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

Tdoc TP-020215

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	008	-	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

3GPP TSG-T3 Meeting #24
Seattle, USA, 19-22 August 2002

Tdoc ⌘T3-020693

CR-Form-v7

CHANGE REQUEST

⌘ **31.121** **CR** **008** ⌘ **rev** **-** ⌘ Current version: **4.1.0** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ [X] ME [X] Radio Access Network [ ] Core Network [ ]

Title:	⌘	CR 31.121 Rel-4 – Correction of coding of EF ACMMax
Source:	⌘	T3
Work item code:	⌘	TEI
Date:	⌘	21/08/2002
Category:	⌘	**A**
Release:	⌘	Rel-4

Use one 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 TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
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:	⌘	The coding of EF ACMMax is not correct.
Summary of change:	⌘	The coding is corrected.
Consequences if not approved:	⌘	Value of ACMMax won't be reached in this test. Test can't be passed successfully.

Clauses affected:	⌘	6.4.3.4.1			
		Y	**N**		
Other specs affected:	⌘		**N**	Other core specifications	⌘
			N	Test specifications	
			N	O&M Specifications	
Other comments:	⌘				

How to create CRs using this form:
Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm. Below is a brief summary:

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 ftp://ftp.3gpp.org/specs/ 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_{UST} (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_{ACM} (Accumulated call meter)
Logically: 80 units

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

EF_{ACMmax} (Accumulated call meter maximum)
Logically: 94 units

Coding:	B1	B2	B3
binary	~~1111 1111~~00 00 0000	~~1111 1111~~00 00 0000	0101 1110

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".

3GPP TSG-T3 Meeting #24
Seattle, USA, 19-22 August 2002

Tdoc ⌘T3-020694

CR-Form-v7

CHANGE REQUEST

⌘ **31.121** **CR** **009** ⌘ **rev** **-** ⌘ Current version: **3.2.0** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ [X] ME [X] Radio Access Network [ ] Core Network [ ]

Title:	⌘	CR 31.121 Rel99 – Correction of coding of EF ACMMax
Source:	⌘	T3
Work item code:	⌘	TEI
Date:	⌘	21/08/2002
Category:	⌘	F
Release:	⌘	R99

Use one 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 TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
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:	⌘	The coding of EF ACMMax is not correct.
Summary of change:	⌘	The coding is corrected.
Consequences if not approved:	⌘	Value of ACMMax won't be reached in this test. Test can't be passed successfully.

Clauses affected:	⌘	6.4.3.4.1			
		Y	**N**		
Other specs affected:	⌘		**N**	Other core specifications	⌘
			N	Test specifications	
			N	O&M Specifications	
Other comments:	⌘				

How to create CRs using this form:
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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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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_{UST} (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_{ACM} (Accumulated call meter)
Logically: 80 units

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

EF_{ACMmax} (Accumulated call meter maximum)
Logically: 94 units

Coding:	B1	B2	B3
binary	~~1111 1111~~00 00 0000	~~1111 1111~~00 00 0000	0101 1110

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".

3GPP TSG-T3 Meeting #24
Seattle, USA, 19-22 August 2002

Tdoc ⌘T3-020680

CR-Form-v7

CHANGE REQUEST

⌘ **31.121** **CR** **010** ⌘ **rev** **-** ⌘ Current version: **4.1.0** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ [X] ME [X] Radio Access Network [ ] Core Network [ ]

Title:	⌘	CR 31.121 Rel-4 – Correction of number of bytes of EF Keys
Source:	⌘	T3
Work item code:	⌘	TEI
Date:	⌘	21/08/2002
Category:	⌘	**A**
Release:	⌘	Rel-4

Use one 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 TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
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:	⌘	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:	⌘	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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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.

4.1.1.4 EF_{Keys} (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	B33
Hex	0x	xx	xx	...	xx	xx	xx	...	xx	xx	xx	xx

3GPP TSG-T3 Meeting #24
Seattle, USA, 19-22 August 2002

Tdoc ⌘T3-020695

CR-Form-v7

CHANGE REQUEST

⌘ **31.121** **CR** **011** ⌘ **rev** **-** ⌘ Current version: **3.2.0** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ [X] ME [X] Radio Access Network [ ] Core Network [ ]

Title:	⌘	CR 31.121 R99 – Correction of number of bytes of EF Keys
Source:	⌘	T3
Work item code:	⌘	TEI
Date:	⌘	21/08/2002
Category:	⌘	**F**
Release:	⌘	R99

Use one 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 TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
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:	⌘	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:	⌘	4.1.1.4			
		Y	**N**		
Other specs affected:	⌘		**N**	Other core specifications	⌘
			N	Test specifications	
			N	O&M Specifications	
Other comments:	⌘				

How to create CRs using this form:
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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.

