<u>5D</u>	<u>06</u>	<u>55</u>	<u>8B</u>	<u>2C</u>	<u>10</u>	<u>1D</u>	<u>5D</u>	<u>06</u>	<u>51</u>	<u>CB</u>	<u>F2</u>
	<u>76</u>	DA	<u>1D</u>	<u>66</u>	<u>83</u>	<u>E6</u>	<u>E8</u>	<u>30</u>	<u>9B</u>	<u>0D</u>	<u>9A</u>	<u>D3</u>	DF	<u>F2</u>	<u>32</u>	<u>88</u>
	<u>8E</u>	<u>2E</u>	<u>83</u>	<u>A6</u>	CD	<u>29</u>	<u>E8</u>	ED	<u>06</u>	<u>D1</u>	<u>D1</u>	<u>65</u>	<u>50</u>	<u>75</u>	<u>9A</u>	<u>6C</u>
	<u>B2</u>	<u>40</u>	<u>69</u>	<u>33</u>	<u>88</u>	<u>8E</u>	<u>4E</u>	CF	<u>41</u>	<u>E9</u>	<u>39</u>	<u>28</u>	ED	<u>26</u>	<u>A7</u>	<u>C7</u>
	<u>61</u>	<u>7A</u>	<u>99</u>	<u>0C</u>	<u>12</u>	<u>E7</u>	<u>41</u>	<u>74</u>	74	<u>19</u>	<u>34</u>	<u>66</u>	<u>87</u>	<u>E7</u>	<u>73</u>	<u>90</u>
	<u>0C</u>	<u>F4</u>	<u>36</u>	<u>83</u>	<u>E8</u>	<u>E8</u>	<u>32</u>	<u>68</u>	DA	<u>9C</u>	<u>82</u>	<u>50</u>	<u>D5</u>	<u>69</u>	<u>B2</u>	<u>09</u>
	<u>9A</u>	<u>C3</u>	<u>CB</u>	<u>E3</u>	<u>B4</u>	<u>39</u>	<u>3D</u>	<u>06</u>	<u>4D</u>	<u>9B</u>	<u>D3</u>	<u>94</u>	<u>0B</u>	<u>64</u>	<u>7C</u>	<u>CB</u>
	<u>41</u>	<u>74</u>	<u>74</u>	<u>7A</u>	<u>0E</u>	<u>72</u>	<u>B9</u>	<u>5C</u>								

2) After step b) the memory flag in the  $EF_{SMSS}$  shall be set to full.

## EF<sub>SMSS</sub> (SMS Status)

Logically: Last used TP-MR shall be set to any appropriate value. Memory capacity available (flag set b1="0").

Coding:	B1	B2
Hex	FE	XX