4.1.1.4 EF_{Keys} (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	B33
Hex	0x	xx	xx	...	xx	xx	xx	...	xx	xx	xx	xx

3GPP TSG-T3 Meeting #24
Seattle, USA, 19-22 August 2002

Tdoc ⌘T3-020714

CR-Form-v7

CHANGE REQUEST

⌘ **31.121** **CR** **012** ⌘ **rev** **1** ⌘ Current version: **4.1.0** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ [X] ME [X] Radio Access Network [ ] Core Network [ ]

Title:	⌘	CR 31.121 Rel-4 – Defintion of short message
Source:	⌘	T3
Work item code:	⌘	TEI
Date:	⌘	22/08/2002
Category:	⌘	**A**
Release:	⌘	Rel-4

Use one 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 TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
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:	⌘	Definition of comparable short message is missing.
Summary of change:	⌘	A short message is defined.
Consequences if not approved:	⌘	UE might fail the test because of possible inconsitences of the short messages used by USS and USIM simulator.

Clauses affected:	⌘	8.2.1.4.1, 8.2.1.4.2			
		Y	**N**		
Other specs Affected:	⌘		**N**	Other core specifications	⌘
			N	Test specifications	
			N	O&M Specifications	
Other comments:	⌘				

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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 ftp://ftp.3gpp.org/specs/ 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:

EF_{UST} (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:	B1	B2	B3	B4	B5
binary	xx1x xx11	x11x xxxx	xxxx 1x00	Xxxx x1xx	xxxx xxx1

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 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 Record shall be full.
Logically: Status byte set to SMS read.
The text body of the record shall be filled with any appropriate text.

Records

Coding:	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	...	B176
Hex	01	xx	xx	Xx	Xx	xx	Xx	xx	xx	xx	xx	xx	...	xx

Note: "xx" shall be the appropriate text using the SMS default 7-bit coded alphabet as defined in 3G TS 23.038 which represents the received SMS.

EF_{SMSS} (SMS Status)

Logically: Last used TP-MR not defined.
Memory capacity available (flag unset b1="1").

Coding:	B1	B2
Hex	FF	FF

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

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

The USS transmits the short message with the following parameters:

Logically:

TS-Service Centre Address:

Bit 8: 1

Type-Of-Number: International number

Numbering-Plan-Identification: ISDN/telephony numbering plan

Address value: 112233445566

SMS TPDU:

TP-Message-Type-Indicator: SMS-DELIVER (in the direction SC to MS)

TP-More-Messages-to-Send: No more messages are waiting for the MS in this SC

TP-Reply-Path: TP-Reply-Path parameter is not set in this SMS-DELIVER

TP-User-Data-Header-Indicator: The TP-UD field contains only the short message

TP-Status-Report-Indication: A status report shall be returned to the SME

Bits 4-3: 00

TP-Originating-Address:

Bit 8 : 1

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

TP-User-Data:

"Once a SMS is received by the UE, the Terminal shall store the SMS on the USIM, if this is indicated by the class 2 of the SMS (USIM specific SMS). For this ..."

Coding:

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

C3	CB	E3	B4	39	3D	06	4D	9B	D3	94	0B	64	7C	CB	41
74	74	7A	0E	72	B9	5C									

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 1:

~~Coding:~~	~~B1~~	~~B2~~	~~B3~~	~~B4~~	~~B5~~	~~B6~~	~~B7~~	~~B8~~	~~B9~~	~~B10~~	~~B11~~	~~B12~~	~~...~~	~~B176~~
~~Hex~~	~~03~~	~~xx~~	~~Xx~~	~~xx~~	~~Xx~~	~~xx~~	~~xx~~	~~xx~~	~~xx~~	~~xx~~	~~xx~~	~~xx~~	~~...~~	~~xx~~

~~Note: "xx" shall be the appropriate text using the SMS default 7-bit coded alphabet as defined in 3G TS 23.038 which represents the received SMS.~~

Logically:

Status:
RFU bits 8-6: 000
Status: Used space, message received by MS from network, message to be read

TS-Service Centre Address:

Bit 8: 1

Type-Of-Number: International number

Numbering-Plan-Identification: ISDN/telephony numbering plan

Address value: 112233445566

SMS TPDU:

TP-Message-Type-Indicator: SMS-DELIVER (in the direction SC to MS)

TP-More-Messages-to-Send: No more messages are waiting for the MS in this SC

TP-Reply-Path: TP-Reply-Path parameter is not set in this SMS-DELIVER

TP-User-Data-Header-Indicator: The TP-UD field contains only the short message

TP-Status-Report-Indication: A status report shall be returned to the SME

Bits 4-3: 00

TP-Originating-Address:

Bit 8 : 1

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

TP-User-Data:

"Once a SMS is received by the UE, the Terminal shall store the SMS on the USIM, if this is indicated by the class 2 of the SMS (USIM specific SMS). For this ..."

Coding:

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

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

EF_{SMSS} (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

3GPP TSG-T3 Meeting #24
Seattle, USA, 19-22 August 2002

Tdoc ⌘T3-020715

CR-Form-v7

CHANGE REQUEST

⌘ **31.121** **CR** **013** ⌘ **rev** **1** ⌘ Current version: **3.2.0** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ [X] ME [X] Radio Access Network [ ] Core Network [ ]

Title:	⌘	CR 31.121 R99 – Defintion of short message
Source:	⌘	T3
Work item code:	⌘	TEI
Date:	⌘	22/08/2002
Category:	⌘	**F**
Release:	⌘	R99

Use one 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 TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
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:	⌘	Definition of comparable short message is missing.
Summary of change:	⌘	A short message is defined.
Consequences if not approved:	⌘	UE might fail the test because of possible inconsitences of the short messages used by USS and USIM simulator.

Clauses affected:	⌘	8.2.1.4.1, 8.2.1.4.2			
		Y	**N**		
Other specs Affected:	⌘		**N**	Other core specifications	⌘
			N	Test specifications	
			N	O&M Specifications	
Other comments:	⌘				

How to create CRs using this form:
Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm. Below is a brief summary:

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 ftp://ftp.3gpp.org/specs/ 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:

EF_{UST} (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:	B1	B2	B3	B4	B5
binary	xx1x xx11	x11x xxxx	xxxx 1x00	Xxxx x1xx	xxxx xxx1

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 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 Record shall be full.
Logically: Status byte set to SMS read.
The text body of the record shall be filled with any appropriate text.

Records

Coding:	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	...	B176
Hex	01	xx	xx	Xx	Xx	xx	Xx	xx	xx	xx	xx	xx	...	xx

Note: "xx" shall be the appropriate text using the SMS default 7-bit coded alphabet as defined in 3G TS 23.038 which represents the received SMS.

EF_{SMSS} (SMS Status)

Logically: Last used TP-MR not defined.
Memory capacity available (flag unset b1="1").

Coding:	B1	B2
Hex	FF	FF

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

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

The USS transmits the short message with the following parameters:

Logically:

TS-Service Centre Address:

Bit 8: 1

Type-Of-Number: International number

Numbering-Plan-Identification: ISDN/telephony numbering plan

Address value: 112233445566

SMS TPDU:

TP-Message-Type-Indicator: SMS-DELIVER (in the direction SC to MS)

TP-More-Messages-to-Send: No more messages are waiting for the MS in this SC

TP-Reply-Path: TP-Reply-Path parameter is not set in this SMS-DELIVER

TP-User-Data-Header-Indicator: The TP-UD field contains only the short message

TP-Status-Report-Indication: A status report shall be returned to the SME

Bits 4-3: 00

TP-Originating-Address:

Bit 8 : 1

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

TP-User-Data:

"Once a SMS is received by the UE, the Terminal shall store the SMS on the USIM, if this is indicated by the class 2 of the SMS (USIM specific SMS). For this ..."

Coding:

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

C3	CB	E3	B4	39	3D	06	4D	9B	D3	94	0B	64	7C	CB	41
74	74	7A	0E	72	B9	5C									

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 1:

~~Coding:~~	~~B1~~	~~B2~~	~~B3~~	~~B4~~	~~B5~~	~~B6~~	~~B7~~	~~B8~~	~~B9~~	~~B10~~	~~B11~~	~~B12~~	~~...~~	~~B176~~
~~Hex~~	~~03~~	~~xx~~	~~xx~~	~~xx~~	~~Xx~~	~~xx~~	~~xx~~	~~xx~~	~~xx~~	~~xx~~	~~xx~~	~~xx~~	~~...~~	~~xx~~

~~Note: "xx" shall be the appropriate text using the SMS default 7 bit coded alphabet as defined in 3G TS 23.038 which represents the received SMS.~~

Logically:

Status:
RFU bits 8-6: 000
Status: Used space, message received by MS from network, message to be read

TS-Service Centre Address:

Bit 8: 1

Type-Of-Number: International number

Numbering-Plan-Identification: ISDN/telephony numbering plan

Address value: 112233445566

SMS TPDU:

TP-Message-Type-Indicator: SMS-DELIVER (in the direction SC to MS)

TP-More-Messages-to-Send: No more messages are waiting for the MS in this SC

TP-Reply-Path: TP-Reply-Path parameter is not set in this SMS-DELIVER

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Type-Of-Number: International number

Numbering-Plan-Identification: ISDN/telephony numbering plan

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Coding:

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

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

EF_{SMSS} (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